

# MINERAL SOLUTIONS

**knauf**CEILING  
*Solutions*





# Experience More Innovation

## WITH FUNCTIONAL, NATURAL AND SUSTAINABLE MINERAL SOLUTIONS

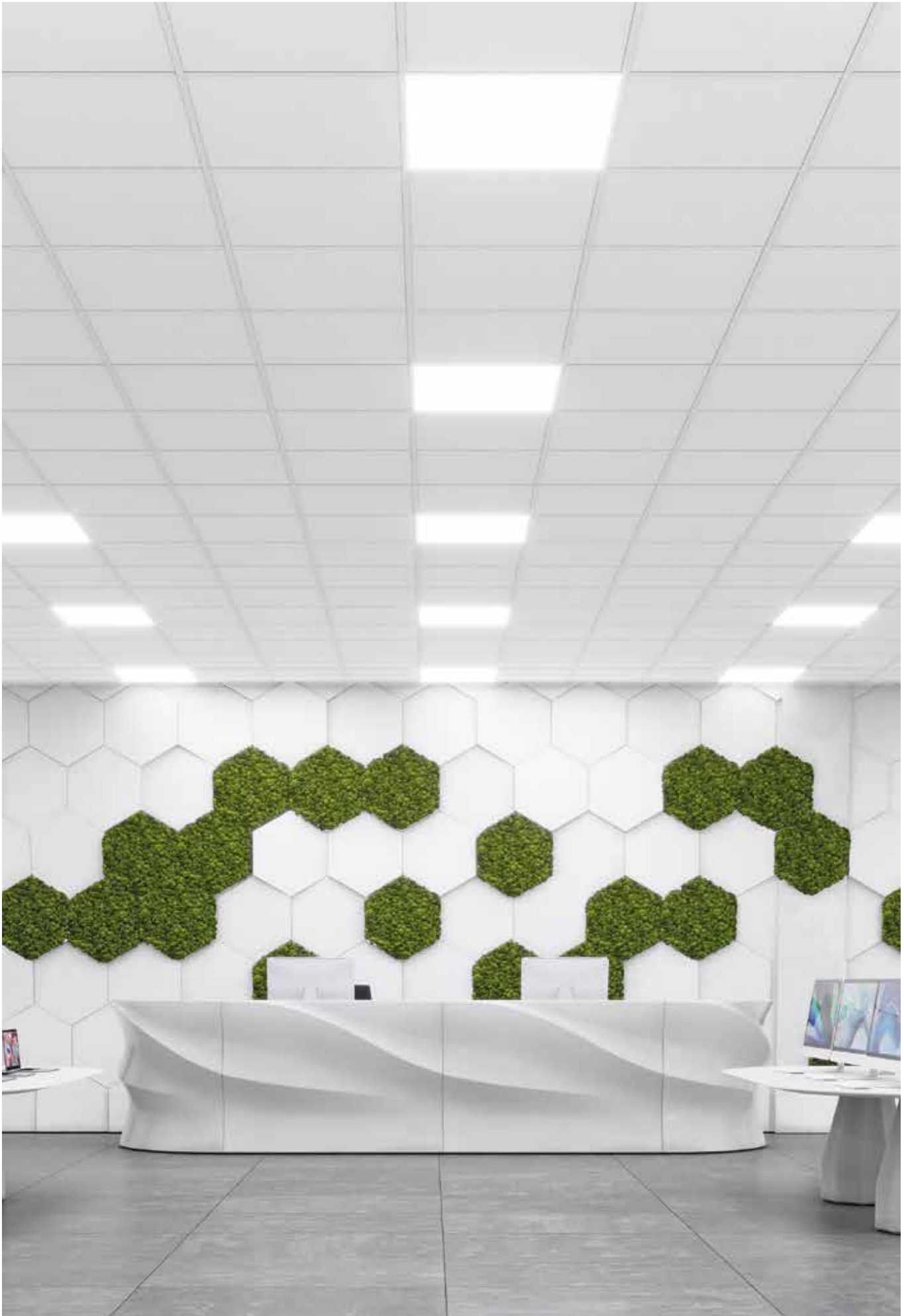
We believe that the ceiling is an integral part of every interior space. It helps give us a wonderful sense of well-being and safety. A seamless connection between form and function, it enhances and protects the spaces in which we live, work, recover and grow. It balances acoustics, provides healthy air to breathe and influences how we think and feel.

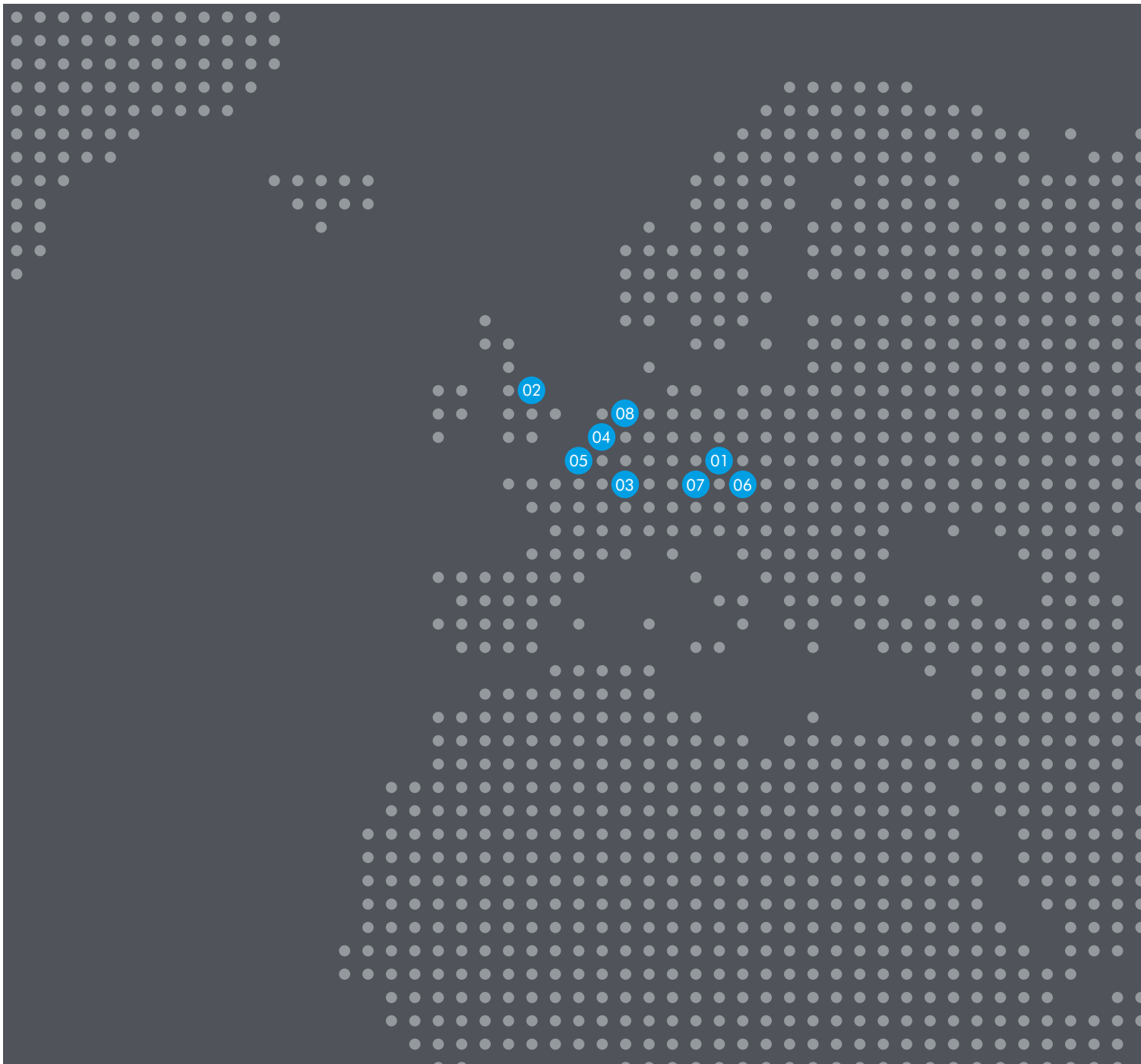
Ultimately, it is our customers who create the perfect space using our solutions. To help them realise more exciting visions, two of the world's most recognised ceiling manufacturers, Armstrong Ceiling Solutions and Knauf AMF have combined strengths to offer the best of both in one market-leading brand – Knauf Ceiling Solutions.

Spectacular projects can only become reality if the possibilities between functionality and design live in harmony. Our new harmonised Mineral Solutions range enables customers endless varieties of sizes, shapes and edge designs in all system layouts.

The high-quality mineral tiles are produced in a wet-felt tile process that uses natural, sustainable raw materials, including biosoluble mineral wool, perlite, clay and starch.

By embodying the best of both worlds and building on our long-standing experience, Knauf Ceiling Solutions is setting the standard for safety, comfort, efficiency and performance. With a boundless multi-material approach that enables you to experience more choice, more inspiration and more support, to help find the unique solution you're looking for.





# Production Network

## EXPERIENCE OUR LARGE AND COMPREHENSIVE NETWORK

Through the local presence of thirteen state-of-the-art production facilities in eight countries across Europe and Asia, we are able to deliver high-quality ceiling solutions on time. In order to provide our customers consistent and reliable supply processes, we rely on our proven production values that meet the highest standards worldwide in quality, environment and safety.





09

10

11



## EMEA

- 01 Grafenau (DE)**  
Mineral & Grid
- 02 Stafford (UK)**  
Metal
- 03 Pontarlier (FR)**  
Mineral
- 04 Valenciennes (FR)**  
Grid
- 05 Dreux (FR)**  
Grid

- 06 Ferndorf (AT)**  
Wood Wool
- 07 Rankweil (AT)**  
Metal
- 08 Antwerp (BE)**  
Slitting



## APAC

- 09 Wujiang (CN)**  
Mineral
- 10 Shanghai (CN)**  
Grid
- 11 Pune (IN)**  
Grid

# DEFINITION OF TECHNICAL PERFORMANCE ICONS



## SOUND ABSORPTION

A single-number rating for random incidence sound absorption coefficients as calculated by reference to EN ISO 11654 ( $\alpha_w$ ) or to ASTM C 423 (NRC).



## SOUND ABSORPTION CLASS

A classification for sound absorption (A – E) based upon the sound absorption  $\alpha_w$  value.



## SOUND REDUCTION

A single-number rating for airborne sound transmission (single pass) as calculated by reference to EN ISO 717-1.



## SOUND ATTENUATION

A single-number rating for flanking sound transmission between adjacent rooms, as calculated by reference to EN ISO 717-1 ( $D_{nfw}$ ) and/or ASTM E413-10 (CAC).



## FIRE REACTION

Reaction to fire classification in accordance with EN 13501-1 expressed as Euroclass (A1 – F). Additionally in accordance with ASTM E84, expressed as Class A and 123-FZ, expressed as KM0 – KM2.



## HUMIDITY RESISTANCE

Maximum relative humidity conditions for installation and lifetime of ceiling.



## LIGHT REFLECTANCE

Light reflection is the proportion of incident light that is reflected back off the product, when tested in accordance with EN ISO 7724-2 and 3.



## LIGHT DIFFUSION

The percentage of reflected light which is diffused.



## INDOOR AIR QUALITY

The Eurofins Indoor Air Comfort (Gold) certification ensures that all product-related health criteria on product emissions are sufficiently fulfilled. It is a sign confirming the quality claim of the manufacturer and its contribution to a healthy indoor climate. Mainly VOCs emissions can pose a serious risk, especially to children. Limiting VOC from indoor building products is the subject of many national regulations and voluntary quality labels. A lot of these regulations are covered by IAC(G).



## AIR PERMEABILITY

Tested in accordance with DIN 18177, the air permeability rating indicates the cubic metres of air leakage per hour per square metre.



## RECYCLED CONTENT

The recycled content of the product, as calculated in accordance with ISO 14021:2016.



## CERTIFIED CRADLE TO CRADLE

Products with this icon are C2C certified, providing a transparent mechanism to compare the sustainability performance of products, showing that they are designed for recycling and can help protect and sustain our environment for future generations by keeping resources in the economy for longer.



## ENVIRONMENTAL PRODUCT DECLARATION (EPD)

are independently verified and registered documents that communicate transparent and comparable information about the life-cycle environmental impact of products. Knauf Ceiling Solutions EPDs have been third party certified by IBU (Institut Bauen und Umwelt e.V. (IBU) as conforming to the requirements of ISO 14025.



## M1 CLASSIFICATION

The Finnish emission label for building products is one of the leading test labels in the Scandinavian region. M1 is the best category and stands for "low emission". The M1 classification sets requirements for the emission of VOC, formaldehyde, ammonia and other substances.



## VOC

The VOC emission performance in accordance with the French labelling requirements.



## FORMALDEHYDE (E1)

Formaldehyde emission level (E1 = lowest test result possible).



## BLUE ANGEL

The Blue Angel ecolabel is awarded by an independent Jury to environmentally friendly products. Each label specifies that the product meets a list of criteria considering environmental and health-related aspects.

[www.blauer-engel.de/uz132](http://www.blauer-engel.de/uz132)



## ISO 9001

This icon demonstrates Knauf Ceiling Solutions ability to consistently provide products and services that meet customer and regulatory quality management system requirements.



## THERMAL CONDUCTIVITY

Tested in accordance with EN 12667, the thermal conductivity rating measures the rate of heat flow through a material.



## EDGE DETAILS

Indicates the different edge details available for the ceiling tile of reference.



## THICKNESS

Indicates the thickness for the ceiling tile of reference.



## DIMENSIONS

Indicates the sizes available for the ceiling tile of reference.



## SYSTEMS

Indicates the suspension systems compatible with the ceiling tile of reference.



## WEIGHT

Weight per unit area of the product (kg/m²).



## COLOURS

Custom colours available for products with this icon.



## ANTIMICROBIAL

Antimicrobial finish on standard mineral tiles and available as a custom option on metal products with this icon.



## SCRATCH RESISTANCE

Products with this icon offer a superior level of surface scratch resistance, evaluated with the Hess Rake test.



## PRODUCT HANDLING & DURABILITY

Solutions with enhanced durability for improved handling and resistance to damage.

## CLEANING AND DISINFECTION

The frequency and cleaning method of a ceiling varies from one application to another. All products can at least be cleaned with a dry cloth or vacuum cleaner.



For standard cleaning of dust, loose dirt or deposits, a soft brush, a clean, dry, soft white cloth, a normal vacuum cleaner with a soft brush or focus compressed air can be used.



For more intensive cleaning, the surfaces can be damp cleaned. This should be carried out with a wrung-out soft cloth or sponge. After cleaning, the surfaces of the tile should be dried with a soft cloth.



Wet cleaning should be carried out with lukewarm water (up to 40°C), using a sponge and mild cleaning agent (with a pH value between 7 and 9), and using medium pressure. After cleaning, the surface should be dried with a soft cloth.



Can be cleaned using a high pressure water spray. After cleaning, the surface should be dried.



Can be cleaned using focus compressed air. The apparatus used should be a cleaner that generates steam under pressure (8 bar and 175°C).



Can be cleaned with specific disinfectants commonly used in healthcare premises. Disinfectants should be used as a spray on wipes.

## CE MARKING

In Europe, the Construction Products Regulations (305/2011/EU) defines essential requirements for products (and projects) such that they are safe and fit for their intended use. Harmonized Product Standards respond to these essential requirements and set out what tests must be conducted and how the performance must be communicated. For suspended ceilings the applicable product standard is EN 13964 Suspended Ceilings – Requirements & Test Methods.

The essential requirements identified for suspended ceiling membranes (tiles & baffles) include:

- Reaction to Fire (mandatory)
- Formaldehyde Emissions (mandatory)
- Sound Absorption
- Flexural Tensile Strength / Durability
- Thermal conductivity

It is mandatory to CE Mark products within the scope of EN 13964 and provide a Declaration of Performance in order to place the product on the market.

All Knauf Ceiling Solutions Declarations of Performance can be found on Knauf Ceiling Solutions website.

# ACOUSTIC TECHNICAL GLOSSARY

## WEIGHTED SOUND ABSORPTION COEFFICIENT, $\alpha_w$

A single-number rating for random incidence sound absorption coefficients calculated by reference to EN ISO 11654. With this method measured values obtained in accordance with EN ISO 354, are converted into octave bands at 250, 500, 1000, 2000 and 4000 Hz and are plotted onto a graph. A standard reference curve is then shifted towards the measured values in steps of 0.05 until a "best fit" is obtained. The derived value of  $\alpha_w$  will vary between 0.00 and 1.00 but is only expressed in multiples of 0.05, e.g.  $\alpha_w = 0.65$ .

## SHAPE INDICATOR

With reference to EN ISO 11654, the calculated value of  $w$  may be qualified by one or max. two (in brackets) to indicate if the product has excess sound absorption at low (L), medium (M) or high (H) frequencies.

## SOUND ABSORPTION CLASS

With reference to EN ISO 11654, the calculated value of  $w$  may additionally be allocated into one of six descriptive classes in accordance with the following table:

| Sound Absorption Class | $\alpha_w$                            |
|------------------------|---------------------------------------|
| A                      | 0.90; 0.95; 1.00                      |
| B                      | 0.80; 0.85                            |
| C                      | 0.60; 0.65; 0.70; 0.75                |
| D                      | 0.30; 0.35; 0.40; 0.45;<br>0.50; 0.55 |
| E                      | 0.15; 0.20; 0.25                      |
| Not Classified         | 0.00; 0.05; 0.10                      |

## WEIGHTED SUSPENDED CEILING NORMALISED LEVEL DIFFERENCE, $D_{ncw}$

A single-number rating of the laboratory measurement of room-to-room (horizontal) airborne sound insulation of a suspended ceiling above adjacent rooms sharing a common ceiling plenum. It is determined in accordance with EN ISO 717-1 from measurements made in accordance with EN 20140-9. Note: EN 20149-9 has now been withdrawn and superseded by EN ISO 10848-2 (see  $D_{nfw}$ ), although  $D_{ncw}$  test results still continue to be valid.

## WEIGHTED SUSPENDED CEILING NORMALISED FLANKING LEVEL DIFFERENCE, $D_{nfw}$

A single-number rating of the laboratory measurement of room-to-room (horizontal) airborne flanking sound transmission of a suspended ceiling above adjacent rooms sharing a common ceiling plenum. It is determined in accordance with EN ISO 717-1 from measurements made in accordance with EN ISO 10848-2. This has now superseded EN 20149- 9. (see  $D_{ncw}$ ).

## WEIGHTED SOUND REDUCTION INDEX, $R_w$

A single-number rating of the laboratory measurement of (vertical) airborne sound reduction of a suspended ceiling. It is determined by reference to EN ISO 717-1 from measurements of sound reduction index made in accordance with EN ISO 140-3.

## **RAIN NOISE SOUND INTENSITY LEVEL, $L_i$**

The laboratory measurement of the sound intensity in a room below a roof construction when subjected to rainfall. It is determined by reference to EN ISO 140-18:2006 – Laboratory measurement of sound generated by rainfall on building elements. The roof's performance can be tested with or without a suspended ceiling beneath. The intensity of the rainfall tested can be selected from the options given in the standard. A combined A-weighted single-number (LIA) can also be determined. Unlike  $D_{nfw}$  and  $R_w$  data, where the higher the value the better the insulation provided, the lower the intensity value (weighted LIA) the better the insulation performance of the ceiling and roof combination.

## **EQUIVALENT ABSORPTION AREA (EAA)**

The equivalent absorption is a measure of the total sound absorption by discrete objects (canopies, screens, furniture etc) when installed in an architectural space. Because these types of absorbers have more than one surface and may be irregular in form, it is not meaningful to assign sound absorption coefficients to them. Hence the Equivalent Absorption Area per unit (measured in Sabines) is preferred to characterise the absorption provided by an individual 'space absorber'.

## **SOUND REDUCTION**

A term used in relation to the vertical transmission of sound through a suspended ceiling.

## **SOUND ATTENUATION**

A term used in relation to the horizontal transmission of sound through a suspended ceiling above adjacent rooms sharing a common ceiling plenum.

## **NOISE REDUCTION COEFFICIENT, NRC**

A single-number descriptor of random incidence sound absorption coefficients. Defined in ASTM C423 as the arithmetical average, to the nearest multiple of 0.05, of the measured sound absorption coefficients for the four one-third octave band centre frequencies of 250, 500, 1,000 and 2,000 Hz.

# ACOUSTICAL SOLUTIONS FOR EVERY SPACE

## Meet all expectations of acoustical comfort with Knauf Ceiling Solutions

Knauf Ceiling Solutions provide three densities of ceiling tiles to achieve high absorption, high attenuation or a good balance between the two of to meet all requirements in every space.

### BALANCED ACOUSTICS

Standard range provides a unique combination of good sound absorption and sound attenuation that enhance intelligibility for workplace effectiveness.

Speech intelligibility addresses the need for comprehension of verbal communication whether naturally spoken or broadcast by an amplified system, within a given space.

Intelligibility can be expressed as the difference in decibels between the level of speech and the background noise (signal to noise ratio) as heard at the listener's position.

To ensure excellent intelligibility, this difference at the listeners position is recommended to be 10-15 dB minimum for people with good hearing and 20-30 dB for hearing impairing of users of headsets.

### HIGH ATTENUATION

Our dB range offers excellent sound attenuation and good sound absorption that enhances privacy and confidentiality.

Speech privacy is a measure for defining the degree to which conversation cannot be overheard.

For good privacy between adjacent spaces, it's necessary to focus on room-to-room sound attenuation and the background noise level.

### HIGH ABSORPTION

Products with high absorption levels are recommended when concentration is needed. They dramatically improve the acoustic comfort in open spaces, call centres, etc.

Concentration can be disturbed by different types of noise, such as other peoples' voices, phones ringing, ventilation, keyboard, equipment, impacts, road and air traffic...

Intrusive noise will disturb concentration and therefore needs to be considered as another key factor in the design of the acoustical environment.



## STRUCTURAL FIRE PROTECTION

Throughout Europe, there is a requirement for a building's structure to be protected from fire. This is primarily for the structure to remain stable during a fire to allow the occupants to escape and also to enable fire fighters to work without threat of the building's collapse. The duration of the required protection will usually depend upon the height of, and location within, the building (i.e. typical floor, basement, roof construction etc), whether there is any active methods of fire protection (sprinklers etc.) and the type of construction to be protected (steel beams, timber or mezzanine floors etc). In the case of structural fire protection, the suspended ceiling is classified together with the soffit and the complete construction.

Knauf Ceiling Solutions ceilings achieve building component classifications of REI30 to REI120, depending on the type of soffit. Regular fire testing is carried out to ensure the highest up to date system quality and built in safety for our customers.

## INDEPENDENT FIRE RESISTANCE

Independent fire rated ceilings provide fire protection both from above (ceiling void) as well as from the underside of the ceiling. Fittings, such as lighting, loudspeakers and signage etc. as well as the connection to light-weight partition systems, bulkheads etc. are tested and classified as well.

In case of a fire in the ceiling void (incidentally, the most common fire source) the underlying escape routes are protected by AMF THERMATEx® Uno fire rated ceiling for 30 minutes.

*Fire resistant certificates such as the German abP- certificates are available on request.*

## BUILDING REGULATIONS

Fire reaction performance for suspended ceilings is shown using the Euroclass fire reaction classification. Most Knauf Ceiling Solutions products are reaching A2-s1,d0 acc. to EN 13501-1.

*For more information, please contact us or visit [www.knaufceilingsolutions.com](http://www.knaufceilingsolutions.com)*

# HEALTHY INTERIORS

## CHALLENGE

The World Health Organization reports that 30% of new and renovated buildings receive excessive complaints related to indoor air quality.

In addition, poor air quality, and elevated temperatures consistently lowered employee performance by up to 10%.

## SOLUTION

Knauf Ceiling Solutions:

- achieve low or very low VOC and formaldehyde emission levels.
- have all been classified E1 for formaldehyde (best test result possible).
- for a large majority, achieve A+ (the best performance level under the stringent French VOC labelling system).

### **In certain indoor spaces such as laboratories**

It is essential to limit the number of airborne particles by creating a Clean Room-type environment using products certified in accordance with ISO 14644-1.

Knauf Ceiling Solutions offers solutions for areas requiring minimal to the most stringent requirements.



Achieving the right acoustics for specific rooms is recognised in LEED®, BREEAM, HQE, DGNB, WELL Building Standard.

## CHALLENGE

The light reflectance of the ceiling, floor and wall surfaces play the second most important role for overall illumination of the room, directly affecting working comfort, wellbeing and productivity.

## SOLUTION

Specifying high light reflectance ceilings contribute to LEED®, BREEAM, HQE, DGNB and Well Building Standard credits.

A well-design ceiling with high light reflectance:

- Improves space illumination, allowing for fewer light fixtures
- Reduces electrical light output and lowers maintenance costs
- Reduces cooling load

High light reflectance ceilings up to 87% of the light back into the space.

Rafts and canopy ceilings installed over a working place improve the light reflection for better comfort for the end-user.



## Cradle to Cradle Certified®

The Cradle to Cradle Certified® product programme has been developed to meet growing customer demand for sustainable products, with C2C certification already becoming a requirement for building projects in the United States and Europe. It adds value to a project and helps protect and sustain our environment for future generations by keeping resources in the economy for longer. Cradle to Cradle Certified® products are recognised in LEED® and WELL Building Standard credits.



## WORKPLACES THAT WORK BETTER

**Over our lifetimes, the average person spends around 90,000 hours in the workplace. It's our responsibility to make these spaces better for everyone.**

This isn't just about happiness — even if happier workers are better workers. It's about wellbeing in the workplace. Wellbeing boosts productivity. It improves performance, reduces stress and contributes to a work-life balance that brings out the best in people. And one of the ways we can promote wellbeing in the workplace is through design.

By considering aesthetics, light, shade and zoning, intelligent design can transform even the most uniform open-plan office into a vibrant, dynamic space that balances contemporary architecture and statement design with visual, and acoustic comfort that measurably enhances wellbeing and happiness, productivity and performance.

Even beyond these considerations, the principles we use in enabling great office design can create more functionally effective spaces for working. Spaces for close collaboration and quiet concentration; spaces that keep conversations private, or open the floor to discussion and debate — and spaces that aid focus while inspiring workers and visitors alike. This is our task, our responsibility and our opportunity, together, to create workspaces that work better.





## CREATE SPACES TO INSPIRE

**Having an education that will last a lifetime is down to outstanding, inspirational teachers that deliver learning with knowledge and passion — but these tutors need the right spaces in which to do this.**

Schools, colleges and universities are complex ecosystems, and the buildings that house them need to take this into account. They encompass everything from focussed classrooms, quiet study areas to sweeping auditoria and lecture theatres, sound studios and common rooms. Each space has its own requirements and intricacies — but all need to optimise the learning experience.

So, what does this take? It takes careful consideration of architectural zoning, and how each space works individually and as part of the ecosystem. It takes a balance of acoustic performance and visual comfort — where tutors can be heard clearly at the back of the class, and where students can concentrate on their work.

Above all, however, it takes an awareness, sensitivity and commitment to creating a safe, healthy and peaceful environment for education to thrive, and a dedication to creating spaces as inspiring as the teaching within them.





## SHAPING THE RETAIL EXPERIENCE

**The path to purchase is never straightforward. There's a world of factors along the way that can sway a decision. And a major one of these is the retail environment — and the experience it creates.**

Whether it's a supermarket or convenience store, shopping mall or showroom, food court or fashion boutique, the design of a retail space is integral to the shopper experience — and we should treat this experience like any other we'd desire to have. It should be comfortable and easily navigable, but it should also surprise, excite, entertain and entice.

