

MINERAL SOLUTIONS

knaufCEILING
Solutions





Experience More Innovation

WITH FUNCTIONAL, NATURAL AND SUSTAINABLE MINERAL SOLUTIONS

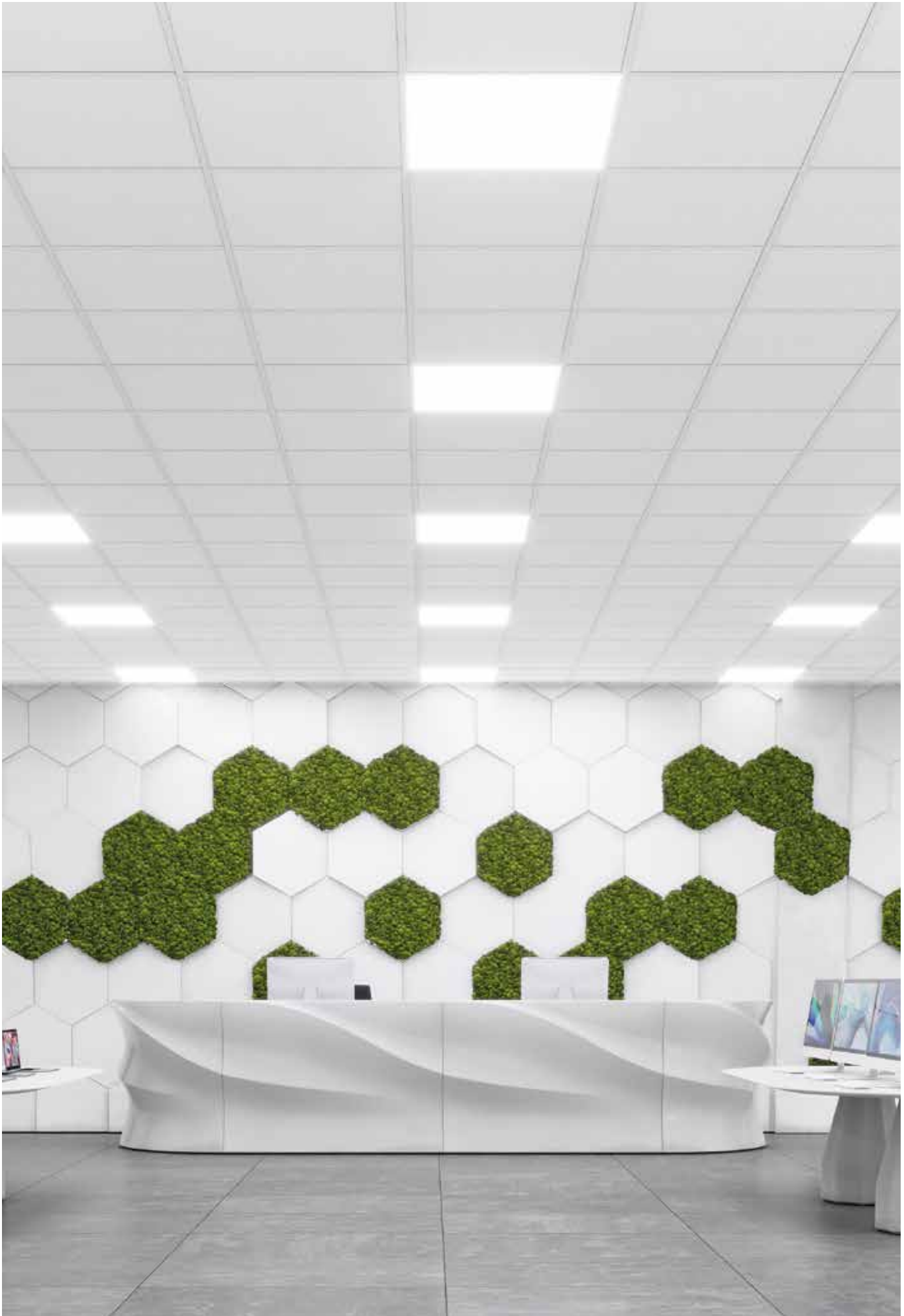
We believe that the ceiling is an integral part of every interior space. It helps give us a wonderful sense of well-being and safety. A seamless connection between form and function, it enhances and protects the spaces in which we live, work, recover and grow. It balances acoustics, provides healthy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