The materials, technologies and techniques we use to create our retail environments are vital for making this happen. Visually arresting design features; playful manipulation of light and shade, colour and shape; bright, open and airy room plans; intuitive pathways, and acoustically comfortable, unintimidating spaces to encourage customer interaction and streamline the sales process. All of these play their part in a positive shopper experience.

By blending functionality with flair, great design doesn't just breathe fresh life into brands in the real world — it shapes a retail experience that people will enjoy, share and remember.





## MAKE YOURSELF AT HOME

**Rest and relaxation is crucial for everyone's way of life — especially as everyone's way of life is different. But whatever people get up to in their downtime, their leisure spaces should be as enriching as their pastimes.**

Sometimes, it's all about high-tempo sports or hitting the gym. Other times, it's dining out, heading away for a hotel stay, or simply taking in a film at the cinema. There's a huge variety of spaces in which we spend our free time, but all of them share one requirement for design and architecture: creating the right atmosphere to enhance quality of life.

This might take the form of maintaining the right acoustical balance to focus viewers on the movie. It might be flooding fitness studios with light while keeping an effective thermal performance and maximising humidity resistance. Or, it might be designing a hotel as part of a multi-use building in which statement design atria and lobbies give way to cosy, comfortable guest rooms.

For every architectural challenge in leisure and hospitality spaces, there's an idea to help you achieve it — a solution to make your work easier and more effective. Because, let's face it, everyone deserves a little relaxation.





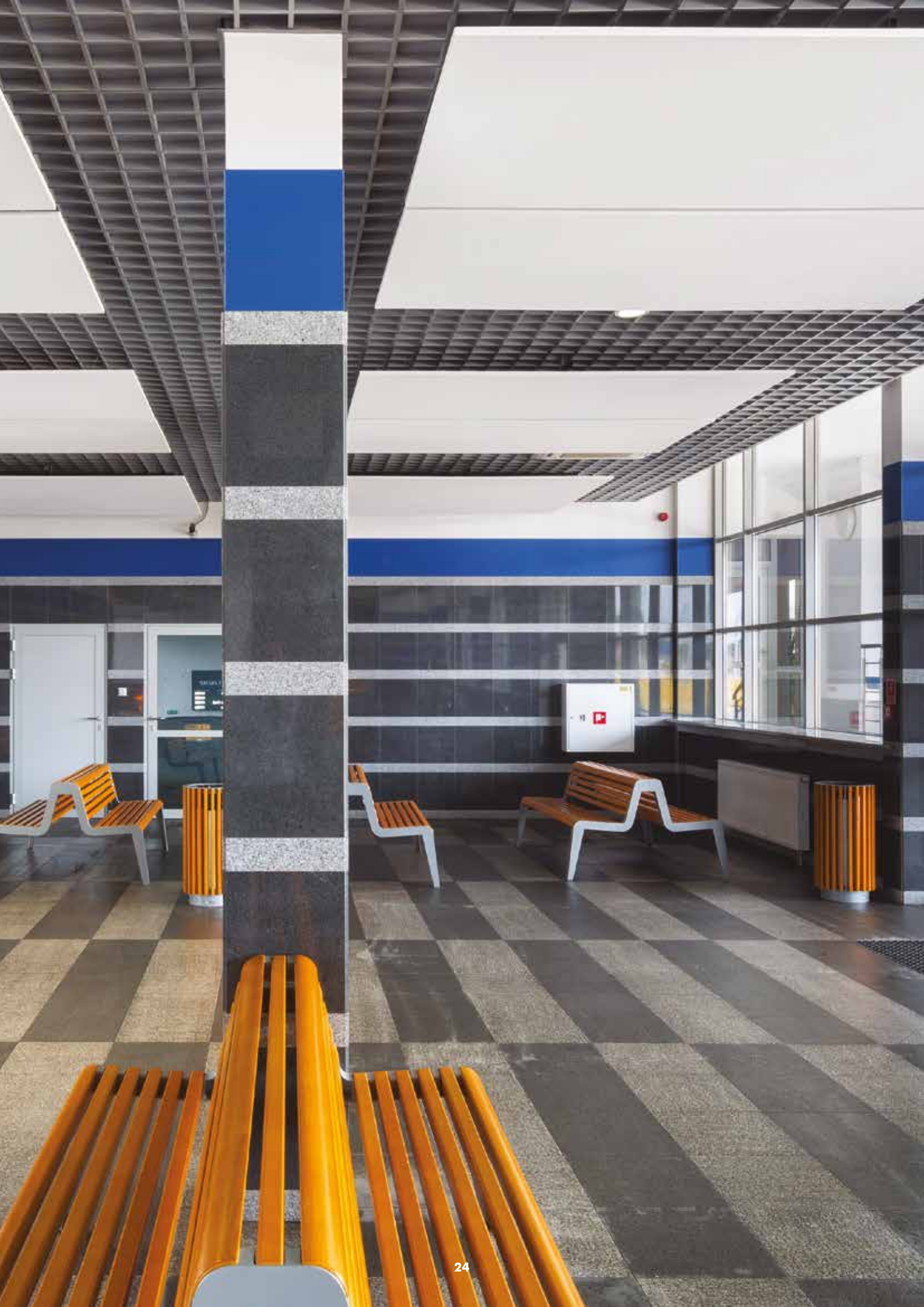
## CREATING SPACES FOR HEALING

**Healthcare places huge demands on architecture — no matter if it's a waiting room in a local surgery or the intense environment of the operating theatre. In every space, there's a host of considerations critical to lives.**

The most vital element is, of course, creating a space that's conducive to healthcare — hygienically clean, performing at the anti-microbial level, using materials and technologies that enhance indoor air quality and minimise emissions, and safeguarding patients and caregivers alike through robust fire protection.

Going beyond this, it's our responsibility to design environments that actively aid the healing process. Given the proven importance of natural light to wellbeing, it's imperative that our healthcare spaces are bright and open, with high levels of light reflectance that makes the most of window space. Acoustically, too, these spaces need to absorb and attenuate noise, providing the peace, quiet and tranquillity for people to rest and recover

Ultimately, healthcare environments need to be perfectly attuned to their purpose, functionally and aesthetically. Clean and simple, bright and welcoming, calm and comfortable. Everything it takes for doctors to perform and patients to recover — and all the ingredients to create the perfect spaces for healing.





## ARCHITECTURE THAT MOVES PEOPLE

**Our world is always in motion  
— billions of people travelling from  
city to city, continent to continent.  
And the buildings in which they  
arrive and depart need to play their  
part in making every journey better.**

From airport departure lounges to train station concourses, from the food court through to the platform, the architecture of transportation is a journey. Ceilings, walls and floors are travellers' companions; the first and last things they'll see in any location, the backdrops to meetings and partings — and a crucial part of people's journeys.

So, we should approach these buildings rationally and emotionally. They need to be functional, to guide travellers to gates, lounges and platforms. They need to be clean, maintainable and durable to cope with the footfall of millions every day. But they also need to be calming and welcoming; tranquil, peaceful places that encourage exploration.

To this end, we need to transform the dark tunnels and cavernous lobbies that once characterised transport hubs into bright, open and desirable spaces, concealing the noise and passage of crowds to make people feel comfortable. And all of this while using design to make an impression – to create spaces that move people, physically and emotionally.

# OVERVIEW

## DESIGN

|                            |    |                                 |    |
|----------------------------|----|---------------------------------|----|
| MINERAL Baffle Element     | 30 | MINERAL Wallcoustic Element     | 42 |
| MINERAL Baffle Element Arc | 32 | MINERAL Wallcoustic Line        | 44 |
| MINERAL Baffle Line L / N  | 34 | FABRIC Wallcoustic Line         | 46 |
| MINERAL Sonic Element      | 36 | AMF THERMATEX® Alpha Colour     | 48 |
| MINERAL Sonic Line Arc     | 38 | Focus: AMF THERMATEX® Varioline | 50 |
| MINERAL Sonic Line         | 40 |                                 |    |

## SMOOTH WHITE ACOUSTIC

|                              |    |                          |    |
|------------------------------|----|--------------------------|----|
| AMF THERMATEX® Acoustic      | 54 | Armstrong PERLA OP 19mm  | 72 |
| AMF THERMATEX® dB Acoustic   | 56 | Armstrong PERLA OP 1.00  | 74 |
| AMF THERMATEX® Alpha HD 19mm | 58 | Antaris                  | 76 |
| AMF THERMATEX® Alpha HD 30mm | 60 | AMF THERMATEX® Antaris C | 78 |
| AMF THERMATEX® Alpha HD 35mm | 62 | AMF THERMATEX® Thermofon | 80 |
| AMF THERMATEX® Alpha One     | 64 | AMF TOPIQ® Prime         | 82 |
| Armstrong PERLA              | 66 | AMF TOPIQ® Efficient Pro | 84 |
| Armstrong PERLA dB           | 68 |                          |    |
| Armstrong PERLA OP 0.95      | 70 |                          |    |

## HEALTHCARE & HYGIENE

|                                |    |                                 |     |
|--------------------------------|----|---------------------------------|-----|
| Armstrong BIOGUARD Acoustic OP | 88 | AMF THERMATEX® Aquatec Hygena   | 98  |
| Armstrong BIOGUARD Acoustic    | 90 | AMF THERMATEX® Thermaclean      | 100 |
| Armstrong BIOGUARD Plain 15mm  | 92 | AMF TOPIQ® Prime Hygena         | 102 |
| Armstrong SANIGUARD            | 94 | AMF TOPIQ® Efficient Pro Hygena | 104 |
| AMF THERMATEX® Aquatec         | 96 | Armstrong NEWTONE               | 106 |

## CLASSIC PLAIN

PLAIN

110

## CLASSIC SANDED

Armstrong SAHARA

114

AMF THERMATEX® Feinstratos

116

## CLASSIC FISSURED/PERFORATED

Star 15mm

120

AMF THERMATEX® Feinfresko

122

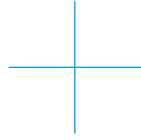
## FIRE PROTECTION

AMF THERMATEX® Uno

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# Design



IN A WORLD WHERE IMAGE IS EVERYTHING,  
OUR FLEXIBLE CEILING SOLUTIONS INSPIRE  
YOU TO CREATE STUNNING AESTHETICS  
AND INTIMATE SPACES.

An endless array of dramatic design possibilities with baffles, canopies, wall absorbers and accessories that can be easily installed and relocated without further modification. Exposed surfaces that absorb sound to enhance acoustics, while reflecting up to 87% of light to make brighter, energy efficient spaces. And seamless, monolithic floating ceilings that add colour, shape, depth, scale and rhythm to contemporary building design.







Vertical Baffle Systems

## MINERAL Baffle Element

Individual / Grouped



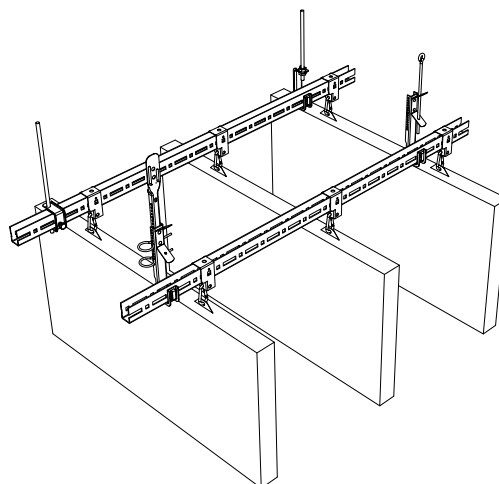
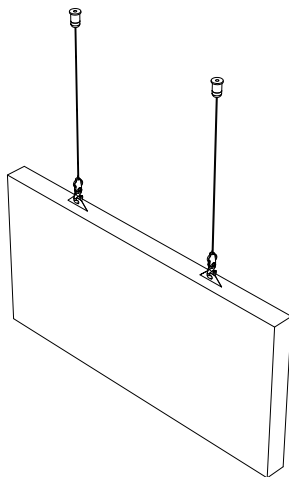
- MINERAL Baffle Element is a range of high performance acoustical baffles with a white laminate surface for a modern linear appearance.
- Good sound absorption: reduce noise levels, increase intelligibility and reduce reverberation time in a space
- Typically used to provide high levels of acoustic absorption in offices, leisure centres, transport hubs, etc



**MINERAL Baffle Element**

Individual / Grouped

|                                            |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
|--------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------|------|--|--|------------------|-----|-----|-----|------|------|------|----------------------|--|--|--|--|--|--|--------------------------------|------|------|------|------|------|------|
| Thickness (mm)                             |    | 39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Dimensions (mm)                            |    | 1200 x 300<br>1200 x 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                       | 1800 x 300<br>1800 x 400                                                                                |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Additional dimensions available on request |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| System                                     |                                                                                     | Hanging Wire Kit<br>U Profile grouping option<br>T Grid grouping option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Weight                                     |    | 1200 x 300: 3.8 kg / pc<br>1200 x 400: 5.0 kg / pc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                       | 1800 x 300: 5.6 kg / pc<br>1800 x 400: 7.5 kg / pc                                                      |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Colour & design                            |    | <div><div><br/>White</div><div><br/>Granite</div><div><br/>Steel</div><div><br/>Green Marble</div><div><br/>Copper</div><div><br/>Oak</div><div><br/>Brass</div><div><br/>Sandstone</div><div><br/>Concrete</div></div> |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Sound absorption                           |    | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>0.50(MH)</b> (300mm) as per EN ISO 11654 - <b>Class D</b></div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>Baffles 1200 x 300mm</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td><math>\alpha_p</math> Row distances 300mm</td><td>0.15</td><td>0.25</td><td>0.45</td><td>0.90</td><td>0.90</td><td>0.95</td></tr></table> <div>NRC = <b>0.65</b> (300mm) as per ASTM C 423</div>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                       |                                                                                                         |      |      |  |  | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | Baffles 1200 x 300mm |  |  |  |  |  |  | $\alpha_p$ Row distances 300mm | 0.15 | 0.25 | 0.45 | 0.90 | 0.90 | 0.95 |
| Frequency f (Hz)                           | 125                                                                                 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 500                                                                                                   | 1000                                                                                                    | 2000 | 4000 |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Baffles 1200 x 300mm                       |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| $\alpha_p$ Row distances 300mm             | 0.15                                                                                | 0.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.45                                                                                                  | 0.90                                                                                                    | 0.90 | 0.95 |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Fire reaction                              |   | Euroclass <b>A2-s1,d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Humidity resistance                        |  | 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Indoor air quality                         |  | <div><br/>A+</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <div><br/>E1</div> | <div><br/>IACG</div> |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Cleanability                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |
| Sustainability                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                       |                                                                                                         |      |      |  |  |                  |     |     |     |      |      |      |                      |  |  |  |  |  |  |                                |      |      |      |      |      |      |



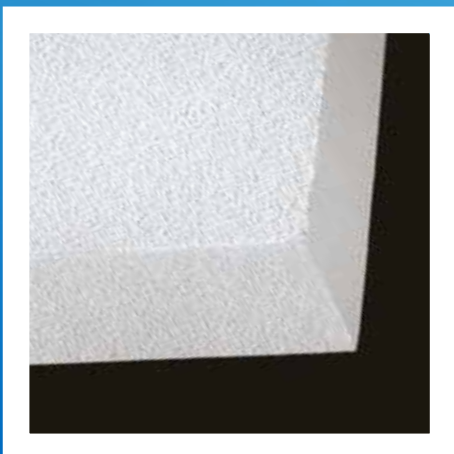


Vertical Baffle Systems

## **MINERAL Baffle Element Arc**

(OPTIMA Baffle Curves)

Individual / Grouped



- With MINERAL Baffle Element Arc you can create exciting interiors without compromising acoustic performance, even with modern exposed soffit ceilings
- Modern curved appearance
- Reduce noise levels, increase speech intelligibility and reduce reverberation time in the space
- Install individually or in groups
- Typically used in schools, offices, leisure centres, transport hubs, etc.

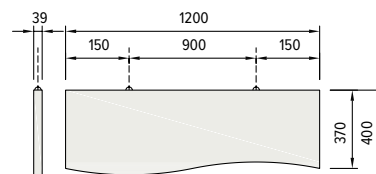
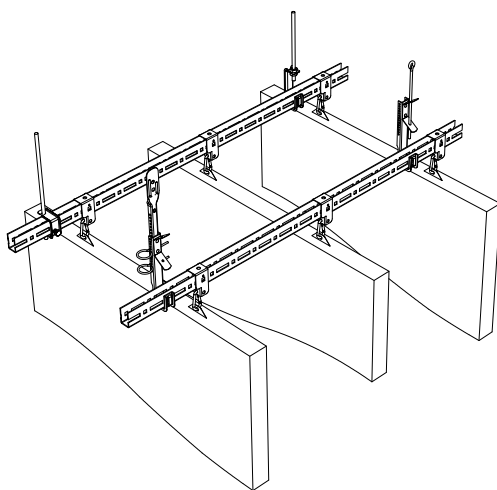
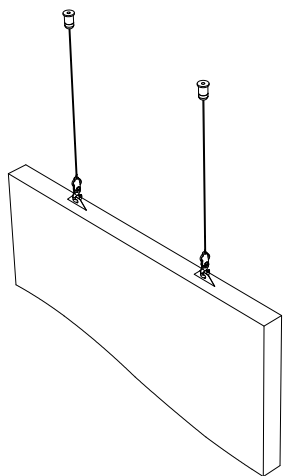


**MINERAL Baffle Element Arc**

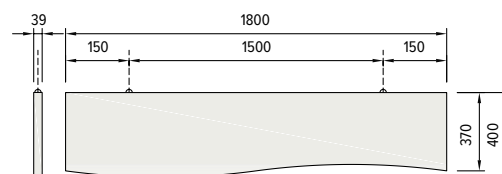
Individual / Grouped

|                                |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|------|------|--------------------------------|------|------|------|------|------|------|
| Thickness (mm)                 |                                                                                        | 39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| Dimensions (mm)                |                                                                                        | 1200 x 400<br>1800 x 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| Additional sizes on request    |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| System                         |                                                                                        | Hanging Wire Kit<br>U-Profile grouping option<br>T-Grid Main Runner grouping option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| Weight                         |                                                                                        | 1200 x 400: 5.0 kg/pc<br>1800 x 400: 7.5 kg/pc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| Colour & design                |                                                                                        | <div><div></div><div>White</div></div> <div><div></div><div>Granite</div></div> <div><div></div><div>Steel</div></div> <div><div></div><div>Green Marble</div></div> <div><div></div><div>Copper</div></div> <div><div></div><div>Oak</div></div> <div><div></div><div>Brass</div></div> <div><div></div><div>Sandstone</div></div> <div><div></div><div>Concrete</div></div> |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| Sound absorption               |                                                                                        | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>0.50(MH)</b> as per EN ISO 11654 - <b>Class D</b></div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math> Row distances 300mm</td><td>0.15</td><td>0.25</td><td>0.45</td><td>0.90</td><td>0.90</td><td>0.95</td></tr></table> <div>NRC = <b>0.65</b> as per ASTM C 423</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Frequency f (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 | $\alpha_p$ Row distances 300mm | 0.15 | 0.25 | 0.45 | 0.90 | 0.90 | 0.95 |
| Frequency f (Hz)               | 125                                                                                                                                                                     | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 500              | 1000 | 2000 | 4000 |      |      |      |                                |      |      |      |      |      |      |
| $\alpha_p$ Row distances 300mm | 0.15                                                                                                                                                                    | 0.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.45             | 0.90 | 0.90 | 0.95 |      |      |      |                                |      |      |      |      |      |      |
| Fire reaction                  |                                                                                        | Euroclass <b>A2-s1,d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| Humidity resistance            |                                                                                       | 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| Indoor air quality             |                                                                                      | <div><div></div><div>A+</div></div> <div><div></div><div>E1</div></div> <div><div></div><div>IACG</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| Cleanability                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |
| Sustainability                 |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |      |      |      |      |      |      |                                |      |      |      |      |      |      |

## MINERAL Baffle Element Arc



Module 1200 x 400 mm



Module 1800 x 400 mm





Vertical Baffle Systems

## MINERAL Baffle Line L/N

(THERMATEX® Baffle)

Individual / Grouped (only MINERAL Baffle Line L)



- MINERAL Baffle Line L and Line N features an aluminium frame and white laminate surface for a modern linear appearance. MINERAL Baffle Line L and Line N are also available in a variety of colours or customised graphic prints on request
- Good sound absorption: reduce noise levels, increase intelligibility and reduce reverberation time in a space
- Typically used to provide high levels of acoustic absorption in offices, leisure centres, transport hubs, etc



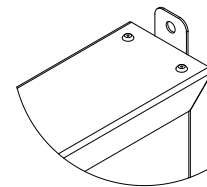
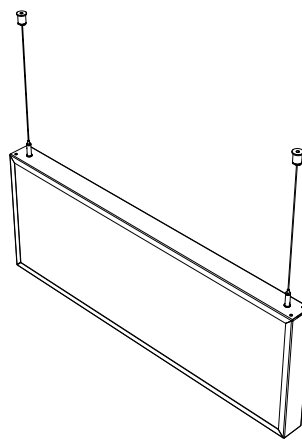
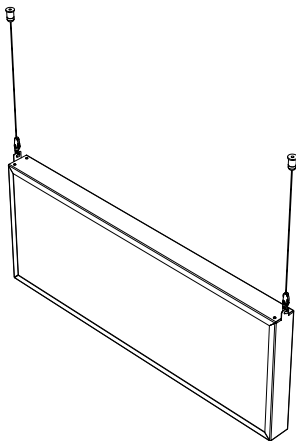
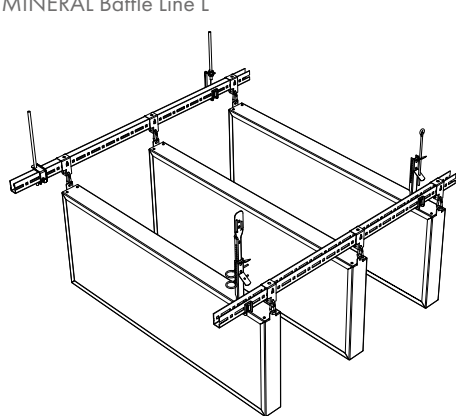


**MINERAL Baffle Line L/N**

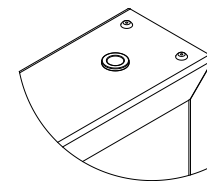
Individual / Grouped (only MINERAL Baffle Line L)

|                                                |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------|------|------|------|------|------|----------------------|------|------|------|------|------|------|
| Thickness (mm)                                 |                                                                                        | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
| Dimensions (mm)<br>Additional sizes on request |                                                                                        | 1200 x 300<br>1200 x 400<br>1800 x 300<br>1800 x 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
| System                                         |                                                                                        | MINERAL Baffle Line N - wire hanger with top screw thread<br>MINERAL Baffle Line L - wire hanger with tab connector<br>MINERAL Baffle Line L - U-Profile and carabiner with tab connector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
| Weight                                         |                                                                                        | 1200 x 300: 3.2 kg/pc<br>1200 x 400: 4.1 kg/pc<br>1800 x 300: 4.7 kg/pc<br>1800 x 400: 6.0 kg/pc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
| Colour & design                                |                                                                                        | <div><div>Frame: Anodised Aluminium, White, Colours</div><div><div><div>White</div></div><div><div><div>Granite</div></div><div><div><div>Steel</div></div><div><div><div>Green Marble</div></div><div><div><div>Copper</div></div><div><div><div>Oak</div></div><div><div><div>Brass</div></div><div><div><div>Sandstone</div></div><div><div><div>Concrete</div></div></div></div></div><div>Motif: Custom Graphic Print</div></div></div></div></div></div></div></div> |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
| Sound absorption                               |                                                                                        | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>0.60(MH)</b> (300mm) as per EN ISO 11654 - <b>Class C</b></div> <table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>Baffles 1200 x 300mm</td><td>0.35</td><td>0.40</td><td>0.55</td><td>0.90</td><td>0.90</td><td>0.90</td></tr></table> <div><math>\alpha_p</math> Row distances 300mm</div> <div>NRC = <b>0.65</b> as per ASTM C 423</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Frequency <i>f</i> (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 | Baffles 1200 x 300mm | 0.35 | 0.40 | 0.55 | 0.90 | 0.90 | 0.90 |
| Frequency <i>f</i> (Hz)                        | 125                                                                                                                                                                     | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 500                     | 1000 | 2000 | 4000 |      |      |      |                      |      |      |      |      |      |      |
| Baffles 1200 x 300mm                           | 0.35                                                                                                                                                                    | 0.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.55                    | 0.90 | 0.90 | 0.90 |      |      |      |                      |      |      |      |      |      |      |
| Fire reaction                                  |                                                                                      | Euroclass <b>A2-s1,d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
| Light reflectance                              |                                                                                      | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
| Humidity resistance                            |                                                                                      | <b>90%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
| Cleanability                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |
| Sustainability                                 |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |      |      |      |      |      |      |                      |      |      |      |      |      |      |

MINERAL Baffle Line L



MINERAL Baffle Line L



MINERAL Baffle Line N



©Szymon Polanski

Floating Canopy Systems

## MINERAL Sonic Element

(TOPIQ® Sonic Element, Optima Canopy)

Individual / Grouped



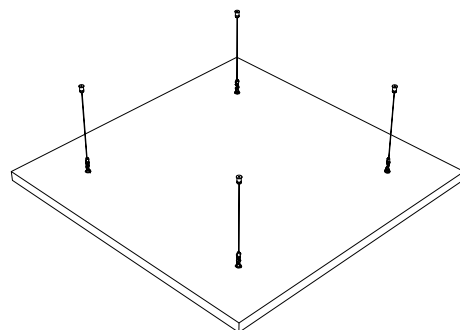
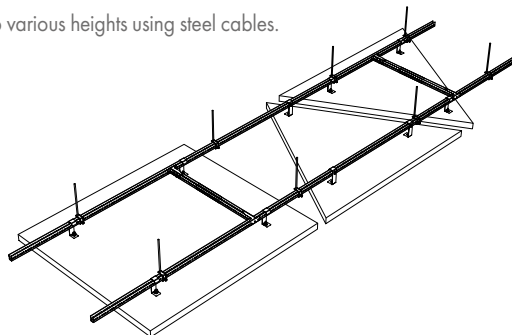
- MINERAL Sonic Element is a frameless and jointless ceiling raft. It also benefits from a fully colour coated face and reverse laminate fleece
- The monolithic ceiling raft design offers excellent sound absorption properties and when installed gives the appearance of a free floating ceiling cloud

# MINERAL Sonic Element

Individual / Grouped

|                                                    |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------|-----------|--|-------------|------------------|-----|-----|-----|------|------|------|----------------------------------|--|--|--|--|--|--|-------------------------------------------------|------|------|------|------|------|------|----------------------------------------------------|------|------|------|------|------|------|----------------------------------------------------|------|------|------|------|------|------|-------------------------------------------|------|------|------|------|------|------|
| Thickness (mm)                                     |                                             | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Dimensions (mm)                                    |                                             | Trapezoid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                             | 1180 x 870                                                                                                   |      | Rectangle |  | 1780 x 1180 |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Additional sizes and shapes on request             |                                                                                                                              | Hexagon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                             | 1363 x 1180                                                                                                  |      | Rectangle |  | 2380 x 1180 |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
|                                                    |                                                                                                                              | Left Parallelogram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                             | 1180 x 1180                                                                                                  |      | Circle    |  | Ø800        |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
|                                                    |                                                                                                                              | Right Parallelogram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                             | 1180 x 1180                                                                                                  |      | Circle    |  | Ø1200       |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
|                                                    |                                                                                                                              | Square                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                             | 800 x 800                                                                                                    |      | Circle    |  | Ø1600       |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
|                                                    |                                                                                                                              | Square                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                             | 1180 x 1180                                                                                                  |      | Convex    |  | 1170 x 1170 |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
|                                                    |                                                                                                                              | Rectangle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                             | 1180 x 580                                                                                                   |      | Concave   |  | 1170 x 1020 |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
|                                                    |                                                                                                                              | Rectangle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                             | 1780 x 880                                                                                                   |      | Triangle  |  | 1180 x 1022 |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| System                                             |                                             | Individual: Wire Hanger<br>Grouped: U-Profile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Weight                                             |                                             | 6.0 kg/m²                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Colour & design                                    |                                             | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div>WhiteGraniteSteelGreen MarbleCopperOakBrassSandstoneConcrete</div></div> |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Sound absorption                                   |                                             | <div>EN ISO 354</div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>Equivalent Absorption Area Aobj*</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Square: 1180 x 1180mm / Suspension height 190mm</td><td>0.40</td><td>1.20</td><td>2.20</td><td>2.40</td><td>2.40</td><td>2.30</td></tr><tr><td>Rectangle: 1780 x 1180mm / Suspension height 190mm</td><td>0.80</td><td>2.10</td><td>3.10</td><td>3.30</td><td>3.50</td><td>3.40</td></tr><tr><td>Rectangle: 2380 x 1180mm / Suspension height 190mm</td><td>0.80</td><td>2.70</td><td>4.20</td><td>4.40</td><td>4.50</td><td>4.30</td></tr><tr><td>Circle: Ø1200mm / Suspension height 150mm</td><td>0.40</td><td>1.00</td><td>1.70</td><td>1.80</td><td>2.00</td><td>1.90</td></tr></table> <div>*Values shown are the average of the 3 one third octave band values</div>                   |                                                                                                             |                                                                                                              |      |           |  |             | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | Equivalent Absorption Area Aobj* |  |  |  |  |  |  | Square: 1180 x 1180mm / Suspension height 190mm | 0.40 | 1.20 | 2.20 | 2.40 | 2.40 | 2.30 | Rectangle: 1780 x 1180mm / Suspension height 190mm | 0.80 | 2.10 | 3.10 | 3.30 | 3.50 | 3.40 | Rectangle: 2380 x 1180mm / Suspension height 190mm | 0.80 | 2.70 | 4.20 | 4.40 | 4.50 | 4.30 | Circle: Ø1200mm / Suspension height 150mm | 0.40 | 1.00 | 1.70 | 1.80 | 2.00 | 1.90 |
| Frequency f (Hz)                                   | 125                                                                                                                          | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 500                                                                                                         | 1000                                                                                                         | 2000 | 4000      |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Equivalent Absorption Area Aobj*                   |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Square: 1180 x 1180mm / Suspension height 190mm    | 0.40                                                                                                                         | 1.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.20                                                                                                        | 2.40                                                                                                         | 2.40 | 2.30      |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Rectangle: 1780 x 1180mm / Suspension height 190mm | 0.80                                                                                                                         | 2.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3.10                                                                                                        | 3.30                                                                                                         | 3.50 | 3.40      |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Rectangle: 2380 x 1180mm / Suspension height 190mm | 0.80                                                                                                                         | 2.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.20                                                                                                        | 4.40                                                                                                         | 4.50 | 4.30      |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Circle: Ø1200mm / Suspension height 150mm          | 0.40                                                                                                                         | 1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.70                                                                                                        | 1.80                                                                                                         | 2.00 | 1.90      |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Fire reaction                                      |                                           | Euroclass <b>A2-s1,d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Light reflectance                                  |                                           | Up to <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Humidity resistance                                |                                           | <b>90%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Indoor air quality                                 |                                           | <div><div>A</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <div><div>E1</div></div> | <div><div>IAC</div></div> |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Cleanability                                       |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |
| Sustainability                                     | <div><div>IC 127/2008 Annex Q</div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                             |                                                                                                              |      |           |  |             |                  |     |     |     |      |      |      |                                  |  |  |  |  |  |  |                                                 |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                                    |      |      |      |      |      |      |                                           |      |      |      |      |      |      |

Flexible design and adjustable to various heights using steel cables.





Floating Canopy Systems

## **MINERAL Sonic Line Arc**

(THERMATEX® Sonic Arc)

Individual



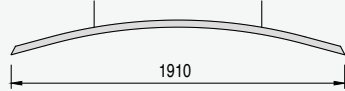
- Create unique, elegant designs with an array of MINERAL Sonic Line Arc concave and convex canopies
- Play with custom colours to create exciting contrasting effects
- MINERAL Sonic Line Arc allows you express your creativity and accentuate an area using new spacial effects



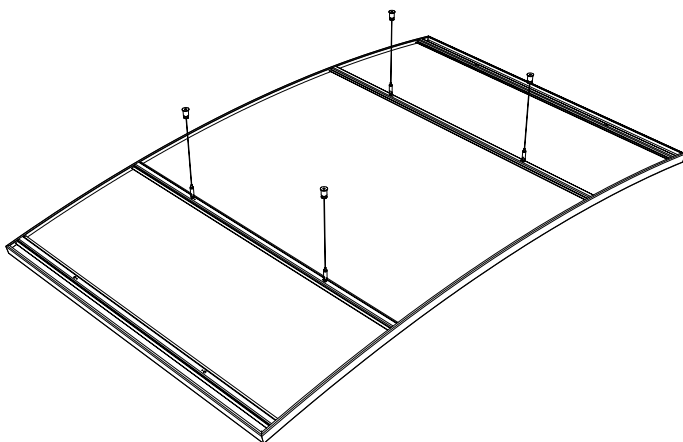


# MINERAL Sonic Line Arc

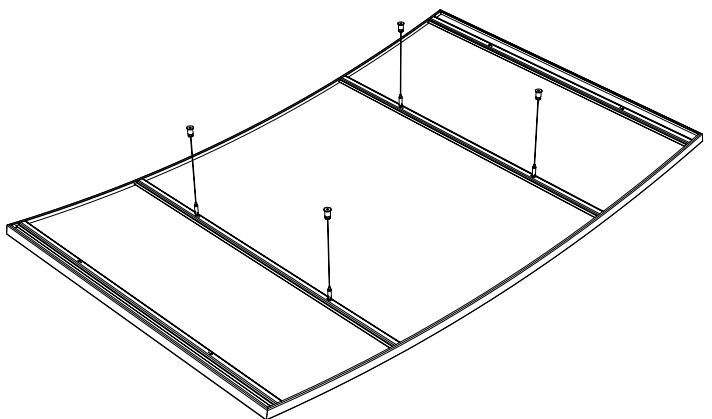
Individual

|                                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
|------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------|------|------|-----|------|------|------|------------------------------------------|--|--|--|--|--|--|-------------------------|------|------|------|------|------|------|
| Edge details                             |    | <div>MINERAL<br/>Sonic Line Arc Concave</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <div>MINERAL<br/>Sonic Line Arc Convex</div>  |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Thickness (mm)                           |    | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Dimensions (mm)                          |    | 1910 x 1180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| System                                   |    | Wire Hanger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Weight                                   |    | 16.0 kg/pc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Colour & design                          |    | <div><div>White</div><div>Granite</div><div>Steel</div><div>Green Marble</div><div>Copper</div><div>Oak</div><div>Brass</div><div>Sandstone</div><div>Concrete</div></div> <div> Vario Design Colours</div> |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Sound absorption                         |    | <div>EN ISO 354</div> <table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>Equivalent Absorption Area <i>Aobj</i>*</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Suspension height 185mm</td><td>0.40</td><td>1.60</td><td>2.40</td><td>2.70</td><td>3.20</td><td>3.40</td></tr></table> <div>*Values shown are the average of the 3 one third octave band values</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                 | Frequency <i>f</i> (Hz) | 125  | 250  | 500 | 1000 | 2000 | 4000 | Equivalent Absorption Area <i>Aobj</i> * |  |  |  |  |  |  | Suspension height 185mm | 0.40 | 1.60 | 2.40 | 2.70 | 3.20 | 3.40 |
| Frequency <i>f</i> (Hz)                  | 125                                                                                 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 500                                                                                                                             | 1000                    | 2000 | 4000 |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Equivalent Absorption Area <i>Aobj</i> * |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Suspension height 185mm                  | 0.40                                                                                | 1.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.40                                                                                                                            | 2.70                    | 3.20 | 3.40 |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Fire reaction                            |  | Euroclass <b>A2-s1,d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Light reflectance                        |  | Up to <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Humidity resistance                      |  | <b>90%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Cleanability                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |
| Sustainability                           |  | <div>BIODEGRADABLE WOOL</div>  <div>EC 1272/2008 Annex Q</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                 |                         |      |      |     |      |      |      |                                          |  |  |  |  |  |  |                         |      |      |      |      |      |      |

MINERAL Sonic Line Arc Concave



MINERAL Sonic Line Arc Convex



Ceiling rafts are delivered in one piece making them quick and easy to install. Flexible design and adjustable to various heights using steel cables.



Floating Canopy Systems

## MINERAL Sonic Line

(THERMATEX® Sonic Modern)

Individual

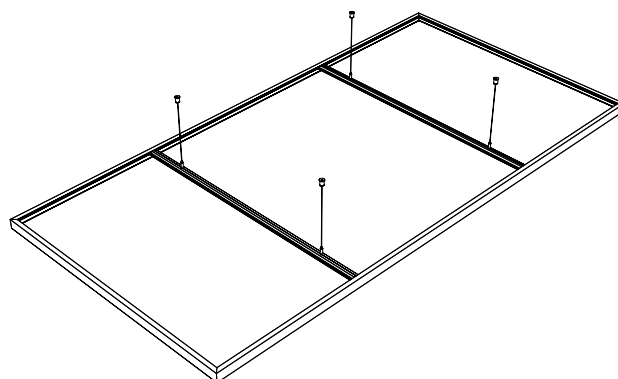


- MINERAL Sonic Line is a ceiling raft with an aluminium frame. The flexible suspension with fine, steel cables enables the height to be individually adjusted as required
- Available with a standard white laminate surface and can be customised in a variety of colours or bespoke printed motifs on request
- Aesthetically defines spaces in schools, offices leisure centres, retail spaces etc.

Floating Canopy Systems  
**MINERAL Sonic Line**  
 Individual

|                                          |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|------|------|----------------------------------|--|--|--|--|--|--|------------------------------------------|------|------|------|------|------|------|------------------------------------------|------|------|------|------|------|------|
| Thickness (mm)                           |                                                                                        | 43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Dimensions (mm)                          |                                                                                        | 1200 x 600<br>1200 x 1200<br>1800 x 1200<br>2400 x 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| System                                   |                                                                                        | Wire Hanger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Weight                                   |                                                                                        | 1200 x 600: 5.0 kg/pc<br>1200 x 1200: 10.0 kg/pc<br>1800 x 1200: 15.0 kg/pc<br>2400 x 1200: 20.0 kg/pc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Colour & design                          |                                                                                        | <div><div>Frame: Anodised Aluminium, White, Colours</div><div><div></div><div><div><div>va</div>Vario Design Colours</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div>WhiteGraniteSteelGreen MarbleCopperOakBrassSandstoneConcrete</div></div><div>Motif: Custom Graphic Print</div></div> |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Sound absorption                         |                                                                                        | <div>EN ISO 354</div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>Equivalent Absorption Area Aobj*</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1200 x 1200mm<br/>Suspension height 193mm</td><td>0.40</td><td>1.10</td><td>1.60</td><td>2.00</td><td>2.10</td><td>2.00</td></tr><tr><td>2400 x 1200mm<br/>Suspension height 193mm</td><td>0.90</td><td>1.90</td><td>3.00</td><td>3.40</td><td>3.80</td><td>3.70</td></tr></table> <div>*Values shown are the average of the 3 one third octave band values</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Frequency f (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 | Equivalent Absorption Area Aobj* |  |  |  |  |  |  | 1200 x 1200mm<br>Suspension height 193mm | 0.40 | 1.10 | 1.60 | 2.00 | 2.10 | 2.00 | 2400 x 1200mm<br>Suspension height 193mm | 0.90 | 1.90 | 3.00 | 3.40 | 3.80 | 3.70 |
| Frequency f (Hz)                         | 125                                                                                                                                                                     | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 500              | 1000 | 2000 | 4000 |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Equivalent Absorption Area Aobj*         |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| 1200 x 1200mm<br>Suspension height 193mm | 0.40                                                                                                                                                                    | 1.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.60             | 2.00 | 2.10 | 2.00 |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| 2400 x 1200mm<br>Suspension height 193mm | 0.90                                                                                                                                                                    | 1.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3.00             | 3.40 | 3.80 | 3.70 |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Fire reaction                            |                                                                                      | Euroclass <b>A2-s1,d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Light reflectance                        |                                                                                      | Up to <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Humidity resistance                      |                                                                                      | <b>90%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Cleanability                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |
| Sustainability                           |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                                          |      |      |      |      |      |      |                                          |      |      |      |      |      |      |

Ceiling rafts are delivered in one piece making them quick and easy to install. Flexible design and adjustable to various heights using steel cables.







©Philip Durant

Wall Systems

## MINERAL Wallcoustic Element

(OPTIMA Canopy, OPTIMA L Canopy, TOPIQ® Line Element)  
Individual



- MINERAL Wallcoustic Element is a frameless and jointless wall absorber. It also benefits from a fully colour coated face and reverse laminate fleece
- The monolithic wall absorber offers excellent sound absorption properties and endless design possibilities for ambitious architects, who seek to raise the visual and acoustic quality of interior spaces
- The wall panel is delivered in one piece and is quick and easy to install using spiral anchors and wall brackets

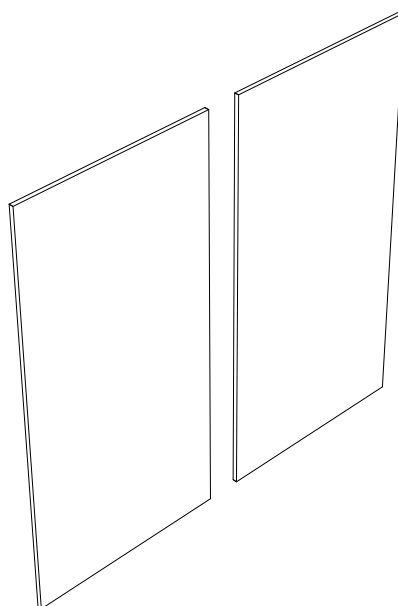




# MINERAL Wallcoustic Element

Individual

|                                  |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|------|------|----------------------------------|--|--|--|--|--|--|-----------------------|------|------|------|------|------|------|--------------------------|------|------|------|------|------|------|
| Thickness (mm)                   |                                                                                        | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Dimensions (mm)                  |                                                                                        | Square 1180 x 1180<br>Square 800 x 800<br>Rectangle 1180 x 580<br>Rectangle 1780 x 880<br>Rectangle 1780 x 1180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Additional sizes on request      |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| System                           |                                                                                        | Spiral anchor<br>Wall brackets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Weight                           |                                                                                        | 6.0 kg/m²                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Colour & design                  |                                                                                        | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div><div>VD Vario Design Colours</div><div>WhiteGraniteSteelGreen MarbleCopperOakBrassSandstoneConcrete</div></div></div> |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Sound absorption                 |                                                                                        | <div>EN ISO 354</div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>Equivalent Absorption Area Aobj*</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Square: 1180 x 1180mm</td><td>0.40</td><td>1.20</td><td>1.90</td><td>1.90</td><td>1.90</td><td>1.80</td></tr><tr><td>Rectangle: 1780 x 1180mm</td><td>0.50</td><td>1.70</td><td>2.70</td><td>2.80</td><td>2.80</td><td>2.60</td></tr></table> <div>*Values shown are the average of the 3 one third octave band values</div>                                                                                                                                                                                                                                                                                                                                                                                                               | Frequency f (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 | Equivalent Absorption Area Aobj* |  |  |  |  |  |  | Square: 1180 x 1180mm | 0.40 | 1.20 | 1.90 | 1.90 | 1.90 | 1.80 | Rectangle: 1780 x 1180mm | 0.50 | 1.70 | 2.70 | 2.80 | 2.80 | 2.60 |
| Frequency f (Hz)                 | 125                                                                                                                                                                     | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 500              | 1000 | 2000 | 4000 |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Equivalent Absorption Area Aobj* |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Square: 1180 x 1180mm            | 0.40                                                                                                                                                                    | 1.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.90             | 1.90 | 1.90 | 1.80 |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Rectangle: 1780 x 1180mm         | 0.50                                                                                                                                                                    | 1.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.70             | 2.80 | 2.80 | 2.60 |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Fire reaction                    |                                                                                       | Euroclass <b>A2-s1,d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Light reflectance                |                                                                                      | Up to <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Humidity resistance              |                                                                                      | <b>90%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Cleanability                     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Sustainability                   |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |





## Wall Systems

# MINERAL Wallcoustic Line

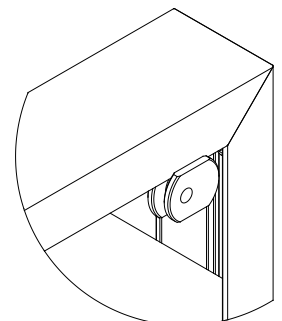
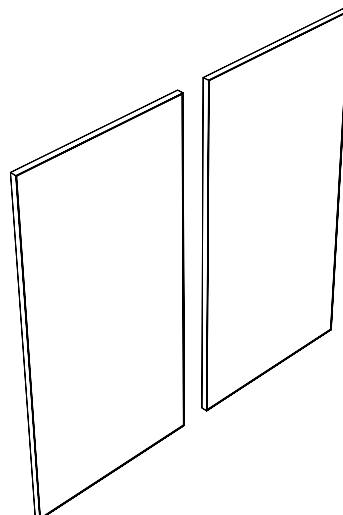
(THERMATEx® Line Modern)  
Individual



- MINERAL Wallcoustic Line is a pre-assembled aluminium framed wall absorber with a standard white, laminate surface finish. It can also be ordered in a variety of colours or customised printed motifs on request
- Customise and enhance the visual appearance and acoustic ambience in any space
- The wall panel is delivered in one piece and is quick and easy to install using eccentric screws and installation key



|                                  |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|------|------|----------------------------------|--|--|--|--|--|--|-------------------------|------|------|------|------|------|------|-----------------------|------|------|------|------|------|------|--------------------------|------|------|------|------|------|------|--------------------------|------|------|------|------|------|------|
| Thickness (mm)                   |                                                                                        | 43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Dimensions (mm)                  |                                                                                        | 1200 x 600<br>1200 x 1200<br>1800 x 1200<br>2400 x 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Additional sizes on request      |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| System                           |                                                                                        | Eccentric bracket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Weight                           |                                                                                        | 9.4 kg/m²                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Colour & design                  |                                                                                        | <div><div>Frame: Anodised Aluminium, White, Colours</div><div><div></div><div>White</div><div></div><div>Granite</div><div></div><div>Steel</div><div></div><div>Green Marble</div><div></div><div>Copper</div><div></div><div>Oak</div><div></div><div>Brass</div><div></div><div>Sandstone</div><div></div><div>Concrete</div></div></div> |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
|                                  |                                                                                                                                                                         | Motif: Custom Graphic Print                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Sound absorption                 |                                                                                        | <div>EN ISO 354</div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>Equivalent Absorption Area Aobj*</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Rectangle: 1200 x 600mm</td><td>0.20</td><td>0.60</td><td>1.00</td><td>0.90</td><td>0.80</td><td>0.90</td></tr><tr><td>Square: 1200 x 1200mm</td><td>0.50</td><td>1.10</td><td>1.60</td><td>1.50</td><td>1.50</td><td>1.50</td></tr><tr><td>Rectangle: 1800 x 1200mm</td><td>0.60</td><td>1.90</td><td>2.50</td><td>2.40</td><td>2.20</td><td>2.40</td></tr><tr><td>Rectangle: 2400 x 1200mm</td><td>1.10</td><td>2.20</td><td>3.10</td><td>3.10</td><td>3.00</td><td>3.10</td></tr></table> <div>*Values shown are the average of the 3 one third octave band values</div>                                                                                                                                                                                                                                                                          | Frequency f (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 | Equivalent Absorption Area Aobj* |  |  |  |  |  |  | Rectangle: 1200 x 600mm | 0.20 | 0.60 | 1.00 | 0.90 | 0.80 | 0.90 | Square: 1200 x 1200mm | 0.50 | 1.10 | 1.60 | 1.50 | 1.50 | 1.50 | Rectangle: 1800 x 1200mm | 0.60 | 1.90 | 2.50 | 2.40 | 2.20 | 2.40 | Rectangle: 2400 x 1200mm | 1.10 | 2.20 | 3.10 | 3.10 | 3.00 | 3.10 |
| Frequency f (Hz)                 | 125                                                                                                                                                                     | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 500              | 1000 | 2000 | 4000 |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Equivalent Absorption Area Aobj* |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Rectangle: 1200 x 600mm          | 0.20                                                                                                                                                                    | 0.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.00             | 0.90 | 0.80 | 0.90 |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Square: 1200 x 1200mm            | 0.50                                                                                                                                                                    | 1.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.60             | 1.50 | 1.50 | 1.50 |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Rectangle: 1800 x 1200mm         | 0.60                                                                                                                                                                    | 1.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.50             | 2.40 | 2.20 | 2.40 |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Rectangle: 2400 x 1200mm         | 1.10                                                                                                                                                                    | 2.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3.10             | 3.10 | 3.00 | 3.10 |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Fire reaction                    |                                                                                      | Euroclass <b>A2-s1,d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Light reflectance                |                                                                                      | Up to <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Humidity resistance              |                                                                                      | <b>90%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Cleanability                     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |
| Sustainability                   |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                                  |  |  |  |  |  |  |                         |      |      |      |      |      |      |                       |      |      |      |      |      |      |                          |      |      |      |      |      |      |                          |      |      |      |      |      |      |



Detail: Eccentric bracket





Wall Systems  
**FABRIC Wallcoustic Line**  
 (LINE Style)  
 Individual



- FABRIC Wallcoustic Line is a fabric covered wall absorber with an elegant aluminium frame and can be easily customised using individual patterns or images. The aluminium frame is supplied with an all-round groove into which the printed fabric is inserted. The fabric covering can be easily removed and replaced with a new fabric design, without using any special tools
- FABRIC Wallcoustic Line 20: Lightweight profile for one-sided coverings in small sizes
- FABRIC Wallcoustic Line 27: Profile for all sizes with one-sided coverings
- FABRIC Wallcoustic Line 50: Profile for all sizes with one-sided coverings and a highly absorbing acoustic filling





# FABRIC Wallcoustic Line

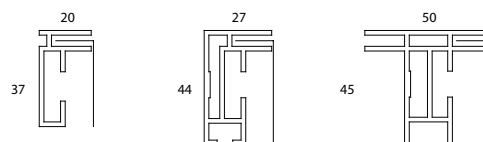
Individual

|                            |                                                                                     |                                                                                                                                                                                                                                                                                          |                                                          |                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Thickness (mm)</b>      |    | 20                                                                                                                                                                                                                                                                                       | 27                                                       | 50                                                                                  |
| <b>Dimensions (mm)</b>     |    | 600 x 600<br>1 200 x 600                                                                                                                                                                                                                                                                 | 1200 x 1200<br>1800 x 1200<br>2400 x 1200<br>2400 x 2400 | 600 x 600<br>1200 x 600<br>1200 x 1200<br>1800 x 1200<br>2400 x 1200<br>2400 x 2400 |
| <b>System</b>              |    | Wall bracket                                                                                                                                                                                                                                                                             |                                                          |                                                                                     |
| <b>Weight</b>              |    | 3.0 - 6.0 kg/m <sup>2</sup>                                                                                                                                                                                                                                                              |                                                          |                                                                                     |
| <b>Colour &amp; design</b> |    | <b>Frame:</b> anodised aluminium, white, RAL colours<br><b>FABRIC Wallcoustic Line 20:</b> fabric, white or Custom Graphic Print<br><b>FABRIC Wallcoustic Line 27:</b> fabric, white or Custom Graphic Print<br><b>FABRIC Wallcoustic Line 50:</b> fabric, white or Custom Graphic Print |                                                          |                                                                                     |
| <b>Sound absorption</b>    |    | EN ISO 354<br>Frequency $f$ (Hz)<br>Equivalent Absorption Area $A_{obj}$ *<br>1200 x 1200mm (50mm thickness)                                                                                                                                                                             |                                                          |                                                                                     |
| <b>Humidity resistance</b> |    | 90%                                                                                                                                                                                                                                                                                      |                                                          |                                                                                     |
| <b>Cleanability</b>        |  |                                                                                                                    |                                                          |                                                                                     |

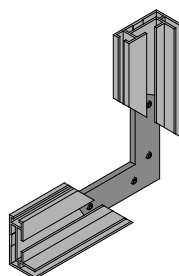
\*Values shown are the average of the 3 one third octave band values

FABRIC Wallcoustic Line

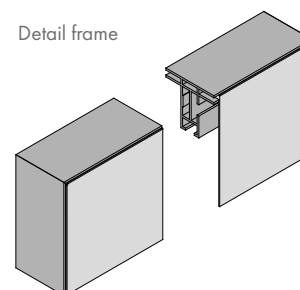
Profile cross-sections



Corner connection



Detail frame





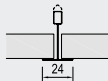
## AMF THERMATEX® Alpha Colour



- AMF THERMATEX® Alpha Colour provides a modern appearance and is the optimal solution for spaces that require outstanding sound absorption. In addition to cream, black and silver, the acoustic range is also available in granite, steel, green marble, copper, oak, brass, sandstone and concrete Vario Design colours
- Excellent sound absorption (0.95  $\alpha_w$ )
- Ideal for offices, restaurants, cinemas, classrooms and learning applications



# AMF THERMATEX® ALPHA COLOUR

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------------------|-----|-----|-----|------|------|------|--------------------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request | <br>                                                                                                                                                                                                                                                                                                          | Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                                                                                                                                                                                                                                                                                                                                                                                                | <div><div>600 x 600</div><div>610 x 610</div><div>625 x 625</div></div> <div><div>1200 x 600</div><div>1220 x 610</div><div>1250 x 625</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>System</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                | 3.3 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Colour</b><br><br>Additional colours on request            |                                                                                                                                                                                                                                                                                                                                                                                                | <div><div>Black</div><div>Silver</div><div>Cream</div></div> <div><div><b>VO Vario Design colours</b></div><div>Granite</div><div>Steel</div><div>Green Marble</div><div>Copper</div><div>Oak</div><div>Brass</div><div>Sandstone</div><div>Concrete</div></div> |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                                                                                                                                                                                                                                                                                                                                                                                                | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>1.00</b> as per EN ISO 11654 - <b>Class A</b> (Black)</div> <div><math>\alpha_w</math> = <b>0.95</b> as per EN ISO 11654 - <b>Class A</b> (other colours)</div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math> Black</td><td>0.45</td><td>0.80</td><td>0.95</td><td>0.95</td><td>1.00</td><td>1.00</td></tr></table> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math> Other colours</td><td>0.50</td><td>0.80</td><td>0.90</td><td>0.90</td><td>1.00</td><td>1.00</td></tr></table> <div>NRC = <b>0.90</b> as per ASTM C 423</div>                                                                                                                                                                                                                                                                                                                                                                                                         | Frequency f (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 | $\alpha_p$ Black | 0.45 | 0.80 | 0.95 | 0.95 | 1.00 | 1.00 | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ Other colours | 0.50 | 0.80 | 0.90 | 0.90 | 1.00 | 1.00 |
| Frequency f (Hz)                                              | 125                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 500              | 1000 | 2000 | 4000 |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| $\alpha_p$ Black                                              | 0.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.95             | 0.95 | 1.00 | 1.00 |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| Frequency f (Hz)                                              | 125                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 500              | 1000 | 2000 | 4000 |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| $\alpha_p$ Other colours                                      | 0.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.90             | 0.90 | 1.00 | 1.00 |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                                                                                                                                                                                                                                                                                                                                                                                              | <div>EN ISO 10848-2</div> <div><math>D_{n,f,w}</math> = <b>28 dB</b> as per EN ISO 717-1</div> <div>CAC = <b>29 dB</b> as per ASTM E 413-10</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |                                                                                                                                                                                                                                                                                                                                                                                              | <div>EN ISO 10140-2</div> <div><math>R_w</math> = <b>14 dB</b> as per EN ISO 717-1</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                                                                                                                                                                                                                                                                                                                                                                                              | <div>Euroclass <b>A2-s1, d0</b> as per EN 13501-1</div> <div><b>RUS KM1 (G1, V1, D1, T1)</b> as per 123-FZ</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |                                                                                                                                                                                                                                                                                                                                                                                              | $\lambda$ = <b>0.040 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Air permeability</b>                                       |                                                                                                                                                                                                                                                                                                                                                                                              | <b>PM1</b> ( $\leq 30 \text{ m}^3/\text{hm}^2$ ) as per DIN 18177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                                                                                                                                                                                                                                                                                                                                                                                              | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                              | <div><div>A+</div><div>E1</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <div>43%</div> <div>BIOSOLUBLE WOOL<br/>EN ISO 14021<br/>EC 1272/2008 Annex G</div> <div>BLUE ANGEL<br/>THE GERMAN ECO LABEL</div> <div><a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |      |      |      |      |      |      |                  |      |      |      |      |      |      |                  |     |     |     |      |      |      |                          |      |      |      |      |      |      |



# EXPERIENCE MORE POSSIBILITIES





## AMF THERMATEx® Varioline

With AMF THERMATEx® Varioline, the individual design possibilities are almost limitless.