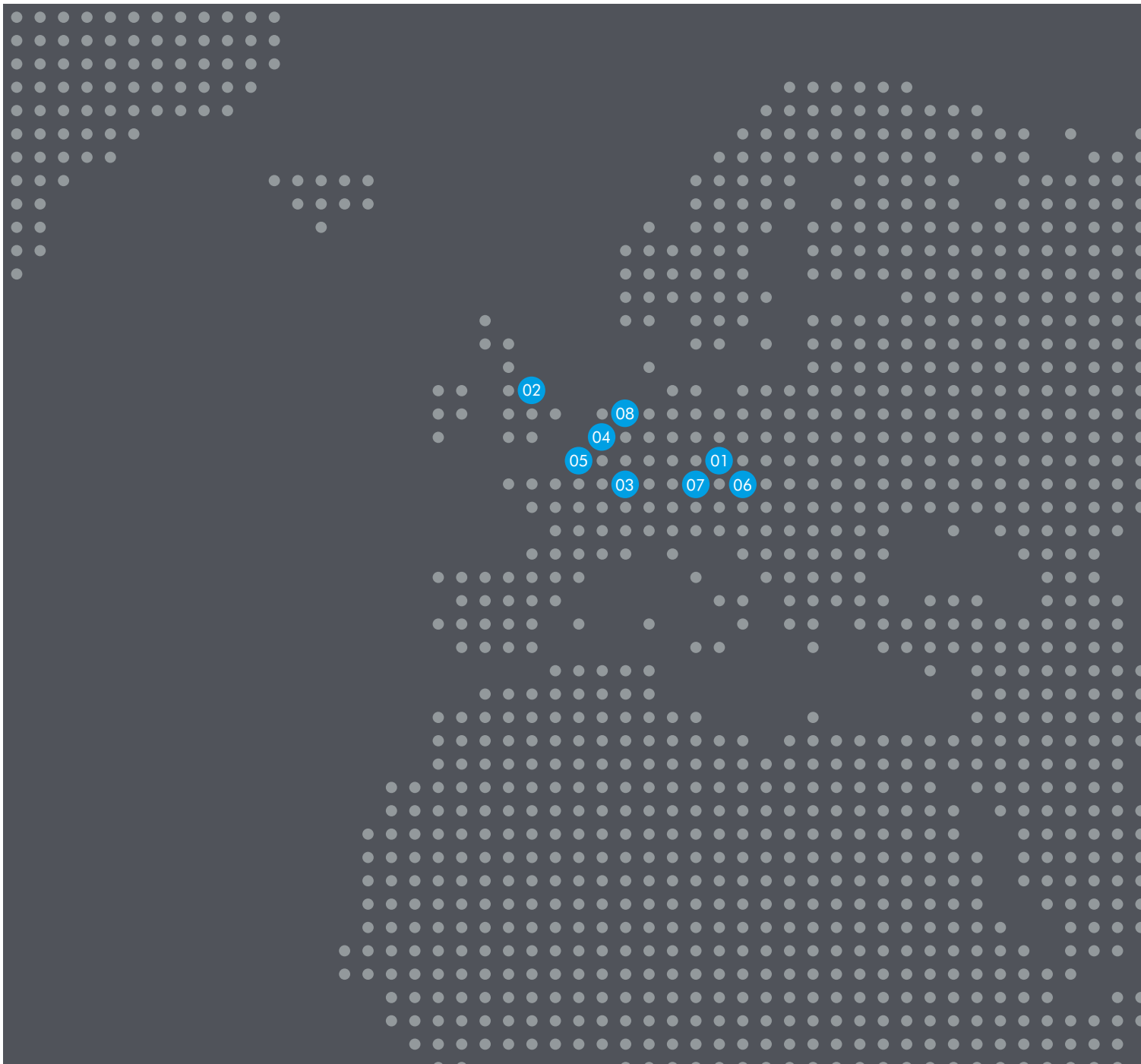
Ultimately, it is our customers who create the perfect space using our solutions. To help them realise more exciting visions, two of the world's most recognised ceiling manufacturers have combined strengths to offer the best of both in one market-leading brand – Knauf Ceiling Solutions.

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 (α_w) or to ASTM C 423 (NRC).