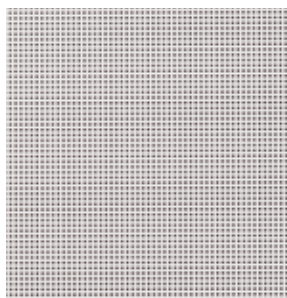
Whichever architectural look and feel you have in mind, you can choose from a selection of mineral tiles with wood, concrete or metal pattern surfaces to achieve the desired visual aesthetic.

Individual motif designs are also available to help customise and enhance the ambience of any space.

Choose from any of the following solutions - AMF THERMATEx® Varioline Motif, Varioline Metal, Varioline Wood, Varioline Symetra and Varioline Colour to meet the acoustic, aesthetic and fire performance needs of your project.



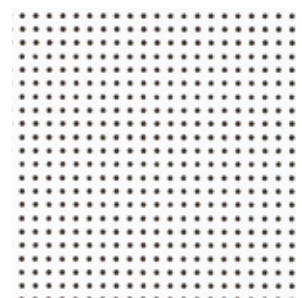
Varioline Motif



Varioline Metal



Varioline Wood



Varioline Symetra

# Smooth White Acoustic



## THE SMOOTH WHITE ACOUSTIC RANGE HAS THE WIDEST CHOICE OF EDGES, MODULES AND ACOUSTIC OPTIONS.

Designed to provide flexibility and complete noise control for every space – whether it's high sound absorption, high sound attenuation or a balance of both. Thanks to the smooth white surface, these aesthetically pleasing ceilings also offer high levels of light reflectance and energy saving benefits.





## DATASHEET

# AMF THERMATEX<sup>®</sup> Acoustic



- The laminated finish of AMF THERMATEX<sup>®</sup> Acoustic creates a smooth, white appearance and provides good levels of sound absorption and excellent sound attenuation
- Good sound absorption (0.65 (H)  $\alpha_w$ )
- Excellent sound attenuation (40 dB; SL2)

- High sound attenuation (38 dB; Board, Tegular 24/90, Tegular 15/90, Vector, Finesse)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for retail, offices and meeting rooms, installation rooms or production areas



# DATASHEET

## AMF THERMATEX® Acoustic

|                                                              |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
|--------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--|----------------------------------------------------|--|-------------------------|-----|-----|-----|------|------|------|--------------------------------------------------------------|------|------|------|------|------|------|-------------------|------|------|------|------|------|------|
| <b>Edge details</b><br>Additional edge details on request    |      | Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tegular 24/90                        | Tegular 15/90                                       | SL2                                                                                                                                                                            | Vector                                       |  | Finesse                                            |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                        |      | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 19                                   | 19                                                  | 19                                                                                                                                                                             | 24                                           |  | 19                                                 |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Dimensions (mm)</b>                                       |      | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 600 x 600<br>625 x 625<br>1200 x 600 | 600 x 600<br>1200 x 600                             | 1200 x 300<br>1500 x 300<br>1800 x 300<br>2000 x 300<br>2500 x 300                                                                                                             | 600 x 600<br>625 x 625<br>1200 x 600         |  | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625 |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>System</b>                                                |      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |                                                     | Semi-concealed planks, demountable - System I.3<br>Semi-concealed planks - Bandrastrer, demountable - System I.2<br>Semi-concealed planks - Corridor, demountable - System F.2 | Semi-concealed tiles, demountable - System C |  | Concealed, demountable - System A.2 / A.3          |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Weight</b>                                                |      | 5.0 - 8.6 kg / m²                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Colour</b>                                                |      | <br>White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Sound absorption</b>                                      |      | EN ISO 354<br>$\alpha_w = \mathbf{0.65 (H)}$ as per EN ISO 11654 - <b>Class C</b><br><table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math> Board, Tegular 24/90, Tegular 15/90, Finesse, SL2</td><td>0.50</td><td>0.45</td><td>0.60</td><td>0.85</td><td>0.95</td><td>0.95</td></tr><tr><td><math>\alpha_p</math> Vector</td><td>0.45</td><td>0.40</td><td>0.60</td><td>0.80</td><td>0.90</td><td>1.00</td></tr></table><br>NRC = <b>0.70</b> as per ASTM C 423 |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  | Frequency <i>f</i> (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ Board, Tegular 24/90, Tegular 15/90, Finesse, SL2 | 0.50 | 0.45 | 0.60 | 0.85 | 0.95 | 0.95 | $\alpha_p$ Vector | 0.45 | 0.40 | 0.60 | 0.80 | 0.90 | 1.00 |
| Frequency <i>f</i> (Hz)                                      | 125  | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 500                                  | 1000                                                | 2000                                                                                                                                                                           | 4000                                         |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| $\alpha_p$ Board, Tegular 24/90, Tegular 15/90, Finesse, SL2 | 0.50 | 0.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.60                                 | 0.85                                                | 0.95                                                                                                                                                                           | 0.95                                         |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| $\alpha_p$ Vector                                            | 0.45 | 0.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.60                                 | 0.80                                                | 0.90                                                                                                                                                                           | 1.00                                         |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                     |      | EN ISO 10848-2<br>$D_{n,f,w} = \mathbf{38\,dB}$ (Board, Tegular 24/90, Tegular 15/90, Vector, Finesse) as per EN ISO 717-1<br>$D_{n,f,w} = \mathbf{40\,dB}$ (SL2) as per EN ISO 717-1<br><br>CAC = <b>39 dB</b> (Board, Tegular 24/90, Tegular 15/90, Vector, Finesse) as per ASTM E 413-10                                                                                                                                                                                                                                                                        |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Sound reduction</b>                                       |      | EN ISO 10140-2<br>$R_w = \mathbf{22\,dB}$ as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Fire reaction</b>                                         |      | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Light reflectance</b>                                     |      | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                  |      | $\lambda = \mathbf{0.060\,W/mk}$ as per EN 12667                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Air permeability</b>                                      |      | <b>PM1</b> ( $\leq 30\,m^3/hm^2$ ) as per DIN 18177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                   |      | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Clean room</b>                                            |      | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                    |      | <br>A+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <br>E1                               | <br>Indoor Air Comfort<br>GOLD<br>CERTIFIED PRODUCT |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Cleanability</b>                                          |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |                                                     |                                                                                                                                                                                |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Sustainability</b>                                        |      | <br>EN ISO 14021<br>35 - 36.9%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <br>EN ISO 14025                     | <br>BIOSOLUBLE WOOL<br>EC 1272/2008 Annex Q         | <br>CERTIFIED<br>cradle to cradle<br>BRONZE                                                                                                                                    |                                              |  |                                                    |  |                         |     |     |     |      |      |      |                                                              |      |      |      |      |      |      |                   |      |      |      |      |      |      |

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## DATASHEET

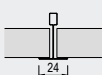
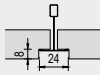
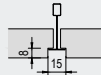
# AMF THERMATEX<sup>®</sup> dB Acoustic



- AMF THERMATEX<sup>®</sup> dB Acoustic is the ideal solution for spaces requiring excellent sound attenuation and good sound absorption. It provides a simple yet timeless design finish to any space
- Good sound absorption (0.65 (H)  $\alpha_w$ )
- Excellent sound attenuation (24mm thickness: 41 dB - 30mm thickness: 43dB)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, meeting rooms and learning applications or corridors

# DATASHEET

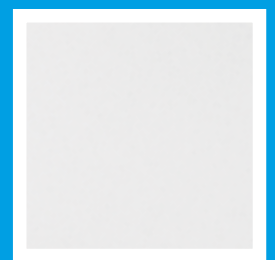
## AMF THERMATEX® dB Acoustic

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------|------|-----|-----|------|------|------|-------------------------------------------------------|------|------|------|------|------|------|-------------------------|------|------|------|------|------|------|
| <b>Edge details</b><br>Additional edge details on request |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Board<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tegular 24/90<br> | Tegular 15/90<br> |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 24, 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 24                                                                                                  | 24                                                                                                   |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Dimensions (mm)</b>                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 600 x 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 600 x 600                                                                                           | 600 x 600                                                                                            |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>System</b>                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Weight</b>                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8.6 - 10.6 kg / m²                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Colour</b>                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <br>White                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Sound absorption</b>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | EN ISO 354<br>$\alpha_w = \mathbf{0.65\ (H)}$ as per EN ISO 11654 - <b>Class C</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math> Board (24mm), Tegular 24/90, Tegular 15/90</td><td>0.40</td><td>0.45</td><td>0.60</td><td>0.80</td><td>0.95</td><td>0.95</td></tr><tr><td><math>\alpha_p</math> Board (30mm)</td><td>0.35</td><td>0.40</td><td>0.65</td><td>0.85</td><td>0.90</td><td>0.95</td></tr></table><br>NRC = <b>0.70</b> as per ASTM C 423 |                                                                                                     |                                                                                                      | Frequency f (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ Board (24mm), Tegular 24/90, Tegular 15/90 | 0.40 | 0.45 | 0.60 | 0.80 | 0.95 | 0.95 | $\alpha_p$ Board (30mm) | 0.35 | 0.40 | 0.65 | 0.85 | 0.90 | 0.95 |
| Frequency f (Hz)                                          | 125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 500                                                                                                 | 1000                                                                                                 | 2000             | 4000 |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| $\alpha_p$ Board (24mm), Tegular 24/90, Tegular 15/90     | 0.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.60                                                                                                | 0.80                                                                                                 | 0.95             | 0.95 |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| $\alpha_p$ Board (30mm)                                   | 0.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.65                                                                                                | 0.85                                                                                                 | 0.90             | 0.95 |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | EN ISO 10848-2<br>$D_{n,f,w} = \mathbf{41\ dB}$ (24mm) as per EN ISO 717-1<br>CAC = <b>43 dB</b> (24mm) as per ASTM E 413-10<br>$D_{n,f,w} = \mathbf{43\ dB}$ (30mm) as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Sound reduction</b>                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EN ISO 10140-2<br>$R_w = \mathbf{24\ dB}$ (24mm) as per EN ISO 717-1<br>$R_w = \mathbf{25\ dB}$ (30mm) as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Fire reaction</b>                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Light reflectance</b>                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $\lambda = \mathbf{0.075\ W/mk}$ as per EN 12667                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Air permeability</b>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>PM1</b> ( $\leq 30\ m^3/hm^2$ ) as per DIN 18177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Clean room</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <br>A+<br><br>E1<br>                                                                                                                                                                                                                                                                               |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Cleanability</b>                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |
| <b>Sustainability</b>                                     | <br>EN ISO 14021<br>36.9 - 37%<br><br>EN ISO 14025<br><br>EC 1272/2008 Annex G<br><br>M1+<br><br>TRUE ANGEL<br>www.blauer-engel.de/uz132 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                      |                  |      |     |     |      |      |      |                                                       |      |      |      |      |      |      |                         |      |      |      |      |      |      |



## DATASHEET

# AMF THERMATEX® Alpha HD 19mm



- AMF THERMATEX® Alpha HD 19mm offers a modern, white appearance and is the optimal solution for spaces that need a combination of excellent sound absorption and good sound attenuation
- Excellent sound absorption (0.90 a<sub>w</sub>)
- Good sound attenuation (34 dB)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms, learning applications and corridors



# DATASHEET

## AMF THERMATEX® Alpha HD 19mm

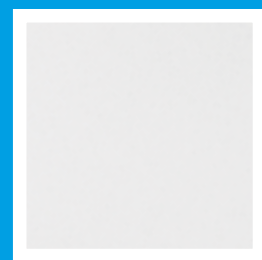
|                                                           |      |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|-----------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------|-----|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br>Additional edge details on request |      | Board                                                                                                                                                                                                                                                                                                                                                            | Tegular 24/90                                                                                             | Tegular 15/90                                                                                                                         | SL2                                                                                                                                                                           | Finesse                                            |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|                                                           |      |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                     |      | 19                                                                                                                                                                                                                                                                                                                                                               | 19                                                                                                        | 19                                                                                                                                    | 19                                                                                                                                                                            | 19                                                 |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b>                                    |      | 600 x 600<br>625 x 625<br>675 x 675<br>1200 x 300<br>1200 x 600<br>1250 x 625<br>1500 x 600<br>1800 x 600                                                                                                                                                                                                                                                        | 600 x 600<br>625 x 625<br>675 x 675<br>1200 x 300<br>1200 x 600<br>1250 x 625<br>1500 x 600<br>1800 x 600 | 600 x 600<br>625 x 625<br>675 x 675<br>1200 x 300<br>1200 x 600<br>1250 x 625<br>1350 x 300<br>1350 x 600<br>1500 x 600<br>1800 x 600 | 1350 x 300<br>1350 x 600<br>1500 x 300<br>1800 x 300<br>2000 x 300                                                                                                            | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625 |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                             |      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                   |                                                                                                           | Exposed, demountable - System C<br>Exposed - Bandraster, demountable - System I.3<br>Exposed - Corridor, demountable - System F.3     | Semi-concealed planks, demountable - System I.3<br>Semi-concealed planks - Bandraster, demountable - System I.2<br>Semi-concealed planks - Corridor, demountable - System F.2 | Concealed, demountable - System A.2 / A.3          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                             |      | 5.2 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                          |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                             |      | <br>White                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                   |      | EN ISO 354<br>$\alpha_w = 0.90$ as per EN ISO 11654 - <b>Class A</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.50</td><td>0.70</td><td>0.80</td><td>0.90</td><td>1.00</td><td>1.00</td></tr></table><br>NRC = <b>0.85</b> as per ASTM C 423 |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.50 | 0.70 | 0.80 | 0.90 | 1.00 | 1.00 |
| Frequency f (Hz)                                          | 125  | 250                                                                                                                                                                                                                                                                                                                                                              | 500                                                                                                       | 1000                                                                                                                                  | 2000                                                                                                                                                                          | 4000                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                | 0.50 | 0.70                                                                                                                                                                                                                                                                                                                                                             | 0.80                                                                                                      | 0.90                                                                                                                                  | 1.00                                                                                                                                                                          | 1.00                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                  |      | EN ISO 10848-2<br>$D_{n,f,w} = 34 \text{ dB}$ as per EN ISO 717-1<br>CAC = <b>35 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                     |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                    |      | EN ISO 10140-2<br>$R_w = 17 \text{ dB}$ as per EN ISO 717-1                                                                                                                                                                                                                                                                                                      |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                      |      | Euroclass <b>A2-s1, d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                     |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                  |      | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                               |      | $\lambda = 0.060 \text{ W/mk}$ as per EN 12667                                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Air permeability</b>                                   |      | <b>PM1</b> ( $\leq 30 \text{ m}^3/\text{hm}^2$ ) as per DIN 18177                                                                                                                                                                                                                                                                                                |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                |      | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                    |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                         |      | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                               |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                 |      | <br>A+                                                                                                                                                                                                                                                                                                                                                           | <br>E1                                                                                                    | <br>INDOOR AIR COMFORT<br><b>GOLD</b><br>CERTIFIED PRODUCT                                                                            |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                       |      |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                     |      | <br>EN ISO 14021<br>49.1%                                                                                                                                                                                                                                                                                                                                        | <br>EN ISO 14025                                                                                          | <br>EC 1272/2008 Annex Q                                                                                                              | <br>RTS - EMISSION CLASS FOR BUILDING MATERIAL - M1                                                                                                                           | <br>BRONZE                                         |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|                                                           |      | <br>www.blauer-engel.de/uz132                                                                                                                                                                                                                                                                                                                                    |                                                                                                           |                                                                                                                                       |                                                                                                                                                                               |                                                    |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |

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## DATASHEET

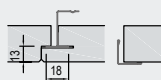
# AMF THERMATEX® Alpha HD 30mm



- AMF THERMATEX® Alpha HD 30mm offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption and sound attenuation
- Excellent sound absorption ( $0.90 \alpha_w$ )
- Excellent sound attenuation (40 dB)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications

# DATASHEET

## AMF THERMATEX® Alpha HD 30mm

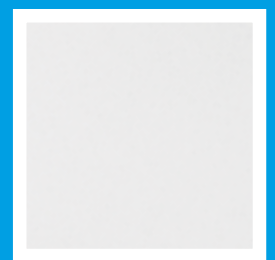
|                                                           |                                                                                     |                                                                                                                                                        |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Edge details</b><br>Additional edge details on request |    | Board                                                                                                                                                  | Tegular 24/90                                                                                       | Tegular 15/90                                                                                                                     | SL2                                                                                                                                                                           | Finesse                                                                                        |                                                                                       |                                                                          |
|                                                           |                                                                                     |                                                                       |                    |                                                  |                                                                                            |             |    |                                                                          |
| <b>Thickness (mm)</b>                                     |    | 30                                                                                                                                                     | 30                                                                                                  | 30                                                                                                                                | 30                                                                                                                                                                            | 30                                                                                             |                                                                                       |                                                                          |
| <b>Dimensions (mm)</b>                                    |    | 600 x 600<br>625 x 625<br>675 x 675<br>1200 x 600<br>1250 x 625                                                                                        | 600 x 600<br>625 x 625<br>675 x 675<br>1200 x 600<br>1250 x 625                                     | 600 x 600<br>625 x 625<br>675 x 675<br>1200 x 600<br>1250 x 625<br>1350 x 300<br>1350 x 600                                       | 1350 x 300<br>1350 x 600<br>1500 x 300<br>1800 x 300<br>2000 x 300                                                                                                            | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625                                             |                                                                                       |                                                                          |
| <b>System</b>                                             |    | Exposed demountable - System C                                                                                                                         |                                                                                                     | Exposed, demountable - System C<br>Exposed - Bandraster, demountable - System I.3<br>Exposed - Corridor, demountable - System F.3 | Semi-concealed planks, demountable - System I.3<br>Semi-concealed planks - Bandraster, demountable - System I.2<br>Semi-concealed planks - Corridor, demountable - System F.2 | Concealed, demountable - System A.2 / A.3                                                      |                                                                                       |                                                                          |
| <b>Weight</b>                                             |    | 8.2 kg / m <sup>2</sup>                                                                                                                                |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Colour</b>                                             |    | <br>White                                                             |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Sound absorption</b>                                   |   | EN ISO 354<br>$\alpha_w = \mathbf{0.90}$ as per EN ISO 11654 - <b>Class A</b><br>Frequency f (Hz)<br>$\alpha_p$<br>NRC = <b>0.90</b> as per ASTM C 423 |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
|                                                           |                                                                                     |                                                                                                                                                        | 125                                                                                                 | 250                                                                                                                               | 500                                                                                                                                                                           | 1000                                                                                           | 2000                                                                                  | 4000                                                                     |
|                                                           |                                                                                     |                                                                                                                                                        | 0.55                                                                                                | 0.70                                                                                                                              | 0.85                                                                                                                                                                          | 1.00                                                                                           | 1.00                                                                                  | 1.00                                                                     |
| <b>Sound attenuation</b>                                  |  | EN ISO 10848-2<br>$D_{n,f,w} = \mathbf{40\ dB}$ as per EN ISO 717-1<br>CAC = <b>41 dB</b> as per ASTM E 413-10                                         |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Sound reduction</b>                                    |  | EN ISO 10140-2<br>$R_w = \mathbf{22\ dB}$ as per EN ISO 717-1                                                                                          |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Fire reaction</b>                                      |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1                                                                                                           |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Light reflectance</b>                                  |  | <b>88%</b>                                                                                                                                             |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Thermal conductivity</b>                               |  | $\lambda = \mathbf{0.060\ W/mk}$ as per EN 12667                                                                                                       |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Air permeability</b>                                   |  | <b>PM1</b> ( $\leq 30\ m^3/hm^2$ ) as per DIN 18177                                                                                                    |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Humidity resistance</b>                                |  | <b>95% RH</b>                                                                                                                                          |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Clean room</b>                                         |  | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                     |                                                                                                     |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Indoor air quality</b>                                 |  | <br>A+                                                              | <br>E1           |                                                |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Cleanability</b>                                       |  |                                                                     |                  |                                                                                                                                   |                                                                                                                                                                               |                                                                                                |                                                                                       |                                                                          |
| <b>Sustainability</b>                                     |  | <br>49.9%                                                           | <br>EN ISO 14025 | <br>EC 1272/2008 Annex G                       | <br>M1                                                                                     | <br>BRONZE |  | <a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a> |

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## DATASHEET

# AMF THERMATEX® Alpha HD 35mm



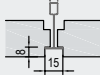
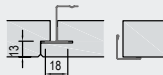
- AMF THERMATEX® Alpha HD 35mm offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption and sound attenuation
- Excellent sound absorption ( $0.90 \alpha_w$ )

- Excellent sound attenuation (42 dB)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications



# DATASHEET

## AMF THERMATEX® Alpha HD 35mm

|                                    |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
|------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----|------|------|------|------------|------|------|------|------|------|------|
| Edge details                       |    | Board                                                                                                                                                                                                                                                                                                                                                            | Tegular 24/90                                                                                       | Tegular 15/90                                                                                                                    | SL2                                                                                                                                                                          |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Additional edge details on request |                                                                                     |                                                                                                                                                                                                                                                                                 |                    |                                               |                                                                                           |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Thickness (mm)                     |    | 35                                                                                                                                                                                                                                                                                                                                                               | 35                                                                                                  | 35                                                                                                                               | 35                                                                                                                                                                           |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Dimensions (mm)                    |    | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625                                                                                                                                                                                                                                                                                                               | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625                                                  | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625<br>1350 x 300<br>1350 x 600                                                   | 1350 x 300<br>1350 x 600<br>1500 x 300<br>1800 x 300<br>2000 x 300                                                                                                           |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| System                             |    | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                   |                                                                                                     | Exposed, demountable - System C<br>Exposed - Bandraster, demountable - System I.3<br>Exposed - Corridor, demountable -System F.3 | Semi-concealed planks, demountable - System I.3<br>Semi-concealed planks - Bandraster, demountable - System I.2<br>Semi-concealed planks - Corridor, demountable -System F.2 |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Weight                             |    | 9.5 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                          |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Colour                             |    | <br>White                                                                                                                                                                                                                                                                       |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Sound absorption                   |    | EN ISO 354<br>$\alpha_w = 0.90$ as per EN ISO 11654 - <b>Class A</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.40</td><td>0.65</td><td>0.85</td><td>1.00</td><td>1.00</td><td>1.00</td></tr></table><br>NRC = <b>0.85</b> as per ASTM C 423 |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              | Frequency f (Hz)                                                                                                   | 125                                                                                                                         | 250                                                                      | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.40 | 0.65 | 0.85 | 1.00 | 1.00 | 1.00 |
| Frequency f (Hz)                   | 125                                                                                 | 250                                                                                                                                                                                                                                                                                                                                                              | 500                                                                                                 | 1000                                                                                                                             | 2000                                                                                                                                                                         | 4000                                                                                                               |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                         | 0.40                                                                                | 0.65                                                                                                                                                                                                                                                                                                                                                             | 0.85                                                                                                | 1.00                                                                                                                             | 1.00                                                                                                                                                                         | 1.00                                                                                                               |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Sound attenuation                  |  | EN ISO 10848-2<br>$D_{n,f,w} = 42$ dB as per EN ISO 717-1<br><br>CAC = <b>44</b> dB as per ASTM E 413-10                                                                                                                                                                                                                                                         |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Sound reduction                    |  | EN ISO 10140-2<br>$R_w = 25$ dB as per EN ISO 717-1                                                                                                                                                                                                                                                                                                              |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Fire reaction                      |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                     |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Light reflectance                  |  | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Thermal conductivity               |  | $\lambda = 0.060$ W/mk as per EN 12667                                                                                                                                                                                                                                                                                                                           |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Air permeability                   |  | <b>PM1</b> ( $\leq 30$ m <sup>3</sup> /hm <sup>2</sup> ) as per DIN 18177                                                                                                                                                                                                                                                                                        |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Humidity resistance                |  | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Clean room                         |  | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                               |                                                                                                     |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Indoor air quality                 |  | <br>A+                                                                                                                                                                                                                                                                        | <br>E1           |                                               |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Cleanability                       |  |                                                                                                                                                                                                                                                                               |                  |                                                                                                                                  |                                                                                                                                                                              |                                                                                                                    |                                                                                                                             |                                                                          |     |      |      |      |            |      |      |      |      |      |      |
| Sustainability                     |                                                                                     | <br>EN ISO 14021<br>50.4%                                                                                                                                                                                                                                                     | <br>EN ISO 14025 | <br>EC 1272/2008 Annex G                      | <br>M1<br>REMISSION CLASS FOR BUILDING MATERIALS                                          | <br>cradle to cradle<br>BRONZE | <br>BLUE ANGEL<br>THE GERMAN ECO LABEL | <a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a> |     |      |      |      |            |      |      |      |      |      |      |

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## DATASHEET

# AMF THERMATEX® Alpha One

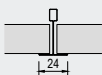
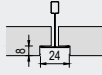
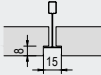


- AMF THERMATEX® Alpha One offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption
- Excellent sound absorption ( $1.00 \alpha_w$ )

- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications

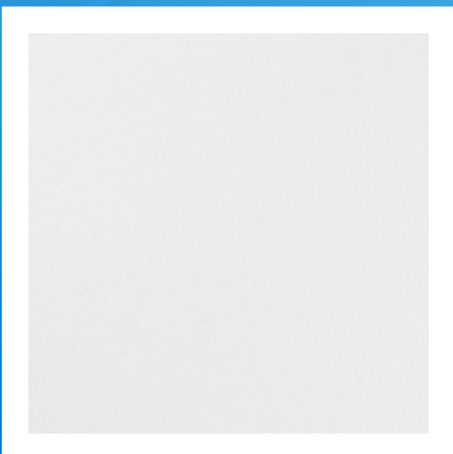
# DATASHEET

## AMF THERMATEX® Alpha One

|                                    |                                                                                     |                                                                                                              |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
|------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--|--|--|
| Edge details                       |    | Board                                                                                                        | Tegular 24/90                                                                                       |                                                                                                             |                                                                                           |                                                                                                | Tegular 15/90                                                                                                                                                     |      |  |  |  |
| Additional edge details on request |                                                                                     |                             |                   |                                                                                                             |                                                                                           |                                                                                                |                                                                                |      |  |  |  |
| Thickness (mm)                     |    | 24                                                                                                           | 24                                                                                                  |                                                                                                             |                                                                                           |                                                                                                | 24                                                                                                                                                                |      |  |  |  |
| Dimensions (mm)                    |    | 600 x 600<br>625 x 625<br>1200 x 600                                                                         | 600 x 600<br>625 x 625<br>1200 x 600                                                                |                                                                                                             |                                                                                           |                                                                                                | 600 x 600<br>625 x 625<br>1200 x 600                                                                                                                              |      |  |  |  |
| System                             |    | Exposed demountable - System C                                                                               |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Weight                             |    | 4.0 kg / m <sup>2</sup>                                                                                      |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Colour                             |    | <br>White                   |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Sound absorption                   |    | EN ISO 354 $\alpha_w = 1.00$ as per EN ISO 11654 - <b>Class A</b>                                            |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
|                                    |                                                                                     | Frequency f (Hz)                                                                                             | 125                                                                                                 | 250                                                                                                         | 500                                                                                       | 1000                                                                                           | 2000                                                                                                                                                              | 4000 |  |  |  |
|                                    |                                                                                     | $\alpha_p$                                                                                                   | 0.55                                                                                                | 0.85                                                                                                        | 1.00                                                                                      | 0.95                                                                                           | 1.00                                                                                                                                                              | 1.00 |  |  |  |
|                                    |                                                                                     | NRC = <b>1.00</b> as per ASTM C 423                                                                          |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Sound attenuation                  |    | EN ISO 10848-2<br>$D_{n,f,w} = 29$ dB as per EN ISO 717-1                                                    |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Sound reduction                    |    | EN ISO 10140-2<br>$R_w = 17$ dB as per EN ISO 717-1                                                          |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Fire reaction                      |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84                              |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Light reflectance                  |  | <b>88%</b>                                                                                                   |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Thermal conductivity               |  | $\lambda = 0.040$ W/mk as per EN 12667                                                                       |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Air permeability                   |  | <b>PM1</b> ( $\leq 30$ m <sup>3</sup> /hm <sup>2</sup> ) as per DIN 18177                                    |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Humidity resistance                |  | <b>95% RH</b>                                                                                                |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Clean room                         |  | <b>ISO 4</b> as per EN ISO 14644-1                                                                           |                                                                                                     |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Indoor air quality                 |  | <br>A+                    | <br>E1           |                          |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Cleanability                       |  |                           |                  |                                                                                                             |                                                                                           |                                                                                                |                                                                                                                                                                   |      |  |  |  |
| Sustainability                     |                                                                                     | <br>EN ISO 14021<br>50.8% | <br>EN ISO 14025 | <br>EC 1272/2008 Annex Q | <br>M1 | <br>BRONZE | <br><a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a> |      |  |  |  |



## ARMSTRONG PERLA

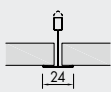
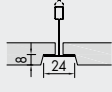
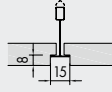


- Armstrong PERLA is a C2C Bronze certified range with a smooth laminated finish providing balanced acoustic performance of both sound absorption and sound attenuation
- Good sound absorption (0.65(H)  $\alpha_w$ ) and sound attenuation (36 dB)
- Excellent light reflectance (88%)
- ISO 5
- Ideal for office and learning applications





# ARMSTRONG PERLA

|                                                               |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                                | Board<br>                                                                                                                                                                                                                                                                                   | Tegular 24<br>              | Tegular 15/90<br>                                                                                                                                                                                                                         |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                                | 17                                                                                                                                                                                                                                                                                                                                                                           | 17                                                                                                           | 17                                                                                                                                                                                                                                                                                                                           |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                                | 600 x 600                                                                                                                                                                                                                                                                                                                                                                    | 600 x 600                                                                                                    | 600 x 600                                                                                                                                                                                                                                                                                                                    |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |                                | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                               |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                                | 4.6 kg / m²                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                                | White                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                                | EN ISO 354<br>$\alpha_w = \mathbf{0.65(H)}$ as per EN ISO 11654 - <b>Class C</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.40</td><td>0.45</td><td>0.60</td><td>0.80</td><td>0.90</td><td>0.90</td></tr></table><br>NRC = <b>0.70</b> as per ASTM C 423 |                                                                                                              |                                                                                                                                                                                                                                                                                                                              | Frequency f (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.40 | 0.45 | 0.60 | 0.80 | 0.90 | 0.90 |
| Frequency f (Hz)                                              | 125                                                                                                             | 250                                                                                                                                                                                                                                                                                                                                                                          | 500                                                                                                          | 1000                                                                                                                                                                                                                                                                                                                         | 2000             | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.40                                                                                                            | 0.45                                                                                                                                                                                                                                                                                                                                                                         | 0.60                                                                                                         | 0.80                                                                                                                                                                                                                                                                                                                         | 0.90             | 0.90 |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                              | EN ISO 10848-2<br>$D_{n,f,w} = \mathbf{36\ dB}$ as per EN ISO 717-1<br><br>CAC = <b>37 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                           |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |                              | EN ISO 10140-2<br>$R_w = \mathbf{18\ dB}$ as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                              | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><br>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                                                            |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                              | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |                              | $\lambda = \mathbf{0.060\ W/mk}$ as per EN 12667                                                                                                                                                                                                                                                                                                                             |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Air permeability</b>                                       |                              | <b>PM1 (<math>\leq 30\ m^3/hm^2</math>)</b> as per DIN 18177                                                                                                                                                                                                                                                                                                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                              | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                             |                              | <b>ISO 5</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                           |                                                                                                              |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                              | <br>A+                                                                                                                                                                                                                                                                                    | <br>E1                    | <br>IACG                                                                                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                              |                                                                                                                                                                                                                                                                                           |                           |                                                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <br>EN ISO 14021<br>39 - 41% | <br>EN ISO 14025                                                                                                                                                                                                                                                                          | <br>EC 1272/2008 Annex II | <br>BEST EMISSION CLASS FOR BUILDING MATERIAL<br><br><br>BRONZE |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |

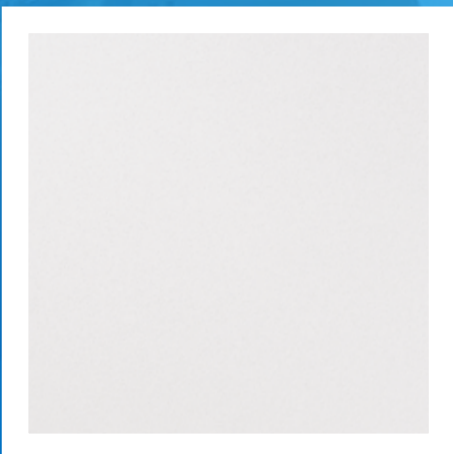
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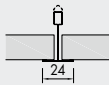
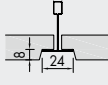
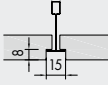


## ARMSTRONG PERLA dB

- Armstrong PERLA dB is a C2C Bronze certified range with a smooth laminated finish providing enhanced sound attenuation performance for improving the privacy between adjacent spaces
- Good sound absorption (0.60(H)  $\alpha_w$ )
- Excellent light reflectance (88%)
- ISO 5
- Ideal for individual offices



# ARMSTRONG PERLA dB

|                                    |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| Edge details                       |                                                      | Board<br>                                                                                                                                                                                                                                                                                                                    | Tegular 24<br>                                | Tegular 15/90<br>                                                                                                                                                                                                                                                                                              |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Additional edge details on request |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Thickness (mm)                     |                                                      | 19                                                                                                                                                                                                                                                                                                                                                                                                            | 19                                                                                                                             | 19                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Dimensions (mm)                    |                                                      | 600 x 600                                                                                                                                                                                                                                                                                                                                                                                                     | 600 x 600                                                                                                                      | 600 x 600                                                                                                                                                                                                                                                                                                                                                                                         |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Additional sizes on request        |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| System                             |                                                      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Weight                             |                                                      | 8.1 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Colour                             |                                                      | White                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Sound absorption                   |                                                      | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>0.60(H)</b> as per EN ISO 11654 - <b>Class C</b></div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.40</td><td>0.40</td><td>0.55</td><td>0.75</td><td>0.85</td><td>0.95</td></tr></table> <div>NRC = <b>0.65</b> as per ASTM C 423</div> |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   | Frequency f (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.40 | 0.40 | 0.55 | 0.75 | 0.85 | 0.95 |
| Frequency f (Hz)                   | 125                                                                                                                                   | 250                                                                                                                                                                                                                                                                                                                                                                                                           | 500                                                                                                                            | 1000                                                                                                                                                                                                                                                                                                                                                                                              | 2000             | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                         | 0.40                                                                                                                                  | 0.40                                                                                                                                                                                                                                                                                                                                                                                                          | 0.55                                                                                                                           | 0.75                                                                                                                                                                                                                                                                                                                                                                                              | 0.85             | 0.95 |     |     |      |      |      |            |      |      |      |      |      |      |
| Sound attenuation                  |                                                    | <div>EN ISO 10848-2</div> <div><math>D_{n,f,w}</math> = <b>41 dB</b> as per EN ISO 717-1</div> <div>CAC = <b>42 dB</b> as per ASTM E 413-10</div>                                                                                                                                                                                                                                                             |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Sound reduction                    |                                                    | <div>EN ISO 10140-2</div> <div><math>R_w</math> = <b>21 dB</b> as per EN ISO 717-1</div>                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Fire reaction                      |                                                    | <div>Euroclass <b>A2-s1, d0</b> as per EN 13501-1</div> <div>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ</div>                                                                                                                                                                                                                                                                                              |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Light reflectance                  |                                                    | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Thermal conductivity               |                                                    | $\lambda$ = <b>0.075 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Air permeability                   |                                                    | <b>PM1 (<math>\leq 30</math> m<sup>3</sup>/hm<sup>2</sup>)</b> as per DIN 18177                                                                                                                                                                                                                                                                                                                               |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Humidity resistance                |                                                    | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Clean room                         |                                                    | <b>ISO 5</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Indoor air quality                 |                                                    | <div></div> <div>A+</div>                                                                                                                                                                                                                                                                                                  | <div></div> <div>E1</div>                   | <div></div> <div>IACG</div>                                                                                                                                                                                                                                                                                    |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Cleanability                       |                                                    |                                                                                                                                                                                                                                                                                                                            |                                             |                                                                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Sustainability                     | <div></div> <div>EN ISO 14021</div> <div>39%</div> | <div></div> <div>EN ISO 14025</div>                                                                                                                                                                                                                                                                                        | <div></div> <div>EC 1272/2008 Annex O</div> | <div></div> <div>M1</div> <div></div> <div>www.blauer-engel.de/uz132</div> <div></div> <div>cradle to cradle</div> <div>BRONZE</div> |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |

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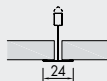
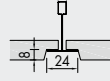
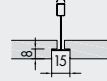
## ARMSTRONG PERLA OP 0.95

- Armstrong PERLA OP 0.95 is a Cradle to Cradle Certified® Bronze range with a smooth laminated finish and excellent Class A sound absorption, making it ideal for open plan areas
- Excellent sound absorption (0.95  $\alpha_w$ )
- PERLA OP 19mm planks are available, see separate datasheet
- Good light reflectance (85%)
- ISO 5
- Ideal for open spaces (call centres, libraries, cafeterias, etc.)





# ARMSTRONG PERLA OP 0.95

|                                                               |                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------|------|-----|-----|------|------|------|---------------------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                                       | Board<br>                                                                                                                                                                                                                                                                                                                                       | Tegular 24<br>                               | Tegular 15/90<br>             |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                                       | 15                                                                                                                                                                                                                                                                                                                                                                                                                               | 15                                                                                                                            | 15                                                                                                               |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                                       | 600 x 600<br>675 x 675<br>1200 x 600                                                                                                                                                                                                                                                                                                                                                                                             | 600 x 600<br>675 x 675<br>1200 x 600                                                                                          | 600 x 600<br>675 x 675<br>1200 x 600                                                                             |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>System</b>                                                 |                                       | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                                       | 2.4 - 2.6 kg/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                                       | White                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                                       | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>0.95</b> as per EN ISO 11654 - <b>Class A</b></div> <table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math> Board, Tegular</td><td>0.45</td><td>0.80</td><td>0.95</td><td>0.90</td><td>1.00</td><td>1.00</td></tr></table> <div>NRC = <b>0.90</b> as per ASTM C 423</div> |                                                                                                                               |                                                                                                                  | Frequency <i>f</i> (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ Board, Tegular | 0.45 | 0.80 | 0.95 | 0.90 | 1.00 | 1.00 |
| Frequency <i>f</i> (Hz)                                       | 125                                                                                                                    | 250                                                                                                                                                                                                                                                                                                                                                                                                                              | 500                                                                                                                           | 1000                                                                                                             | 2000                    | 4000 |     |     |      |      |      |                           |      |      |      |      |      |      |
| $\alpha_p$ Board, Tegular                                     | 0.45                                                                                                                   | 0.80                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.95                                                                                                                          | 0.90                                                                                                             | 1.00                    | 1.00 |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                                     | <div>EN ISO 10848-2</div> <div><math>D_{n,f,w}</math> = <b>25 dB</b> as per EN ISO 717-1</div> <div>CAC = <b>25 dB</b> as per ASTM E 413-10</div>                                                                                                                                                                                                                                                                                |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |                                     | <div>EN ISO 10140-2</div> <div><math>R_w</math> = <b>12 dB</b> as per EN ISO 717-1</div>                                                                                                                                                                                                                                                                                                                                         |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                                     | <div>Euroclass <b>A2-s1, d0</b> as per EN 13501-1</div> <div><b>Class A</b> as per ASTM E 84</div> <div>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ</div>                                                                                                                                                                                                                                                                      |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                                     | <b>85%</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |                                     | $\lambda$ = <b>0.040 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                                     | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Clean room</b>                                             |                                     | <b>ISO 5</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                                     | <div></div> <div>A+</div>                                                                                                                                                                                                                                                                                                                     | <div></div> <div>E1</div>                  | <div></div> <div>IACG</div>   |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                                     |                                                                                                                                                                                                                                                                                                                                               |                                            |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <div></div> <div>EN ISO 14021</div> | <div></div> <div>EN ISO 14025</div>                                                                                                                                                                                                                                                                                                           | <div></div> <div>EC 127/2008 Annex G</div> | <div></div> <div>BRONZE</div> |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |
| 44 - 66%                                                      |                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                               |                                                                                                                  |                         |      |     |     |      |      |      |                           |      |      |      |      |      |      |

Products may vary from country to country.  
Please contact your local sales representative.  
For further information and legal notice, please visit our website.

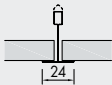
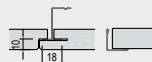


## ARMSTRONG PERLA OP 19mm

- Armstrong PERLA OP 19mm Planks provide a smooth white laminated finish, and with excellent Class A sound absorption and good sound attenuation, they are the ideal solution for both open plan and corridor applications
- Excellent sound absorption (0.90  $\alpha_w$ ) and good sound attenuation (34 dB)
- Good light reflectance (85%)
- ISO 5
- Ideal for open spaces (call centres, libraries, cafeterias, etc.) as well as corridors



# ARMSTRONG PERLA OP 19mm

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|------|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Board<br>                                                                                                                                                                                                                                                                              | SL2<br>                                                                                     |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 19                                                                                                                                                                                                                                                                                                                                                                      | 19                                                                                                                                                                            |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1500 x 600<br>1800 x 600                                                                                                                                                                                                                                                                                                                                                | 1500 x 300<br>1800 x 300                                                                                                                                                      |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Exposed demountable - System C<br>Exposed - Bandraster, demountable - System I.3<br>Exposed - Corridor, demountable - System F.3                                                                                                                                                                                                                                        | Semi-concealed planks, demountable - System I.3<br>Semi-concealed planks - Bandraster, demountable - System I.2<br>Semi-concealed planks - Corridor, demountable - System F.2 |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5.2 kg / m²                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | White                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | EN ISO 354<br>$\alpha_w$ = <b>0.90</b> as per EN ISO 11654 - <b>Class A</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.45</td><td>0.70</td><td>0.80</td><td>0.90</td><td>1.00</td><td>1.00</td></tr></table><br>NRC = <b>0.85</b> as per ASTM C 423 |                                                                                                                                                                               | Frequency f (Hz) | 125  | 250  | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.45 | 0.70 | 0.80 | 0.90 | 1.00 | 1.00 |
| Frequency f (Hz)                                              | 125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 250                                                                                                                                                                                                                                                                                                                                                                     | 500                                                                                                                                                                           | 1000             | 2000 | 4000 |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.70                                                                                                                                                                                                                                                                                                                                                                    | 0.80                                                                                                                                                                          | 0.90             | 1.00 | 1.00 |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>34 dB</b> as per EN ISO 717-1<br><br>CAC = <b>35 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                         |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><br>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                                                       |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>85%</b>                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | $\lambda$ = <b>0.060 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Air permeability</b>                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>PM1 (<math>\leq 30\text{ m}^3/\text{hm}^2</math>)</b> as per DIN 18177                                                                                                                                                                                                                                                                                               |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>ISO 5</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <div>A+E1IACG</div>                                                                                            |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         |  EN ISO 14021<br>38%  EN ISO 14025  ISO 14001  M1  BLUE ANGEL  CRADLE TO CRADLE | <a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a>                                                                                                                                                                                                                                                                                                |                                                                                                                                                                               |                  |      |      |     |      |      |      |            |      |      |      |      |      |      |

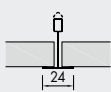
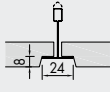
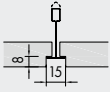
# ARMSTRONG PERLA OP 1.00

- Armstrong PERLA OP 1.00 is a C2C Bronze certified range with a smooth laminated finish and offers excellent sound absorption ( $1.00 \alpha_w$ ), making it ideal for open plan areas
- Excellent sound absorption ( $1.00 \alpha_w$ )
- Good light reflectance (85%)
- ISO 4
- Ideal for open spaces (call centres, libraries, cafeterias, etc.)





# ARMSTRONG PERLA OP 1.00

|                                    |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
|------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b>                |    | Board<br>                                                                                                                                                                                                                                                                                     | Tegular 24<br>     | Tegular 15/90<br>                                                                                                                          |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Additional edge details on request |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>              |    | 20                                                                                                                                                                                                                                                                                                                                                                             | 20                                                                                                  | 20                                                                                                                                                                                                                            |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b>             |    | 600 x 600<br>675 x 675<br>1200 x 600                                                                                                                                                                                                                                                                                                                                           | 600 x 600<br>675 x 675<br>1200 x 600                                                                | 600 x 600<br>675 x 675<br>1200 x 600                                                                                                                                                                                          |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| Additional sizes on request        |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                      |    | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                 |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                      |    | 3.1 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                        |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                      |    | White                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>            |    | EN ISO 354<br>$\alpha_w$ = <b>1.00</b> as per EN ISO 11654 - <b>Class A</b><br><table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.50</td><td>0.85</td><td>0.95</td><td>0.95</td><td>1.00</td><td>1.00</td></tr></table><br>NRC = <b>0.95</b> as per ASTM C 423 |                                                                                                     |                                                                                                                                                                                                                               | Frequency <i>f</i> (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.50 | 0.85 | 0.95 | 0.95 | 1.00 | 1.00 |
| Frequency <i>f</i> (Hz)            | 125                                                                                 | 250                                                                                                                                                                                                                                                                                                                                                                            | 500                                                                                                 | 1000                                                                                                                                                                                                                          | 2000                    | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                         | 0.50                                                                                | 0.85                                                                                                                                                                                                                                                                                                                                                                           | 0.95                                                                                                | 0.95                                                                                                                                                                                                                          | 1.00                    | 1.00 |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>           |  | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>25 dB</b> as per EN ISO 717-1<br><br>CAC = <b>25 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                                |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>             |  | EN ISO 10140-2<br>$R_w$ = <b>12 dB</b> as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                     |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>               |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><br>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                                                              |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>           |  | <b>85%</b>                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>        |  | $\lambda$ = <b>0.040 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                  |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>         |  | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                  |  | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>          |  | <br>A+                                                                                                                                                                                                                                                                                      | <br>E1           | <br>IACG                                                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                |  |                                                                                                                                                                                                                                                                                             |                  |                                                                                                                                                                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>              |  | <br>73%                                                                                                                                                                                                                                                                                     | <br>EN ISO 14025 | <br>ISO 17065 Annex G<br><br>cradle to cradle<br>BRONZE |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |



## DATASHEET

# Antaris



- Antaris is a white, laminated mineral tile and offers Class A sound absorption. Antaris provides fire protection and a hygienic ceiling solution
- Excellent sound absorption ( $0.90 \alpha_w$ )
- High light reflectance (86%)
- ISO 5
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

# DATASHEET

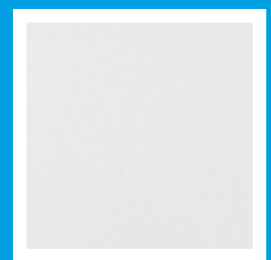
## Antaris

|                                                           |  |                                                                                                                                                                                                                                                                                                                                                                |                                      |                                      |
|-----------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|
| <b>Edge details</b><br>Additional edge details on request |  | Board<br>                                                                                                                                                                                                                                                                                                                                                      | Tegular 24/90<br>                    | Tegular 15/90<br>                    |
| <b>Thickness (mm)</b>                                     |  | 15                                                                                                                                                                                                                                                                                                                                                             | 15                                   | 15                                   |
| <b>Dimensions (mm)</b><br>Additional sizes on request     |  | 600 x 600<br>675 x 675<br>1200 x 600                                                                                                                                                                                                                                                                                                                           | 600 x 600<br>675 x 675<br>1200 x 600 | 600 x 600<br>675 x 675<br>1200 x 600 |
| <b>System</b>                                             |  | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                 |                                      |                                      |
| <b>Weight</b>                                             |  | 2.9 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                        |                                      |                                      |
| <b>Colour</b>                                             |  | <br>White                                                                                                                                                                                                                                                                                                                                                      |                                      |                                      |
| <b>Sound absorption</b>                                   |  | EN ISO 354 <span style="float: right;"><math>\alpha_w = \mathbf{0.90}</math> as per EN ISO 11654 - <b>Class A</b></span><br>Frequency f (Hz) <span style="float: right;">125    250    500    1000    2000    4000</span><br>$\alpha_p$ <span style="float: right;">0.50    0.80    0.85    0.85    1.00    1.00</span><br>NRC = <b>0.90</b> as per ASTM C 423 |                                      |                                      |
| <b>Sound attenuation</b>                                  |  | EN ISO 10848-2<br>$D_{n,f,w} = \mathbf{28\ dB}$ as per EN ISO 717-1 <span style="float: right;">CAC = <b>29 dB</b> as per ASTM E 413-10</span>                                                                                                                                                                                                                 |                                      |                                      |
| <b>Sound reduction</b>                                    |  | EN ISO 10140-2<br>$R_w = \mathbf{13\ dB}$ as per EN ISO 717-1                                                                                                                                                                                                                                                                                                  |                                      |                                      |
| <b>Fire reaction</b>                                      |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84                                                                                                                                                                                                                                                                                |                                      |                                      |
| <b>Light reflectance</b>                                  |  | <b>86%</b>                                                                                                                                                                                                                                                                                                                                                     |                                      |                                      |
| <b>Thermal conductivity</b>                               |  | $\lambda = \mathbf{0.040\ W/mk}$ as per EN 12667                                                                                                                                                                                                                                                                                                               |                                      |                                      |
| <b>Humidity resistance</b>                                |  | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                  |                                      |                                      |
| <b>Clean room</b>                                         |  | <b>ISO 5</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                             |                                      |                                      |
| <b>Indoor air quality</b>                                 |  |                                                                                                                                                                                                                                                                                                                                                                |                                      |                                      |
| <b>Cleanability</b>                                       |  |                                                                                                                                                                                                                                                                                                                                                                |                                      |                                      |
| <b>Sustainability</b>                                     |  |                                                                                                                                                                                                                                                                                                                                                                |                                      |                                      |



## DATASHEET

# Antaris C



- Antaris C tiles are made from a new generation biosoluble mineral wool, clay and starch and offers excellent fire resistance. The smooth, white laminate finish provides good levels of sound absorption for acoustic comfort
- Good sound absorption ( $0.70 \alpha_w$ )
- High light reflectance (86%)
- ISO 5
- Ideal for retail, offices and meeting rooms, installation rooms or production areas



# DATASHEET

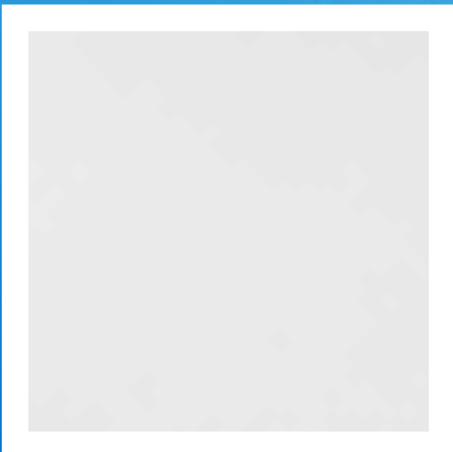
## Antaris C

|                                                           |  |                                                                            |                                             |                                                     |                                         |                                                                          |      |      |
|-----------------------------------------------------------|--|----------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------|------|------|
| <b>Edge details</b><br>Additional edge details on request |  |                                                                            |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Thickness (mm)</b>                                     |  | 13                                                                         | 13                                          | 13                                                  |                                         |                                                                          |      |      |
| <b>Dimensions (mm)</b><br>Additional sizes on request     |  | 600 x 600<br>1200 x 600                                                    | 600 x 600                                   | 600 x 600                                           |                                         |                                                                          |      |      |
| <b>System</b>                                             |  | Exposed demountable - System C                                             |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Weight</b>                                             |  | 3.0 kg / m <sup>2</sup>                                                    |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Colour</b>                                             |  | <br>White                                                                  |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Sound absorption</b>                                   |  | EN ISO 354 $\alpha_w = \mathbf{0.70}$ as per EN ISO 11654 - <b>Class C</b> |                                             |                                                     |                                         |                                                                          |      |      |
|                                                           |  | Frequency f (Hz)                                                           | 125                                         | 250                                                 | 500                                     | 1000                                                                     | 2000 | 4000 |
|                                                           |  | $\alpha_p$                                                                 | 0.40                                        | 0.55                                                | 0.60                                    | 0.75                                                                     | 0.95 | 1.00 |
|                                                           |  | NRC = <b>0.70</b> as per ASTM C 423                                        |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Sound attenuation</b>                                  |  | EN ISO 10848-2<br>$D_{n,f,w} = \mathbf{30\ dB}$ as per EN ISO 717-1        |                                             |                                                     | CAC = <b>30 dB</b> as per ASTM E 413-10 |                                                                          |      |      |
| <b>Sound reduction</b>                                    |  | EN ISO 10140-2<br>$R_w = \mathbf{18\ dB}$ as per EN ISO 717-1              |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Fire reaction</b>                                      |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1                               |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Light reflectance</b>                                  |  | <b>86%</b>                                                                 |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Thermal conductivity</b>                               |  | $\lambda = \mathbf{0.060\ W/mk}$ as per EN 12667                           |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Humidity resistance</b>                                |  | <b>90% RH</b>                                                              |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Clean room</b>                                         |  | <b>ISO 5</b> as per EN ISO 14644-1                                         |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Indoor air quality</b>                                 |  | <br>A+                                                                     | <br>E1                                      | <br>INDOOR AIR COMFORT<br>GOLD<br>CERTIFIED PRODUCT |                                         |                                                                          |      |      |
| <b>Cleanability</b>                                       |  |                                                                            |                                             |                                                     |                                         |                                                                          |      |      |
| <b>Sustainability</b>                                     |  | <br>EN ISO 14021<br>43%                                                    | <br>BIOSOLUBLE WOOL<br>EC 1272/2008 Annex Q | <br>M1+<br>EMMISSION CLASS FOR BUILDING MATERIALS   | <br>BLUE ANGEL<br>DE GRIMA TOLANZ       | <a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a> |      |      |

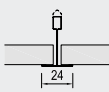
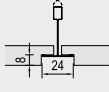
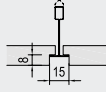


## AMF THERMATEX® Thermofon

- AMF THERMATEX® Thermofon features a smooth, white laminated finish and modern design visual. It provides high sound absorption for enhanced acoustic comfort
- High sound absorption (0.80 (H)  $\alpha_w$ )
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications

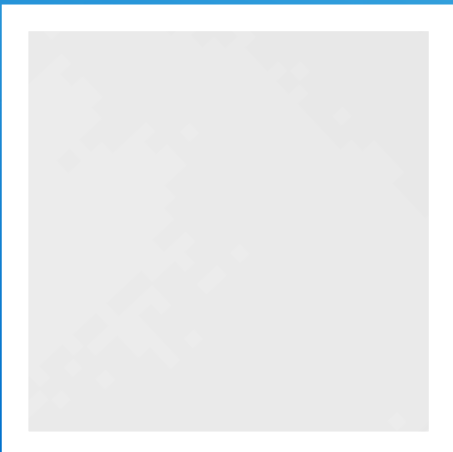


# AMF THERMATEX® THERMOFON

|                                                               |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------|-----|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |           | Board<br>                                                                                                                                                                                                                                                                                  | Tegular 24/90<br>          |                                                                                             | Tegular 15/90<br> |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |           | 15                                                                                                                                                                                                                                                                                                                                                                          | 15                                                                                                          |                                                                                             | 15                                                                                                   |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |           | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625                                                                                                                                                                                                                                                                                                                          | 600 x 600<br>625 x 625<br>1200 x 600                                                                        |                                                                                             | 600 x 600<br>625 x 625<br>1200 x 600                                                                 |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |           | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                              |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |           | 2.9 kg / m²                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |           | White                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |           | EN ISO 354<br>$\alpha_w$ = <b>0.80 (H)</b> as per EN ISO 11654 - <b>Class B</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.55</td><td>0.75</td><td>0.75</td><td>0.80</td><td>0.95</td><td>1.00</td></tr></table><br>NRC = <b>0.85</b> as per ASTM C 423 |                                                                                                             |                                                                                             |                                                                                                      |                                                                          | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.55 | 0.75 | 0.75 | 0.80 | 0.95 | 1.00 |
| Frequency f (Hz)                                              | 125                                                                                        | 250                                                                                                                                                                                                                                                                                                                                                                         | 500                                                                                                         | 1000                                                                                        | 2000                                                                                                 | 4000                                                                     |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.55                                                                                       | 0.75                                                                                                                                                                                                                                                                                                                                                                        | 0.75                                                                                                        | 0.80                                                                                        | 0.95                                                                                                 | 1.00                                                                     |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |         | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>28 dB</b> as per EN ISO 717-1<br><br>CAC = <b>29 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                             |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |         | EN ISO 10140-2<br>$R_w$ = <b>13 dB</b> as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                  |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |         | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84<br><br>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                        |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |         | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |         | $\lambda$ = <b>0.040 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                               |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |         | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                               |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                             |         | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                          |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |         | <br>A+                                                                                                                                                                                                                                                                                   | <br>E1                   | <br>IACG |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |         |                                                                                                                                                                                                                                                                                          |                                                                                                             |                                                                                             |                                                                                                      |                                                                          |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <br>42% | <br>EN ISO 14025                                                                                                                                                                                                                                                                         | <br>EC 1272/2008 Annex Q | <br>M1+  |                 | <a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a> |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |



## AMF TOPIQ® Prime

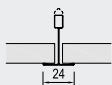
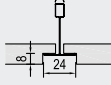
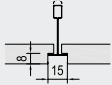


- AMF TOPIQ® Prime is a very light stone wool panel with a modern, smooth surface.
- Excellent sound absorption ( $0.95 \alpha_w$ )
- Excellent light reflectance (88%)
- ISO 5
- Ideal for offices, retail, classrooms, learning applications and underground garages



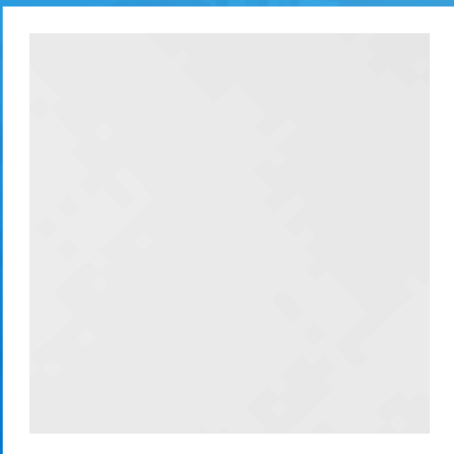


# AMF TOPIQ® PRIME

|                                                       |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b>                                   |                              | Board<br>                                                                                                                                                                                                                                                                              | Tegular 24/90<br>                                 | Tegular 15/90<br>                                                             |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                 |                              | 15                                                                                                                                                                                                                                                                                                                                                                      | 15                                                                                                                                 | 15                                                                                                                                                               |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br>Additional sizes on request |                              | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625                                                                                                                                                                                                                                                                                                                      | 600 x 600<br>625 x 625<br>1200 x 600                                                                                               | 600 x 600<br>625 x 625<br>1200 x 600                                                                                                                             |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                         |                              | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                         |                              | 2.1 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                         |                              | White                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                               |                              | EN ISO 354<br>$\alpha_w$ = <b>0.95</b> as per EN ISO 11654 - <b>Class A</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.50</td><td>0.85</td><td>0.95</td><td>0.90</td><td>1.00</td><td>1.00</td></tr></table><br>NRC = <b>0.90</b> as per ASTM C 423 |                                                                                                                                    |                                                                                                                                                                  | Frequency f (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.50 | 0.85 | 0.95 | 0.90 | 1.00 | 1.00 |
| Frequency f (Hz)                                      | 125                                                                                                           | 250                                                                                                                                                                                                                                                                                                                                                                     | 500                                                                                                                                | 1000                                                                                                                                                             | 2000             | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                            | 0.50                                                                                                          | 0.85                                                                                                                                                                                                                                                                                                                                                                    | 0.95                                                                                                                               | 0.90                                                                                                                                                             | 1.00             | 1.00 |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                              |                             | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>24 dB</b> as per EN ISO 717-1<br><br>CAC = <b>24 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                         |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                |                            | EN ISO 10140-2<br>$R_w$ = <b>13 dB</b> as per EN ISO 717-1                                                                                                                                                                                                                                                                                                              |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                  |                            | Euroclass <b>A1</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84<br><br>RUS <b>KM2 (G1, V2, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                           |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                              |                            | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                            |                            | <b>100% RH</b>                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                     |                            | <b>ISO 5</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                    |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                             |                            | <br>A                                                                                                                                                                                                                                                                                | <br>E1                                          | <br>IAC                                                                       |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                   |                            |                                                                                                                                                                                                                                                                                      |                                                 |                                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                 | <br>EN ISO 14021<br>32-33% | <br>BIOSOLUBLE WOOL<br>EC 1272/2008 Annex G                                                                                                                                                                                                                                          | <br>M1<br>EMISSION CLASS FOR BUILDING MATERIALS | <br><a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a> |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |



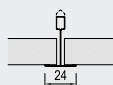
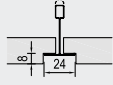
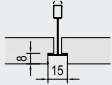
## AMF TOPIQ® Efficient Pro



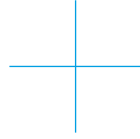
- AMF TOPIQ® Efficient Pro is a very light stone wool panel with a modern, smooth surface.
- Excellent sound absorption ( $1.00 \alpha_w$ )
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms, learning applications and underground garages



# AMF TOPIQ® EFFICIENT PRO

|                                                               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                              | Board<br>                                                                                                                                                                                                                                                                                                                 | Tegular 24/90<br>                                                      | Tegular 15/90<br>                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                              | 20                                                                                                                                                                                                                                                                                                                                                                                                         | 20                                                                                                                                                      | 20                                                                                                                                                  |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                              | 600 x 600<br>625 x 625<br>1200 x 600                                                                                                                                                                                                                                                                                                                                                                       | 600 x 600<br>625 x 625<br>1200 x 600                                                                                                                    | 600 x 600<br>625 x 625<br>1200 x 600                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |                              | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                              | 2.8 kg / m²                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                              | White                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                              | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>1.00</b> as per EN ISO 11654 - <b>Class A</b></div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.45</td><td>0.90</td><td>1.00</td><td>0.95</td><td>1.00</td><td>1.00</td></tr></table> <div>NRC = <b>0.95</b> as per ASTM C 423</div> |                                                                                                                                                         |                                                                                                                                                     | Frequency f (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.45 | 0.90 | 1.00 | 0.95 | 1.00 | 1.00 |
| Frequency f (Hz)                                              | 125                                                                                                           | 250                                                                                                                                                                                                                                                                                                                                                                                                        | 500                                                                                                                                                     | 1000                                                                                                                                                | 2000             | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.45                                                                                                          | 0.90                                                                                                                                                                                                                                                                                                                                                                                                       | 1.00                                                                                                                                                    | 0.95                                                                                                                                                | 1.00             | 1.00 |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                             | <div>EN ISO 10848-2</div> <div><math>D_{n,f,w}</math> = <b>25 dB</b> as per EN ISO 717-1</div> <div>CAC = <b>25 dB</b> as per ASTM E 413-10</div>                                                                                                                                                                                                                                                          |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |                            | <div>EN ISO 10140-2</div> <div><math>R_w</math> = <b>15 dB</b> as per EN ISO 717-1</div>                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                            | <div>Euroclass <b>A1</b> as per EN 13501-1</div> <div>RUS <b>KM2 (G1, V2, D1, T1)</b> as per 123-FZ</div>                                                                                                                                                                                                                                                                                                  |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                            | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                            | <b>100% RH</b>                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                             |                            | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                         |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                            | <div></div> <div>A</div>                                                                                                                                                                                                                                                                                                | <div></div> <div>E1</div>                                            | <div></div> <div>IAC</div>                                       |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                            |                                                                                                                                                                                                                                                                                                                         |                                                                      |                                                                                                                                                     |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <div></div> <div>33%</div> | <div></div> <div>BIOSOLUBLE WOOL<br/>EN ISO 14021<br/>EC 1272/2008 Annex G</div>                                                                                                                                                                                                                                        | <div></div> <div>M1<br/>EMMISSION CLASS FOR BUILDING MATERIALS</div> | <div></div> <div>BLUE ANGEL<br/>www.blauer-engel.de/uz132</div> |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |

# Healthcare & Hygiene







UNDER CONSTANT SCRUTINY AND DEMANDING THE HIGHEST LEVELS OF COMFORT AND CLEANLINESS, HEALTHCARE SETTINGS GO THROUGH CONTINUAL CHANGES TO ENSURE THE BEST POSSIBLE ENVIRONMENT FOR PATIENTS AND HEALTHCARE PROFESSIONALS.

Reaching the essential criteria for individual risk zones, our easy-to-clean products deliver a strong acoustic performance, with impressive sound-absorbing and sound-blocking properties to help create privacy, as well as bring in daylight to reduce in-patient time.

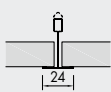
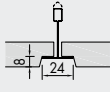
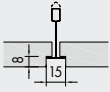


## ARMSTRONG BIOGUARD ACOUSTIC OP

- Armstrong BIOGUARD ACOUSTIC OP is suitable for demanding healthcare applications requiring Class A sound absorption and stringent cleaning methods: dry steam and damp cloth using standard detergents. It does not contribute to the growth of MRSA
- Excellent sound absorption ( $0.95 \alpha_w$ )
- Good light reflectance (85%)
- ISO 3
- Ideal for healthcare environments with severe risk of infection



# ARMSTRONG BIOGUARD ACOUSTIC OP

|                                                               |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                                                      | Board<br>                                                                                                                                                                                                                                                                                                                 | Tegular 24<br>                                                              | Tegular 15/90<br>                                                                                                                                                           |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                                                      | 20                                                                                                                                                                                                                                                                                                                                                                                                         | 20                                                                                                                                                           | 20                                                                                                                                                                                                                                                             |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                                                      | 600 x 600<br>1200 x 600                                                                                                                                                                                                                                                                                                                                                                                    | 600 x 600<br>1200 x 600                                                                                                                                      | 600 x 600<br>1200 x 600                                                                                                                                                                                                                                        |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |                                                      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                                                      | 3.3 kg / m²                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                                                      | White                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                                                      | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>0.95</b> as per EN ISO 11654 - <b>Class A</b></div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.55</td><td>0.85</td><td>0.95</td><td>0.90</td><td>1.00</td><td>1.00</td></tr></table> <div>NRC = <b>0.95</b> as per ASTM C 423</div> |                                                                                                                                                              |                                                                                                                                                                                                                                                                | Frequency f (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.55 | 0.85 | 0.95 | 0.90 | 1.00 | 1.00 |
| Frequency f (Hz)                                              | 125                                                                                                                                   | 250                                                                                                                                                                                                                                                                                                                                                                                                        | 500                                                                                                                                                          | 1000                                                                                                                                                                                                                                                           | 2000             | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.55                                                                                                                                  | 0.85                                                                                                                                                                                                                                                                                                                                                                                                       | 0.95                                                                                                                                                         | 0.90                                                                                                                                                                                                                                                           | 1.00             | 1.00 |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                                                    | <div>EN ISO 10848-2</div> <div><math>D_{n,f,w}</math> = <b>25 dB</b> as per EN ISO 717-1</div> <div>CAC = <b>25 dB</b> as per ASTM E 413-10</div>                                                                                                                                                                                                                                                          |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                                                    | <div>Euroclass <b>A2-s1, d0</b> as per EN 13501-1</div> <div><b>Class A</b> as per ASTM E 84</div> <div>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ</div>                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                                                    | <b>85%</b>                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |                                                    | $\lambda$ = <b>0.040 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                                                    | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                             |                                                    | <b>ISO 3</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                              |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                                                    | <div></div> <div>A+</div>                                                                                                                                                                                                                                                                                               | <div></div> <div>E1</div>                                                 | <div></div> <div>IACG</div>                                                                                                                                                 |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                                                    |                                                                                                                                                                                                                                                                                                                         |                                                                           |    |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <div></div> <div>EN ISO 14021</div> <div>70%</div> | <div></div> <div>EN ISO 14025</div>                                                                                                                                                                                                                                                                                     | <div></div> <div>BIODEGRADABLE WOOL</div> <div>EC 1272/2008 Annex Q</div> |                                                                                                                                                                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |



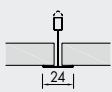
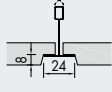
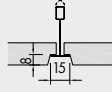
# ARMSTRONG BIOGUARD ACOUSTIC



- Armstrong BIOGUARD ACOUSTIC combines excellent cleanability, resistance to disinfectants and sound absorption. Along with its antimicrobial performance, it is an ideal solution for healthcare environments
- Good sound absorption (0.60(H)  $\alpha_w$ ) and sound attenuation (36 dB)
- Good light reflectance (85%)
- ISO 4
- Ideal for healthcare environments with average or severe risk of infection



# ARMSTRONG BIOGUARD ACOUSTIC

|                                                               |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                                                      | Board<br>                                                                                                                                                                                                                                                                                                                    | Tegular 24<br>                                  | Tegular 15<br>              |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                                                      | 17                                                                                                                                                                                                                                                                                                                                                                                                            | 17                                                                                                                               | 17                                                                                                             |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                                                      | 600 x 600<br>1200 x 600                                                                                                                                                                                                                                                                                                                                                                                       | 600 x 600<br>1200 x 600                                                                                                          | 600 x 600<br>1200 x 600                                                                                        |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |                                                      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                                                      | 4.5 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                                                      | White                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                                                      | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>0.60(H)</b> as per EN ISO 11654 - <b>Class C</b></div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.35</td><td>0.40</td><td>0.50</td><td>0.70</td><td>0.85</td><td>0.90</td></tr></table> <div>NRC = <b>0.60</b> as per ASTM C 423</div> |                                                                                                                                  |                                                                                                                | Frequency f (Hz)                                                                     | 125                                                                                   | 250                                                                                   | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.35 | 0.40 | 0.50 | 0.70 | 0.85 | 0.90 |
| Frequency f (Hz)                                              | 125                                                                                                                                   | 250                                                                                                                                                                                                                                                                                                                                                                                                           | 500                                                                                                                              | 1000                                                                                                           | 2000                                                                                 | 4000                                                                                  |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.35                                                                                                                                  | 0.40                                                                                                                                                                                                                                                                                                                                                                                                          | 0.50                                                                                                                             | 0.70                                                                                                           | 0.85                                                                                 | 0.90                                                                                  |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                                                    | <div>EN ISO 10848-2</div> <div><math>D_{n,f,w}</math> = <b>36 dB</b> as per EN ISO 717-1</div> <div>CAC = <b>37 dB</b> as per ASTM E 413-10</div>                                                                                                                                                                                                                                                             |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |                                                    | <div>EN ISO 10140-2</div> <div><math>R_w</math> = <b>18 dB</b> as per EN ISO 717-1</div>                                                                                                                                                                                                                                                                                                                      |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                                                    | <div>Euroclass <b>A2-s1, d0</b> as per EN 13501-1</div> <div>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ</div>                                                                                                                                                                                                                                                                                              |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                                                    | <b>85%</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |                                                    | $\lambda$ = <b>0.060 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                                                    | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                             |                                                    | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                  |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                                                    | <div></div> <div>A+</div>                                                                                                                                                                                                                                                                                                  | <div></div> <div>E1</div>                     | <div></div> <div>IACG</div> |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                                                    |                                                                                                                                                                                                                                                                                                                            |                                               |                             |  |  |  |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <div></div> <div>EN ISO 14021</div> <div>42%</div> | <div></div> <div>EN ISO 14025</div>                                                                                                                                                                                                                                                                                        | <div></div> <div>ISO 12722/2008 Annex G</div> |                                                                                                                |                                                                                      |                                                                                       |                                                                                       |     |      |      |      |            |      |      |      |      |      |      |





## ARMSTRONG BIOGUARD PLAIN 15mm

- Armstrong BIOGUARD PLAIN combines excellent cleanability and resistance to disinfectants. Along with its antimicrobial performance, it is an ideal solution for healthcare environments
- Good sound attenuation (35 dB)
- Excellent light reflectance (87%)
- ISO 5
- Ideal for healthcare environments with average or severe risk of infection



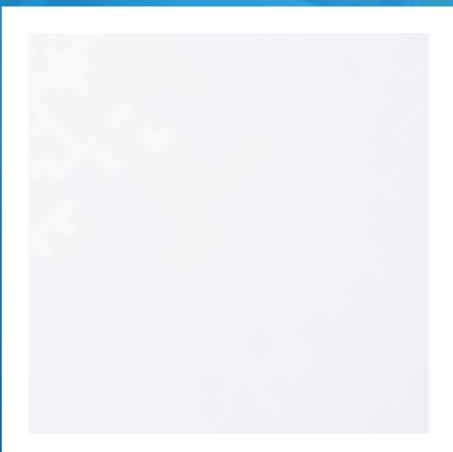
# ARMSTRONG BIOGUARD PLAIN 15mm

|                                                           |      |                                                                                                                                                                                                                                                                                                                                                                        |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
|-----------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|------------------|------|-----|-----|------|------|------|----------------|------|------|------|------|------|------|
| <b>Edge details</b><br>Additional edge details on request |      | Board<br>                                                                                                                                                                                                                                                                                                                                                              | Tegular 24<br>          | Tegular 15<br>          |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                     |      | 15                                                                                                                                                                                                                                                                                                                                                                     | 15                      | 15                      |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br>Additional sizes on request     |      | 600 x 600<br>1200 x 600                                                                                                                                                                                                                                                                                                                                                | 600 x 600<br>1200 x 600 | 600 x 600<br>1200 x 600 |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>System</b>                                             |      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                         |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Weight</b>                                             |      | 3.5 - 3.6 kg / m²                                                                                                                                                                                                                                                                                                                                                      |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Colour</b>                                             |      | White                                                                                                                                                                                                                                                                                                                                                                  |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Sound absorption</b>                                   |      | EN ISO 354<br>α <sub>w</sub> = <b>0.20(L)</b> as per EN ISO 11654 - <b>Class E</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>α<sub>p</sub></td><td>0.40</td><td>0.25</td><td>0.15</td><td>0.15</td><td>0.20</td><td>0.30</td></tr></table><br>NRC = <b>0.20</b> as per ASTM C 423 |                         |                         | Frequency f (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | α <sub>p</sub> | 0.40 | 0.25 | 0.15 | 0.15 | 0.20 | 0.30 |
| Frequency f (Hz)                                          | 125  | 250                                                                                                                                                                                                                                                                                                                                                                    | 500                     | 1000                    | 2000             | 4000 |     |     |      |      |      |                |      |      |      |      |      |      |
| α <sub>p</sub>                                            | 0.40 | 0.25                                                                                                                                                                                                                                                                                                                                                                   | 0.15                    | 0.15                    | 0.20             | 0.30 |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                  |      | EN ISO 10848-2<br>D <sub>n,f,w</sub> = <b>35 dB</b> as per EN ISO 717-1<br><br>CAC = <b>35 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                 |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Sound reduction</b>                                    |      | EN ISO 10140-2<br>R <sub>w</sub> = <b>19 dB</b> as per EN ISO 717-1                                                                                                                                                                                                                                                                                                    |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Fire reaction</b>                                      |      | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><br>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                                                      |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Light reflectance</b>                                  |      | <b>87%</b>                                                                                                                                                                                                                                                                                                                                                             |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                               |      | λ = <b>0.060 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                  |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                |      | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                          |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Clean room</b>                                         |      | <b>ISO 5</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                     |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                 |      | <br>A+                                                                                                                                                                                                                                                                                                                                                                 | <br>E1                  | <br>IACG                |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Cleanability</b>                                       |      |                                                                                                                                                                                                                                                                                                                                                                        |                         |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |
| <b>Sustainability</b>                                     |      | <br>EN ISO 14021<br>31 - 42%                                                                                                                                                                                                                                                                                                                                           | <br>EPD<br>EN ISO 14025 |                         |                  |      |     |     |      |      |      |                |      |      |      |      |      |      |

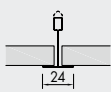
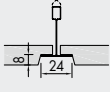
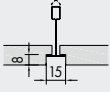


# ARMSTRONG SANIGUARD

- Armstrong SANIGUARD fulfils all hygienic requirements for healthcare applications and does not contribute to the growth of MRSA. It offers a smooth laminated finish and Class A sound absorption
- Excellent sound absorption (0.95  $\alpha_w$ )
- Good light reflectance (85%)
- ISO 5
- Ideal for healthcare environments with average risk of infection



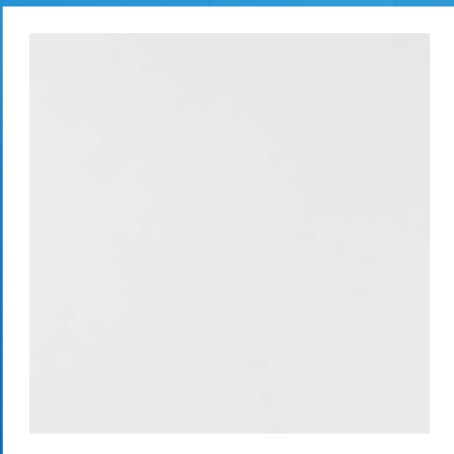
# ARMSTRONG SANIGUARD

|                                                               |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                                                      | Board<br>                                                                                                                                                                                                                                                                                                                 | Tegular 24<br>                                | Tegular 15/90<br>           |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                                                      | 15                                                                                                                                                                                                                                                                                                                                                                                                         | 15                                                                                                                             | 15                                                                                                             |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                                                      | 600 x 600<br>1200 x 600                                                                                                                                                                                                                                                                                                                                                                                    | 600 x 600                                                                                                                      | 600 x 600                                                                                                      |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |                                                      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                                                      | 2.5 kg / m²                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                                                      | White                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                                                      | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>0.95</b> as per EN ISO 11654 - <b>Class A</b></div> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.50</td><td>0.80</td><td>0.95</td><td>0.85</td><td>0.95</td><td>1.00</td></tr></table> <div>NRC = <b>0.90</b> as per ASTM C 423</div> |                                                                                                                                |                                                                                                                | Frequency f (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.50 | 0.80 | 0.95 | 0.85 | 0.95 | 1.00 |
| Frequency f (Hz)                                              | 125                                                                                                                                   | 250                                                                                                                                                                                                                                                                                                                                                                                                        | 500                                                                                                                            | 1000                                                                                                           | 2000             | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.50                                                                                                                                  | 0.80                                                                                                                                                                                                                                                                                                                                                                                                       | 0.95                                                                                                                           | 0.85                                                                                                           | 0.95             | 1.00 |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                                                    | <div>EN ISO 10848-2</div> <div><math>D_{n,f,w}</math> = <b>25 dB</b> as per EN ISO 717-1</div> <div>CAC = <b>25 dB</b> as per ASTM E 413-10</div>                                                                                                                                                                                                                                                          |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                                                    | <div>Euroclass <b>A2-s1, d0</b> as per EN 13501-1</div> <div>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ</div>                                                                                                                                                                                                                                                                                           |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                                                    | <b>85%</b>                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |                                                    | $\lambda$ = <b>0.040 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                                                    | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                             |                                                    | <b>ISO 5</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                                                    | <div></div> <div>A+</div>                                                                                                                                                                                                                                                                                               | <div></div> <div>E1</div>                   | <div></div> <div>IACG</div> |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                                                    |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <div></div> <div>EN ISO 14021</div> <div>66%</div> | <div></div> <div>EN ISO 14025</div>                                                                                                                                                                                                                                                                                     | <div></div> <div>EC 1272/2008 Annex Q</div> |                                                                                                                |                  |      |     |     |      |      |      |            |      |      |      |      |      |      |





## AMF THERMATEX® Aquatec

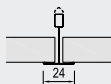
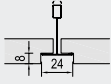
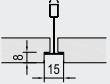
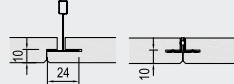


- AMF THERMATEX® Aquatec is the optimal solution for high humidity areas of up to 100% RH. It offers excellent sound absorption, and is suitable for high pressure water cleaning. Its high-quality design makes it the ideal solution for hygiene and healthcare environments
- Excellent sound absorption (0.90  $\alpha_w$ )
- Excellent light reflectance (88%)
- ISO 3
- Ideal for healthcare environments, laboratories, treatment rooms, locker rooms or shower areas





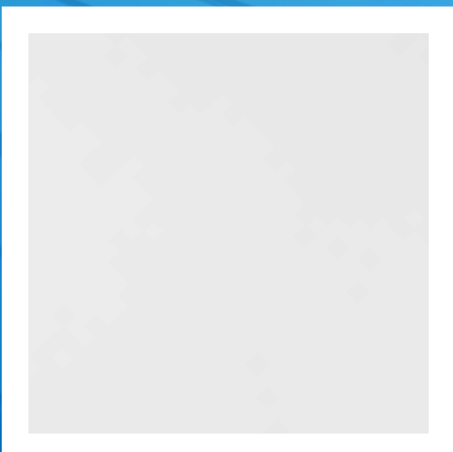
# AMF THERMATEX® AQUATEC

|                                                           |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------|-----|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br>Additional edge details on request |    | Board<br>                                                                                                                                                                                                                                                                                | Tegular 24/90<br> | Tegular 15/90<br> | Finesse<br> |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                     |    | 19                                                                                                                                                                                                                                                                                                                                                                        | 19                                                                                                 | 19                                                                                                 | 19                                                                                            |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br>Additional sizes on request     |    | 600 x 600<br>625 x 625                                                                                                                                                                                                                                                                                                                                                    | 600 x 600<br>625 x 625                                                                             | 600 x 600<br>625 x 625                                                                             | 600 x 600<br>625 x 625                                                                        |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                             |    | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                            |                                                                                                    |                                                                                                    | Concealed, demountable - System A.2 / A.3                                                     |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                             |    | 5.2 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                   |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                             |    | White                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                   |    | EN ISO 354<br>$\alpha_w = \mathbf{0.90}$ as per EN ISO 11654 - <b>Class A</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.60</td><td>0.70</td><td>0.85</td><td>0.90</td><td>1.00</td><td>1.00</td></tr></table><br>NRC = <b>0.90</b> as per ASTM C 423 |                                                                                                    |                                                                                                    |                                                                                               | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.60 | 0.70 | 0.85 | 0.90 | 1.00 | 1.00 |
| Frequency f (Hz)                                          | 125                                                                                 | 250                                                                                                                                                                                                                                                                                                                                                                       | 500                                                                                                | 1000                                                                                               | 2000                                                                                          | 4000             |     |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                | 0.60                                                                                | 0.70                                                                                                                                                                                                                                                                                                                                                                      | 0.85                                                                                               | 0.90                                                                                               | 1.00                                                                                          | 1.00             |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                  |   | EN ISO 10848-2<br>$D_{n,f,w} = \mathbf{29\ dB}$ as per EN ISO 717-1<br><br>CAC = <b>29 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                        |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                    |  | EN ISO 10140-2<br>$R_w = \mathbf{16\ dB}$ as per EN ISO 717-1                                                                                                                                                                                                                                                                                                             |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                      |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84                                                                                                                                                                                                                                                                                           |                                                                                                    |                                                                                                    | RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                 |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                  |  | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                               |  | $\lambda = \mathbf{0.060\ W/mk}$ as per EN 12667                                                                                                                                                                                                                                                                                                                          |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Air permeability</b>                                   |  | <b>PM1</b> ( $\leq 30\ \text{m}^3/\text{hm}^2$ ) as per DIN 18177                                                                                                                                                                                                                                                                                                         |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                |  | <b>100% RH</b>                                                                                                                                                                                                                                                                                                                                                            |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                         |  | <b>ISO 3</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                        |                                                                                                    |                                                                                                    |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                 |  | <br>A+                                                                                                                                                                                                                                                                                 | <br>E1          | <br>IACG        |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                       |  |                                                                                                                                                                                                                                                                                        |                 |                 |                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                     |  |                                                                                                                                                                                                                                                                                        |                 |                 | <a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a>                      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |



## AMF THERMATEX® Aquatec Hygena

- AMF THERMATEX® Aquatec Hygena is the ideal solution for high humidity areas of up to 100% RH. It offers excellent sound absorption, and its washable, high quality design makes it the ideal solution for hygiene and healthcare environments. The surface is washable and anti-microbial (resistant to the growth of germs, bacteria and fungi)
- Excellent sound absorption (0.90  $\alpha_w$ )
- Excellent light reflectance (88%)
- ISO 3
- Ideal for healthcare environments, laboratories, treatment rooms, intensive care units, locker rooms or shower areas



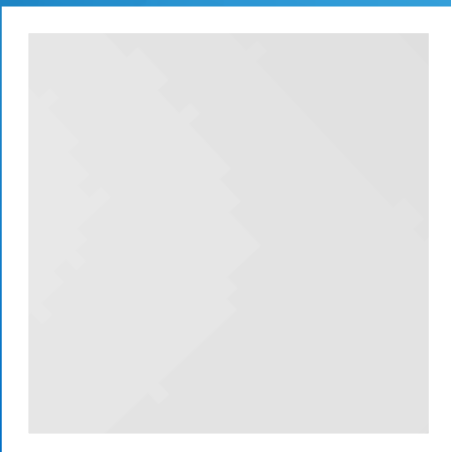
# AMF THERMATEX® AQUATEC HYGENA

|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|------|------|----------------|------|------|------|------|------|------|
| <div>Edge details</div> <div>Additional edge details on request</div> | <div></div> <div>Board</div> <div></div>                                                                                                                                                                                                                                                                                                                                           |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Thickness (mm)</div>                                             | <div></div> <div>19</div>                                                                                                                                                                                                                                                                                                                                                          |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Dimensions (mm)</div> <div>Additional sizes on request</div>     | <div></div> <div>600 x 600<br/>625 x 625</div>                                                                                                                                                                                                                                                                                                                                     |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>System</div>                                                     | <div></div> <div>Exposed demountable - System C</div>                                                                                                                                                                                                                                                                                                                              |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Weight</div>                                                     | <div></div> <div>5.2 kg / m²</div>                                                                                                                                                                                                                                                                                                                                                 |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Colour</div>                                                     | <div></div> <div>White</div>                                                                                                                                                                                                                                                                                                                                                       |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Sound absorption</div>                                           | <div></div> <div>EN ISO 354<br/>α<sub>w</sub> = <b>0.90</b> as per EN ISO 11654 - <b>Class A</b><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td>α<sub>p</sub></td><td>0.60</td><td>0.70</td><td>0.85</td><td>0.90</td><td>1.00</td><td>1.00</td></tr></table>NRC = <b>0.90</b> as per ASTM C 423</div> | Frequency f (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 | α <sub>p</sub> | 0.60 | 0.70 | 0.85 | 0.90 | 1.00 | 1.00 |
| Frequency f (Hz)                                                      | 125                                                                                                                                                                                                                                                                                                                                                                                | 250              | 500  | 1000 | 2000 | 4000 |      |      |                |      |      |      |      |      |      |
| α <sub>p</sub>                                                        | 0.60                                                                                                                                                                                                                                                                                                                                                                               | 0.70             | 0.85 | 0.90 | 1.00 | 1.00 |      |      |                |      |      |      |      |      |      |
| <div>Sound attenuation</div>                                          | <div></div> <div>EN ISO 10848-2<br/>D<sub>n,f,w</sub> = <b>29 dB</b> as per EN ISO 717-1<br/><br/>CAC = <b>29 dB</b> as per ASTM E 413-10</div>                                                                                                                                                                                                                                    |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Sound reduction</div>                                            | <div></div> <div>EN ISO 10140-2<br/>R<sub>w</sub> = <b>16 dB</b> as per EN ISO 717-1</div>                                                                                                                                                                                                                                                                                         |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Fire reaction</div>                                              | <div></div> <div>Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br/><b>Class A</b> as per ASTM E 84<br/><br/>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ</div>                                                                                                                                                                                                                     |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Light reflectance</div>                                          | <div></div> <div><b>88%</b></div>                                                                                                                                                                                                                                                                                                                                                  |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Thermal conductivity</div>                                       | <div></div> <div>λ = <b>0.060 W/mk</b> as per EN 12667</div>                                                                                                                                                                                                                                                                                                                       |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Air permeability</div>                                           | <div></div> <div><b>PM1</b> (≤ 30 m³/hm²) as per DIN 18177</div>                                                                                                                                                                                                                                                                                                                   |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Humidity resistance</div>                                        | <div></div> <div><b>100% RH</b></div>                                                                                                                                                                                                                                                                                                                                              |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Clean room</div>                                                 | <div></div> <div><b>ISO 3</b> as per EN ISO 14644-1</div>                                                                                                                                                                                                                                                                                                                          |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Indoor air quality</div>                                         | <div><div><div>A+</div></div><div><div>E1</div></div><div><div>IACG</div></div></div>                                                                                                                                                                                                                                                                                              |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Cleanability</div>                                               | <div></div>                                                                                                                                                                                                                                                                                                                                                                        |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |
| <div>Sustainability</div>                                             | <div><div><div>EN ISO 14021</div><div>35%</div></div><div><div>BIOSOLUBLE WOOL</div><div>EC 1272/2008 Annex G</div></div></div>                                                                                                                                                                                                                                                    |                  |      |      |      |      |      |      |                |      |      |      |      |      |      |



## AMF THERMATEX® Thermaclean

- AMF THERMATEX® Thermaclean combines excellent cleanability with good resistance to germs and fungi. It has a laminated finish with a white vinyl foil, that ensures a timeless look
- Good sound attenuation (34 dB)
- ISO 4
- Ideal for healthcare environments, laboratories, treatment rooms, intensive care units



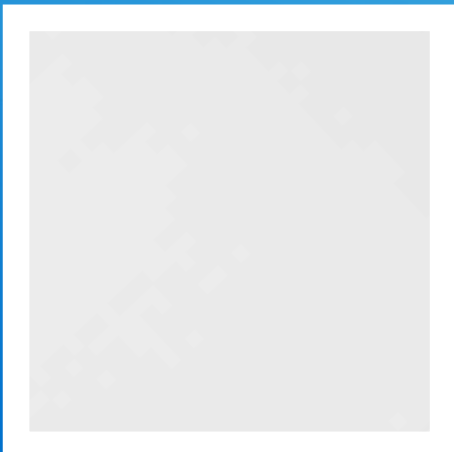
# AMF THERMATEX® THERMACLEAN

|                                                               |             |                                                                                                                                                                                                                                                                                                                                                                |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------|------|------|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |             | Board<br>                                                                                                                                                                                                                                                                                                                                                      |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |             | 15                                                                                                                                                                                                                                                                                                                                                             |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |             | 600 x 600<br>625 x 625                                                                                                                                                                                                                                                                                                                                         |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |             | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                 |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |             | 3.6 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                        |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |             | White                                                                                                                                                                                                                                                                                                                                                          |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |             | EN ISO 354<br>$\alpha_w$ = <b>0.10 (L)</b> as per EN ISO 11654<br><table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.35</td><td>0.20</td><td>0.10</td><td>0.10</td><td>0.10</td><td>0.10</td></tr></table> NRC = <b>0.15</b> as per ASTM C 423 | Frequency <i>f</i> (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 | $\alpha_p$ | 0.35 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 |
| Frequency <i>f</i> (Hz)                                       | 125         | 250                                                                                                                                                                                                                                                                                                                                                            | 500                     | 1000 | 2000 | 4000 |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.35        | 0.20                                                                                                                                                                                                                                                                                                                                                           | 0.10                    | 0.10 | 0.10 | 0.10 |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |             | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>34 dB</b> as per EN ISO 717-1<br><br>CAC = <b>36 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |             | EN ISO 10140-2<br>$R_w$ = <b>19 dB</b> as per EN ISO 717-1                                                                                                                                                                                                                                                                                                     |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |             | Euroclass <b>A2-s3, d0</b> as per EN 13501-1<br><br>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                                              |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |             | <b>81%</b>                                                                                                                                                                                                                                                                                                                                                     |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |             | $\lambda$ = <b>0.060 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                  |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Air permeability</b>                                       |             | <b>PM1</b> ( $\leq 30$ m <sup>3</sup> /hm <sup>2</sup> ) as per DIN 18177                                                                                                                                                                                                                                                                                      |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |             | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                  |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                             |             | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                             |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |             | <br>A+<br><br>E1                                                                                                                                                                                                                                                                                                                                               |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           | <br><br>    |                                                                                                                                                                                                                                                                                                                                                                |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <br>45%<br> |                                                                                                                                                                                                                                                                                                                                                                |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |





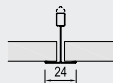
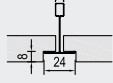
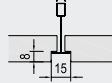
## AMF TOPIQ® Prime Hygena



- AMF TOPIQ® Prime Hygena is a very light stone wool panel with a modern, smooth surface. The surface is washable and anti-microbial (resistant to the growth of germs, bacteria and fungi)
- Excellent sound absorption ( $0.95 \alpha_w$ )
- Excellent light reflectance (88%)
- ISO 5
- Ideal for healthcare facilities in general, kitchens, food industries, laboratories, etc.

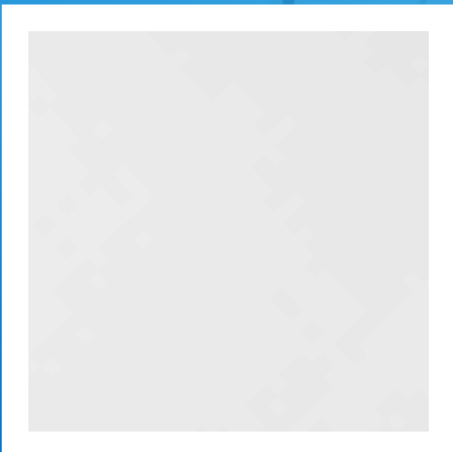


# AMF TOPIQ® PRIME HYGENA

|                                                           |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br>Additional edge details on request |    | Board<br>                                                                                                                                                                                                                                                                                     | Tegular 24/90<br>                             | Tegular 15/90<br>                                                                    |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                     |    | 15                                                                                                                                                                                                                                                                                                                                                                             | 15                                                                                                                             | 15                                                                                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br>Additional sizes on request     |    | 600 x 600<br>625 x 625<br>1250 x 625                                                                                                                                                                                                                                                                                                                                           | 600 x 600<br>625 x 625                                                                                                         | 600 x 600<br>625 x 625                                                                                                                                                  |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                             |    | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                             |    | 2.1 kg/m²                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                             |    | White                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                   |    | EN ISO 354<br>$\alpha_w$ = <b>0.95</b> as per EN ISO 11654 - <b>Class A</b><br><table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.50</td><td>0.85</td><td>0.95</td><td>0.90</td><td>1.00</td><td>1.00</td></tr></table><br>NRC = <b>0.90</b> as per ASTM C 423 |                                                                                                                                |                                                                                                                                                                         | Frequency <i>f</i> (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.50 | 0.85 | 0.95 | 0.90 | 1.00 | 1.00 |
| Frequency <i>f</i> (Hz)                                   | 125                                                                                 | 250                                                                                                                                                                                                                                                                                                                                                                            | 500                                                                                                                            | 1000                                                                                                                                                                    | 2000                    | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                | 0.50                                                                                | 0.85                                                                                                                                                                                                                                                                                                                                                                           | 0.95                                                                                                                           | 0.90                                                                                                                                                                    | 1.00                    | 1.00 |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                  |   | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>24 dB</b> as per EN ISO 717-1<br><br>CAC = <b>24 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                                |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                    |  | EN ISO 10140-2<br>$R_w$ = <b>13 dB</b> as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                     |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                      |  | Euroclass <b>A1</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84<br><br>RUS <b>KM2 (G1, V2, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                                  |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                  |  | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                |  | <b>100% RH</b>                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                         |  | <b>ISO 5</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                 |  | <br>A                                                                                                                                                                                                                                                                                       | <br>E1                                      |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                       |                                                                                     |                                                                                                                                                                                                                                                                                             |                                             |   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                     |                                                                                     | <br>33%                                                                                                                                                                                                                                                                                     | <br>BIOSOLUBLE WOOL<br>EC 1273/2008 Annex Q |                                                                                                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |



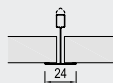
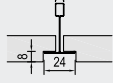
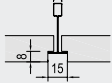
## AMF TOPIQ® Efficient Pro Hygena



- AMF TOPIQ® Efficient Pro Hygena is a very light stone wool panel with a modern, smooth surface. The surface is washable and anti-microbial (resistant to the growth of germs, bacteria and fungi)
- Excellent sound absorption ( $1.00 \alpha_w$ )
- Excellent light reflectance (88%)
- ISO 4
- Ideal for healthcare facilities in general, kitchens, food industries, laboratories, etc.

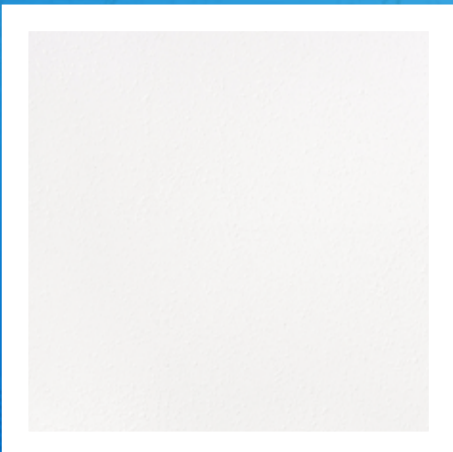


# AMF TOPIQ® EFFICIENT PRO HYGENA

|                                                               |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                                                      | Board<br>                                                                                                                                                                                                                                                                                                                        | Tegular 24/90<br>           | Tegular 15/90<br> |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                                                      | 20                                                                                                                                                                                                                                                                                                                                                                                                                | 20                                                                                                           | 20                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                                                      | 600 x 600<br>1200 x 600                                                                                                                                                                                                                                                                                                                                                                                           | 600 x 600<br>625 x 625                                                                                       | 600 x 600<br>625 x 625                                                                               |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |                                                      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                                                      | 2.8 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                                                      | White                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                                                      | <div>EN ISO 354</div> <div><math>\alpha_w</math> = <b>1.00</b> as per EN ISO 11654 - <b>Class A</b></div> <table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.45</td><td>0.90</td><td>1.00</td><td>0.95</td><td>1.00</td><td>1.00</td></tr></table> <div>NRC = <b>0.95</b> as per ASTM C 423</div> |                                                                                                              |                                                                                                      | Frequency <i>f</i> (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.45 | 0.90 | 1.00 | 0.95 | 1.00 | 1.00 |
| Frequency <i>f</i> (Hz)                                       | 125                                                                                                                                   | 250                                                                                                                                                                                                                                                                                                                                                                                                               | 500                                                                                                          | 1000                                                                                                 | 2000                    | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.45                                                                                                                                  | 0.90                                                                                                                                                                                                                                                                                                                                                                                                              | 1.00                                                                                                         | 0.95                                                                                                 | 1.00                    | 1.00 |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                                                     | <div>EN ISO 10848-2</div> <div><math>D_{n,f,w}</math> = <b>25 dB</b> as per EN ISO 717-1</div> <div>CAC = <b>25 dB</b> as per ASTM E 413-10</div>                                                                                                                                                                                                                                                                 |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |                                                    | <div>EN ISO 10140-2</div> <div><math>R_w</math> = <b>15 dB</b> as per EN ISO 717-1</div>                                                                                                                                                                                                                                                                                                                          |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                                                    | <div>Euroclass <b>A1</b> as per EN 13501-1</div> <div>RUS <b>KM2 (G1, V2, D1, T1)</b> as per 123-FZ</div>                                                                                                                                                                                                                                                                                                         |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                                                    | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                                                    | <b>100% RH</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                                             |                                                    | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                                                    | <div></div> <div>A</div>                                                                                                                                                                                                                                                                                                       | <div></div> <div>E1</div> |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                                                    |                                                                                                                                                                                                                                                                                                                                |                           |                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <div></div> <div>EN ISO 14021</div> <div>33%</div> | <div></div> <div>BIOSOLUBLE WOOL</div> <div>EC 1272/2008 Annex G</div>                                                                                                                                                                                                                                                         |                                                                                                              |                                                                                                      |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |



# ARMSTRONG NEWTONE

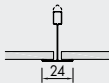


- Armstrong NEWTONE is a hydrated calcium silicate ceiling tile offering 100% RH performance and is suitable for use in areas subject to extremes of humidity and temperature
- High sound attenuation (37 dB)
- Ideal for spas and water parks



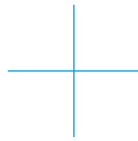


# ARMSTRONG NEWTONE

|                                                               |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                       |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------|------|------|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                                                                                                                                                                                                                                                                | Board<br>                                                                                                                                                                                                                                                                                            |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                                                                                                                                                                                                                                                                | 6                                                                                                                                                                                                                                                                                                                                                                                     |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                                                                                                                                                                                                                                                                | 600 x 600                                                                                                                                                                                                                                                                                                                                                                             |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |                                                                                                                                                                                                                                                                | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                        |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                                                                                                                                                                                                                                                                | 8.0 kg / m²                                                                                                                                                                                                                                                                                                                                                                           |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                                                                                                                                                                                                                                                                | White                                                                                                                                                                                                                                                                                                                                                                                 |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                                                                                                                                                                                                                                                                | EN ISO 354<br>$\alpha_w = \mathbf{0.10(L)}$ as per EN ISO 11654 - <b>Class N/A</b><br><table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.25</td><td>0.15</td><td>0.10</td><td>0.10</td><td>0.10</td><td>0.05</td></tr></table><br>NRC = <b>0.10</b> as per ASTM C 423 | Frequency <i>f</i> (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 | $\alpha_p$ | 0.25 | 0.15 | 0.10 | 0.10 | 0.10 | 0.05 |
| Frequency <i>f</i> (Hz)                                       | 125                                                                                                                                                                                                                                                                                                                                             | 250                                                                                                                                                                                                                                                                                                                                                                                   | 500                     | 1000 | 2000 | 4000 |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.25                                                                                                                                                                                                                                                                                                                                            | 0.15                                                                                                                                                                                                                                                                                                                                                                                  | 0.10                    | 0.10 | 0.10 | 0.05 |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                                                                                                                                                                                                                                                               | EN ISO 10848-2<br>$D_{n,f,w} = \mathbf{37\ dB}$ as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                   |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                                                                                                                                                                                                                                                              | Euroclass <b>A1-s1,d0</b> as per EN 13501-1<br><br>RUS <b>KMO (NG)</b> as per 123-FZ                                                                                                                                                                                                                                                                                                  |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                                                                                                                                                                                                                                                              | <b>84%</b>                                                                                                                                                                                                                                                                                                                                                                            |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                                                                                                                                                                                                                                                              | <b>100% RH</b>                                                                                                                                                                                                                                                                                                                                                                        |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                                                                                                                                                                                                                                                              | <div><br/>A+</div> <div><br/>E1</div>                                                                                                                                                                           |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |     |                                                                                                                                                                                                                                                                                                                                                                                       |                         |      |      |      |      |      |      |            |      |      |      |      |      |      |

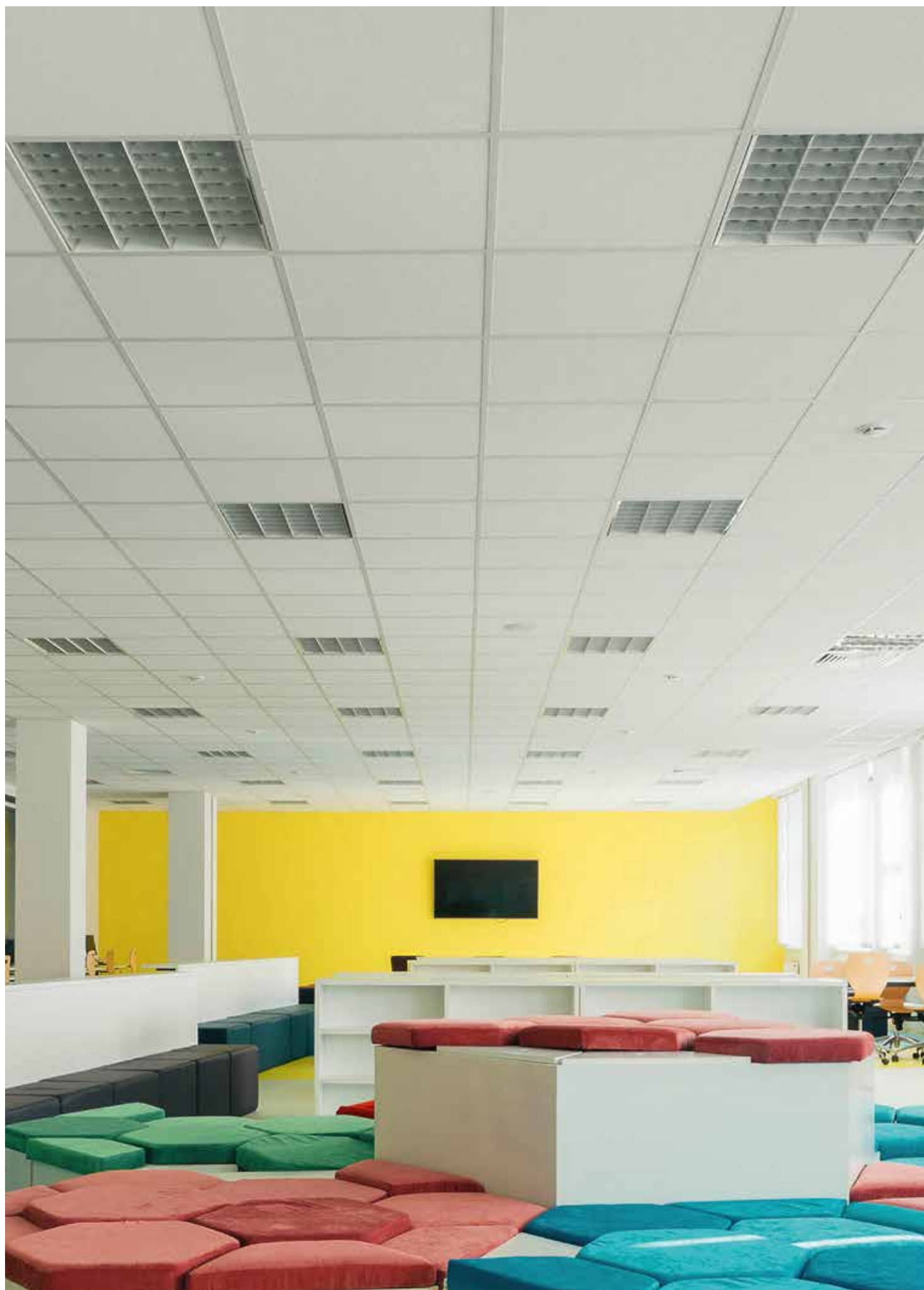
In all environments where humidity conditions could regularly reach and/or exceed 90% RH we recommend the use of 24mm corrosive resistant grid and associated accessories.

# Classic Plain



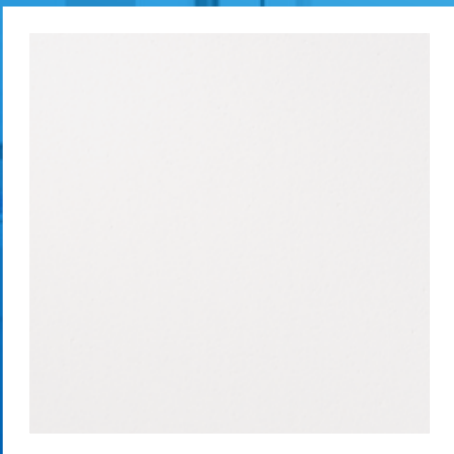
OUR CLASSIC MINERAL RANGE IS AVAILABLE IN PLAIN WHITE, OFFERING MORE REFLECTED DAYLIGHT AND HIGH LEVELS OF SOUND ATTENUATION FOR EXCELLENT ROOM TO ROOM PRIVACY.







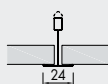
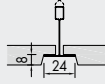
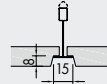
# PLAIN



- PLAIN offers a smooth white surface that meets today's trends for cleaner finishes, whilst maximising light reflectance
- Good sound attenuation (34 dB)
- Excellent light reflectance (88%)
- Ideal for retail environments



# PLAIN

|                                    |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|------------------|-----|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b>                |    | Board                                                                                                                                                                                                                                                                                                                                                                | Tegular 24                                                                                |                                                                                             | Tegular 15                                                                          |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Additional edge details on request |                                                                                     |                                                                                                                                                                                                                                                                                     |          |                                                                                             |  |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>              |    | 15                                                                                                                                                                                                                                                                                                                                                                   | 15                                                                                        |                                                                                             | 15                                                                                  |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b>             |    | 600 x 600<br>1200 x 600                                                                                                                                                                                                                                                                                                                                              | 600 x 600<br>1200 x 600                                                                   |                                                                                             | 600 x 600<br>1200 x 600                                                             |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Additional sizes on request        |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                      |    | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                       |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                      |    | 3.6 - 3.8 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                        |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                      |    | White                                                                                                                                                                                                                                                                                                                                                                |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>            |    | EN ISO 354<br>$\alpha_w$ = <b>0.20(L)</b> as per EN ISO 11654 - <b>Class E</b> <table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.30</td><td>0.25</td><td>0.15</td><td>0.15</td><td>0.25</td><td>0.30</td></tr></table> NRC = <b>0.20</b> as per ASTM C 423 |                                                                                           |                                                                                             |                                                                                     |      | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.30 | 0.25 | 0.15 | 0.15 | 0.25 | 0.30 |
| Frequency f (Hz)                   | 125                                                                                 | 250                                                                                                                                                                                                                                                                                                                                                                  | 500                                                                                       | 1000                                                                                        | 2000                                                                                | 4000 |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                         | 0.30                                                                                | 0.25                                                                                                                                                                                                                                                                                                                                                                 | 0.15                                                                                      | 0.15                                                                                        | 0.25                                                                                | 0.30 |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>           |  | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>34 dB</b> as per EN ISO 717-1<br><br>CAC = <b>35 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                      |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>               |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84<br><br>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                 |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>           |  | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                           |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>        |  | $\lambda$ = <b>0.060 W/mK</b> as per EN 12667                                                                                                                                                                                                                                                                                                                        |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>         |  | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                        |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Clean room</b>                  |  | <b>ISO 4</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                   |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>          |  | <br>A+                                                                                                                                                                                                                                                                            | <br>E1 | <br>IACG |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                |  |                                                                                                                                                                                                                                                                                   |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>              |  |                                                                                                                                                                                                                                                                                   |        |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|                                    |                                                                                     | 31 - 48%                                                                                                                                                                                                                                                                                                                                                             |                                                                                           |                                                                                             |                                                                                     |      |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |





# Classic Sanded

WITH A FINELY TEXTURED SURFACE, THE SANDED CLASSIC MINERAL CEILING SOLUTION PROVIDES A PERFECT BALANCE OF LIGHT REFLECTANCE AND ACOUSTIC PERFORMANCE TO ENHANCE COMFORT.





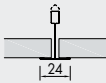
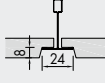
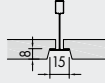
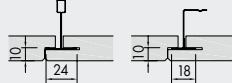
# ARMSTRONG SAHARA



- Armstrong SAHARA features a lightly textured and microperforated surface combining good sound absorption and sound attenuation performance
- Good sound absorption (0.60  $\alpha_w$ ) and sound attenuation (34 dB)
- Good light reflectance (85%)
- Ideal for office and learning applications



# ARMSTRONG SAHARA

| <b>Edge details</b><br><br>Additional edge details on request |    | Board<br>                                                                                                                                                                                                                                                                                                                                                                                                | Tegular 24<br> | Tegular 15<br> | SL2<br>                                                                             |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----|-----|-----|------|------|------|---------------------------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| <b>Thickness (mm)</b>                                         |    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 15                                                                                              | 15                                                                                               | 19                                                                                                                                                                     |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |    | 600 x 600<br>675 x 675<br>1200 x 600<br>1500 x 300<br>1800 x 300                                                                                                                                                                                                                                                                                                                                                                                                                          | 600 x 600<br>675 x 675<br>1200 x 600                                                            | 600 x 600<br>675 x 675<br>1200 x 600<br>1200 x 300                                               | 1500 x 300<br>1800 x 300<br>2500 x 300                                                                                                                                 |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>System</b>                                                 |    | Exposed demountable - System C<br>Exposed - Bandraster, demountable - System I.3<br>Exposed - Corridor, demountable - System F.3                                                                                                                                                                                                                                                                                                                                                          |                                                                                                 |                                                                                                  | Semi-concealed planks, demountable - System I.3<br>Semi-concealed planks - Bandraster, demountable - System I.2<br>Semi-concealed - Corridor, demountable - System F.2 |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Weight</b>                                                 |    | 3.7 - 5.0 kg / m <sup>2</sup> (15 - 19mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Colour</b>                                                 |    | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |   | EN ISO 354<br>$\alpha_w$ = <b>0.60</b> as per EN ISO 11654 - <b>Class C</b><br><table><tr><th>Frequency f (Hz)</th><th>125</th><th>250</th><th>500</th><th>1000</th><th>2000</th><th>4000</th></tr><tr><td><math>\alpha_p</math> Board, Tegular</td><td>0.45</td><td>0.40</td><td>0.55</td><td>0.65</td><td>0.65</td><td>0.60</td></tr><tr><td>SL2</td><td>0.35</td><td>0.45</td><td>0.60</td><td>0.65</td><td>0.55</td><td>0.45</td></tr></table><br>NRC = <b>0.55</b> as per ASTM C 423 |                                                                                                 |                                                                                                  |                                                                                                                                                                        | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ Board, Tegular | 0.45 | 0.40 | 0.55 | 0.65 | 0.65 | 0.60 | SL2 | 0.35 | 0.45 | 0.60 | 0.65 | 0.55 | 0.45 |
| Frequency f (Hz)                                              | 125                                                                                 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 500                                                                                             | 1000                                                                                             | 2000                                                                                                                                                                   | 4000             |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| $\alpha_p$ Board, Tegular                                     | 0.45                                                                                | 0.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.55                                                                                            | 0.65                                                                                             | 0.65                                                                                                                                                                   | 0.60             |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| SL2                                                           | 0.35                                                                                | 0.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.60                                                                                            | 0.65                                                                                             | 0.55                                                                                                                                                                   | 0.45             |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |  | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>34 dB</b> (15mm) as per EN ISO 717-1<br>CAC = <b>35 dB</b> (15mm) as per ASTM E 413-10<br><br>$D_{n,f,w}$ = <b>38 dB</b> (19mm) as per EN ISO 717-1<br>CAC = <b>39 dB</b> (19mm) as per ASTM E 413-10                                                                                                                                                                                                                                                  |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |  | EN ISO 10140-2<br>$R_w$ = <b>17 dB</b> (15mm) as per EN ISO 717-1<br><br>$R_w$ = <b>21 dB</b> (19mm) as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><br>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |  | <b>85%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |  | $\lambda$ = <b>0.060 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |  | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |  | <br>A+                                                                                                                                                                                                                                                                                                                                                                                                 | <br>E1       | <br>IACG      |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
| <b>Sustainability</b>                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
|                                                               |                                                                                     | EN ISO 14021                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | EN ISO 14025                                                                                    | EC 1272/2008 Annex Q                                                                             |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |
|                                                               |                                                                                     | 37 - 43%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                 |                                                                                                  |                                                                                                                                                                        |                  |     |     |     |      |      |      |                           |      |      |      |      |      |      |     |      |      |      |      |      |      |

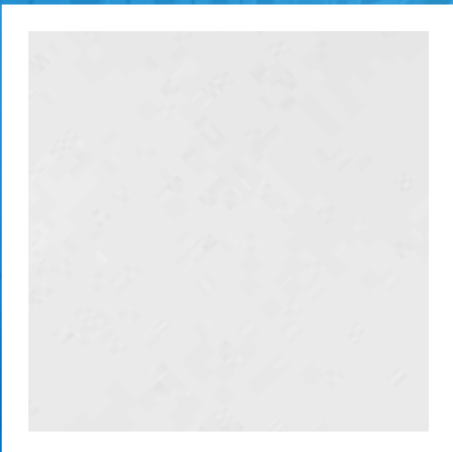
Products may vary from country to country.  
Please contact your local sales representative.  
For further information and legal notice, please visit our website.





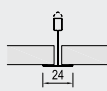
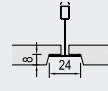
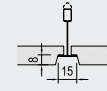
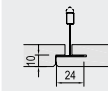
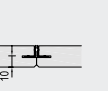
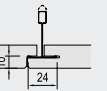
## AMF THERMATEx® Feinstratos

- AMF THERMATEx® Feinstratos creates an even, uniform ceiling appearance due to its finely textured surface
- Good sound attenuation (34 dB)
- Good light reflectance (85%)
- Ideal for retail, meeting rooms, installation rooms or production areas





# AMF THERMATEX® FEINSTRATOS

|                                    |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| Edge details                       |    | Board<br>                                                                                                                                                                                                                                                                              | Tegular 24<br>     | Tegular 15<br>             | Finesse<br> | SL2<br>                                                                                    | K2C2<br>                                                                                               |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Additional edge details on request |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Thickness (mm)                     |    | 15                                                                                                                                                                                                                                                                                                                                                                      | 15                                                                                                  | 15                                                                                                          | 19                                                                                           | 19                                                                                                                                                                            | 15                                                                                                                                                                                        |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Dimensions (mm)                    |    | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625<br>1800 x 300<br>2500 x 300                                                                                                                                                                                                                                                                                          | 600 x 600<br>625 x 625<br>1200 x 600                                                                | 600 x 600<br>625 x 625<br>1200 x 600                                                                        | 600 x 600                                                                                    | 2000 x 312,5<br>2500 x 312,5                                                                                                                                                  | 2000 x 312,5<br>2500 x 312,5                                                                                                                                                              |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Additional sizes on request        |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| System                             |    | Exposed demountable - System C<br>Exposed - Bandraster, demountable - System I.3<br>Exposed - Corridor, demountable - System F.3                                                                                                                                                                                                                                        |                                                                                                     |                                                                                                             | Concealed, demountable - System A.2 / A.3                                                    | Semi-concealed planks, demountable - System I.3<br>Semi-concealed planks - Bandraster, demountable - System I.2<br>Semi-concealed planks - Corridor, demountable - System F.2 | Semi-concealed planks, non-demountable - System I.3<br>Semi-concealed planks - Bandraster, non-demountable - System I.1<br>Semi-concealed planks - Corridor, non-demountable - System F.1 |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Weight                             |    | 3.8 - 5.0 kg / m²                                                                                                                                                                                                                                                                                                                                                       |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Colour                             |   | White                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Sound absorption                   |  | EN ISO 354<br>$\alpha_w$ = <b>0.20</b> as per EN ISO 11654 - <b>Class E</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.35</td><td>0.20</td><td>0.15</td><td>0.15</td><td>0.20</td><td>0.20</td></tr></table><br>NRC = <b>0.15</b> as per ASTM C 423 |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.35 | 0.20 | 0.15 | 0.15 | 0.20 | 0.20 |
| Frequency f (Hz)                   | 125                                                                                 | 250                                                                                                                                                                                                                                                                                                                                                                     | 500                                                                                                 | 1000                                                                                                        | 2000                                                                                         | 4000                                                                                                                                                                          |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                         | 0.35                                                                                | 0.20                                                                                                                                                                                                                                                                                                                                                                    | 0.15                                                                                                | 0.15                                                                                                        | 0.20                                                                                         | 0.20                                                                                                                                                                          |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Sound attenuation                  |  | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>34 dB</b> (Board, Tegular 24, Tegular 15, K2C2)<br>CAC = <b>35 dB</b> (Board, Tegular 24, Tegular 15, K2C2)<br><br>$D_{n,f,w}$ = <b>38 dB</b> (Finesse, SL2) as per EN ISO 717-1<br>CAC= <b>38 dB</b> (Finesse, SL2) as per ASTM E 413-10                                                                                            |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Sound reduction                    |  | EN ISO 10140-2<br>$R_w$ = <b>21 dB</b> as per EN ISO 717-1                                                                                                                                                                                                                                                                                                              |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Fire reaction                      |  | Euroclass <b>A2-s1, d0</b> as per EN 13501-1                                                                                                                                                                                                                                                                                                                            |                                                                                                     |                                                                                                             |                                                                                              | RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                 |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Light reflectance                  |  | <b>85%</b>                                                                                                                                                                                                                                                                                                                                                              |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Thermal conductivity               |  | $\lambda$ = <b>0.060 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                           |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Humidity resistance                |  | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                           |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Indoor air quality                 |  | <br>A+                                                                                                                                                                                                                                                                               | <br>E1           | <br>IACG                 |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Cleanability                       |  |                                                                                                                                                                                                                                                                                      |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| Sustainability                     |                                                                                     | <br>EN ISO 14021                                                                                                                                                                                                                                                                     | <br>EN ISO 14025 | <br>EC 1272/2008 Annex G |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|                                    |                                                                                     | 37-43%                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                     |                                                                                                             |                                                                                              |                                                                                                                                                                               |                                                                                                                                                                                           |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |

Products may vary from country to country.  
Please contact your local sales representative.  
For further information and legal notice, please visit our website.

# Classic Fissured/ Perforated

CHOOSE A FISSURED SURFACE FROM THE CLASSIC MINERAL RANGE TO ENJOY ITS UNIQUE COMBINATION OF SUPERIOR SOUND ABSORPTION AND SOUND ATTENUATION FOR IMPROVED INTELLIGIBILITY.







## DATASHEET

# Star 19mm



- Star 19mm features fine, uneven perforations with a smooth surface finish, and meets the needs for a modern, elegant design visual
- Good sound absorption ( $0.60 \alpha_w$ )
- High sound attenuation (38 dB)
- Excellent light reflectance (88%)
- Ideal for retail, offices and installations rooms

# DATASHEET

## Star 19mm

|                                                              |      |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
|--------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------|-------------------------------|--|------------------|-----|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br>Additional edge details<br>on request |      | Tegular<br>                                                                                                                                                                                                                                                                                                                                                      | SL2<br>                                                                                                                                                                                   | K4C4<br>                                                        |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                        |      | 19                                                                                                                                                                                                                                                                                                                                                               | 19                                                                                                                                                                                        | 19                                                              |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br>Additional sizes<br>on request     |      | 600 x 600                                                                                                                                                                                                                                                                                                                                                        | 1800 x 300<br>2000 x 312,5<br>2500 x 300<br>2500 x 312,5                                                                                                                                  | 625 x 625                                                       |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                |      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                   | Semi-concealed planks,<br>demountable - System I.3<br>Semi-concealed planks -<br>Bandrafter, demountable -<br>System I.2<br>Semi-concealed planks - Corridor,<br>demountable - System F.2 | Concealed, non-demountable -<br>System A.1                      |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                |      | 5.0 kg / m²                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                |      | <br>White                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                      |      | EN ISO 354<br>$\alpha_w = 0.60$ as per EN ISO 11654 - <b>Class C</b><br><table><tr><td>Frequency f (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.40</td><td>0.45</td><td>0.55</td><td>0.65</td><td>0.60</td><td>0.45</td></tr></table><br>NRC = <b>0.55</b> as per ASTM C 423 |                                                                                                                                                                                           |                                                                 |      |                               |  | Frequency f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.40 | 0.45 | 0.55 | 0.65 | 0.60 | 0.45 |
| Frequency f (Hz)                                             | 125  | 250                                                                                                                                                                                                                                                                                                                                                              | 500                                                                                                                                                                                       | 1000                                                            | 2000 | 4000                          |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                   | 0.40 | 0.45                                                                                                                                                                                                                                                                                                                                                             | 0.55                                                                                                                                                                                      | 0.65                                                            | 0.60 | 0.45                          |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                     |      | EN ISO 10848-2<br>$D_{n,f,w} = 38$ dB as per EN ISO 717-1<br><br>CAC = <b>38 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                         |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                       |      | EN ISO 10140-2<br>$R_w = 21$ dB as per EN ISO 717-1                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                         |      | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                     |      | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                  |      | $\lambda = 0.060$ W/mk as per EN 12667                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Air permeability</b>                                      |      | <b>PM1</b> ( $\leq 30$ m³/hm²) as per DIN 18177                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                   |      | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                    |      | <br>A+                                                                                                                                                                                                                                                                                                                                                           | <br>E1                                                                                                                                                                                    | <br>INDOOR AIR COMFORT<br>eurofins<br>GOLD<br>CERTIFIED PRODUCT |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                          |      |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                           |                                                                 |      |                               |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                        |      | <br>EN ISO 14021<br>37-48%                                                                                                                                                                                                                                                                                                                                       | <br>EN ISO 14025                                                                                                                                                                          | <br>BIOSOLUBLE WOOL<br>EC 1272/2008 Annex Q                     |      | <br>www.blauer-engel.de/uz132 |  |                  |     |     |     |      |      |      |            |      |      |      |      |      |      |



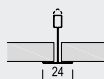
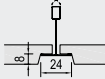
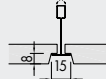


## AMF THERMATEX® Feinfresko

- AMF THERMATEX® Feinfresko features an uneven textured finish and offers good sound absorption for better acoustic comfort
- Good sound absorption (0.60 (H)  $\alpha_w$ )
- High sound attenuation (32 dB)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas



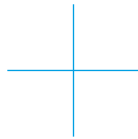
# AMF THERMATEX® FEINFRESKO

|                                                               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|------|-----|-----|------|------|------|------------|------|------|------|------|------|------|
| <b>Edge details</b><br><br>Additional edge details on request |                              | Board<br>                                                                                                                                                                                                                                                                                         | Tegular 24<br>                                | Tegular 15<br> |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thickness (mm)</b>                                         |                              | 15                                                                                                                                                                                                                                                                                                                                                                                 | 15                                                                                                                             | 15                                                                                                |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br><br>Additional sizes on request     |                              | 600 x 600<br>625 x 625<br>1200 x 600<br>1250 x 625                                                                                                                                                                                                                                                                                                                                 | 600 x 600<br>625 x 625                                                                                                         | 625 x 625                                                                                         |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>System</b>                                                 |                              | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Weight</b>                                                 |                              | 3.6 - 3.8 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Colour</b>                                                 |                              | White                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound absorption</b>                                       |                              | EN ISO 354<br>$\alpha_w$ = <b>0.60 (H)</b> as per EN ISO 11654 - <b>Class C</b><br><table><tr><td>Frequency <i>f</i> (Hz)</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0.45</td><td>0.40</td><td>0.50</td><td>0.70</td><td>0.80</td><td>0.75</td></tr></table><br>NRC = <b>0.60</b> as per ASTM C 423 |                                                                                                                                |                                                                                                   | Frequency <i>f</i> (Hz) | 125  | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ | 0.45 | 0.40 | 0.50 | 0.70 | 0.80 | 0.75 |
| Frequency <i>f</i> (Hz)                                       | 125                                                                                                           | 250                                                                                                                                                                                                                                                                                                                                                                                | 500                                                                                                                            | 1000                                                                                              | 2000                    | 4000 |     |     |      |      |      |            |      |      |      |      |      |      |
| $\alpha_p$                                                    | 0.45                                                                                                          | 0.40                                                                                                                                                                                                                                                                                                                                                                               | 0.50                                                                                                                           | 0.70                                                                                              | 0.80                    | 0.75 |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                      |                            | EN ISO 10848-2<br>$D_{n,f,w}$ = <b>32 dB</b> as per EN ISO 717-1<br><br>CAC = <b>32 dB</b> as per ASTM E 413-10                                                                                                                                                                                                                                                                    |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sound reduction</b>                                        |                            | EN ISO 10140-2<br>$R_w$ = <b>21 dB</b> as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                         |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Fire reaction</b>                                          |                            | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><br>RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ                                                                                                                                                                                                                                                                                  |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Light reflectance</b>                                      |                            | <b>83%</b>                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                   |                            | $\lambda$ = <b>0.060 W/mk</b> as per EN 12667                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Air permeability</b>                                       |                            | <b>PM1</b> ( $\leq 30$ m <sup>3</sup> /hm <sup>2</sup> ) as per DIN 18177                                                                                                                                                                                                                                                                                                          |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                    |                            | <b>90% RH</b>                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                     |                            | <br>A+                                                                                                                                                                                                                                                                                          | <br>E1                                      | <br>IACG       |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Cleanability</b>                                           |                            |                                                                                                                                                                                                                                                                                                 |                                                                                                                                |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |
| <b>Sustainability</b>                                         | <br>EN ISO 14021<br>37-48% | <br>EN ISO 14025                                                                                                                                                                                                                                                                                | <br>BIOSOLUBLE WOOL<br>EC 1272/2008 Annex Q |                                                                                                   |                         |      |     |     |      |      |      |            |      |      |      |      |      |      |





# Fire Protection



FIRE PERFORMANCE IS AN IMPORTANT CONSIDERATION FOR EVERY CEILING SYSTEM - NO MATTER HOW SIMPLE OR COMPLEX.

Our ceiling tiles are engineered to meet the most stringent industry standards. Select from a broad range of looks and acoustic options to meet your design and fire reaction requirements.

# EXPERIENCE MORE POSSIBILITIES



## AMF THERMATEX® Uno

### Uno EI 30

System Uno is a corridor span solution that offers independent fire protection EI 30 from above and below. If a fire occurs within the ceiling void, escape routes underneath remain free of smoke, flame and heat. Or if it occurs below the ceiling, the building structure and services in the ceiling void are protected. System Uno planks installed on a supporting perimeter construction can span up to 2.8m without suspension hangers, and are quick and easy to install.

The system offers good levels of sound absorption and is available in a variety of finishes.





# ARMSTRONG SUSPENSION SOLUTIONS

## "PRECISION MEETS PERFORMANCE"



**Knauf Ceiling Solutions suspension systems include a full range of solution and detailing for all ceiling suspension requirements. A full range of accessories is also available.**

### GENERAL SOLUTIONS

A range of standard exposed grid suspensions systems including Prelude 15, Prelude 24, Prelude 24 Sixty<sup>2</sup> for longer spans, Prelude 35 and Bandraster.

- **PEAKFORM** 

Most profiles in the Prelude range of grids feature the innovative Peakform design which is taller and engineered to create stronger, more stable suspension systems. The Peakform shape makes Main Runners and Cross Tees quicker and easier to cut.

- **PRELUDE UNIVERSAL MAIN RUNNER**

The Prelude Universal Main Runner supports the installation of either TL<sup>2</sup> or TL hook/butt cut Cross Tees or XL<sup>2</sup> stab/override Cross Tees from one simple inventory of Main Runners.

- **XL<sup>2</sup> CROSS TEES – “Click” installation**

Prelude XL<sup>2</sup> Cross Tees feature an advanced stab system that locates with an audible click, ensuring a solid installation at all times.

- **TL<sup>2</sup> CROSS TEES – “Hook” installation**

TL<sup>2</sup> is a highly engineered staked-on hook solution with a patented clip.

- **TL CROSS TEES – “Hook” installation**

Prelude TL Cross Tees in 15mm width feature an advanced an integrally formed hook nose.

Products may vary from country to country.  
Please contact your local sales representative.

## DESIGN SOLUTIONS



**PERFECTLINE XL<sup>2</sup>** is designed to create a crisp, clean look to provide an enhanced aesthetic. The channel profile finishes flush with the ceiling surface leaving a minimalist 3mm or 6mm reveal.

## SPECIFIC SOLUTIONS



- **Clean Room 24** is a unique co-extrusion of aluminium with a PVC gasket to create a better seal between tile and grid for clean room applications and "non-magnetic" environments.
- **Prelude 24 Corrosive Resistant** has a special paint finish and is designed for areas requiring enhanced corrosion resistance.
- **System Z** is a system providing an accessible semi-concealed appearance with ship-lap SL2 planks.
- **Seismic Rx<sup>®</sup>** is a specific installation method for Prelude 24 grid with XL<sup>2</sup> Cross Tees combined with specialist accessories.

## CORRIDOR SOLUTIONS



- Multiple corridor options from freespanning semi-concealed grid for corridors with SL2 demountable planks.

## AXIOM SOLUTIONS



- AXIOM Transitions, Profiles and accessories compliment the traditional range of perimeter angle trims. Create changes in level, perimeter lighting features or transition to a flush plasterboard perimeter.

# DONN®

## “COMPETENT AND COMPATIBLE”



**The proven DONN® DX technology with the patented gold clip has long been regarded as a guarantee for high quality ceiling grid substructures. A wide range of products guarantees consistent, flexible and certified system compatibility.**

### PRODUCT BENEFITS

- More stability, increased security, faster installation
- Three rib design for more rigidity
- Clear audible click-connection
- Compatible with all well-known acoustic ceiling tiles
- Create individual ceiling designs with alternative colour options for the capping: Black matt (LM), Metal 06 (D), Aluminium (A), Chrome (M), Gold (Q)., Additional RAL colours available on request.
- Wide range of system fire tests for all common soffit types according to the latest EN 1365-2 in conjunction with EN 1363-1



Products may vary from country to country.  
Please contact your local sales representative.

## STABLE AND SECURE CEILING GRID STRUCTURE

**The DX3® technology** with its patented rib design gives DX main runner and long cross tee ceiling grid structures even more rigidity. The profiles are dimensionally more stable and have greater torsional strength. This results in an easier and therefore faster installation and gives a stable and secure ceiling grid structure.

## PROVEN DONN® SYSTEM PORTFOLIO

### DX Standard

Create shadow gaps and reveals to highlight the modularity in a ceiling, with the DX Fineline system. The system features a box profile with a central groove (6.5mm width) along the exposed profile that creates a shadow gap of varying visibility, dependent on the rooms lighting conditions.

### Design & Aesthetic

An increasing number of ceiling constructions require special solutions, which cannot be achieved using conventional systems. These include, amongst others, wide span, heavy load, corridor and corrosion protected systems.

### Function & Creativity

All DX standard systems are characterised by a combination of subtle appearance and high efficiency. The systems are available in 24 and 15mm profile widths (visible area).





# AMF VENTATEC®

## “QUALITY AND FLEXIBILITY”



**High material quality and precise technical detailing characterise the standard of the profiles. The high performance product design guarantees the stability, safety and flexibility of the construction. In combination with AMF THERMATEX®, the result is a perfect ceiling solution to meet the highest requirements.**

### PRODUCT BENEFITS

- Modular system – Click (Joggled, Butt Cut)
- High stability due to stitching and ribbing
- Strong connection between main runners and cross tees as a result of the stainless steel end clips
- Easy to handle and simple to install
- Quick and easy removal of the cross tees
- Audible click confirms secure connection of Click-components
- Wide range of system fire tests for all common soffit types according to the latest EN 1365-2 in conjunction with EN 1363-1

Products may vary from country to country.  
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## Individual and flexible ceiling grid structure

The AMF VENTATEC® ceiling suspension grid system offers maximum flexibility as a simple Click- construction, with high or low cross tees in both joggled and butt cut options. 24 or 15mm profile widths are available, the system can be individually adapted to many aesthetic and functional requirements.

## Certified in fire protection

We help our customers with tested fire protection systems in the ceiling area. The product and system developments introduced in recent years have been tested against the latest standards and test criteria taking all aspects of the ceiling construction (such as integrated lighting) into account. The result is a comprehensive portfolio of current fire tests with the AMF VENTATEC® grid system in combination with AMF THERMATEx® ceiling tiles protecting all relevant soffit types.



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YOUR **CEILING**  
OUR **SOLUTIONS**

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