SOUND ABSORPTION CLASS

A classification for sound absorption (A – E) based upon the sound absorption α_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.



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



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, α_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 α_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 letters (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	α_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; 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

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.





imi

Integrated Micro-Electronics
Niš

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.



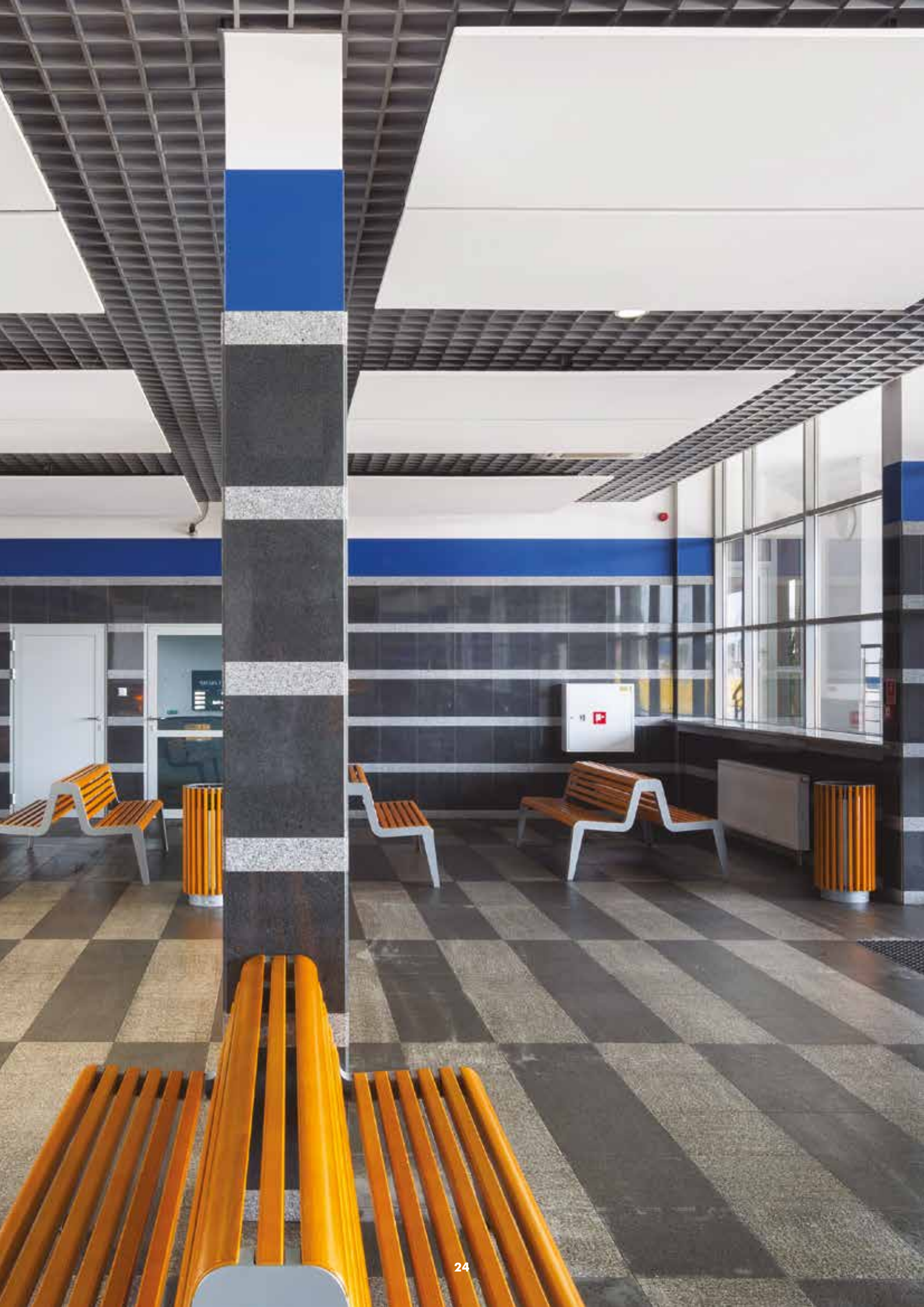
CREATING SPACES FOR HEALING

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
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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	AMF THERMATEX® Alpha	66
AMF THERMATEX® dB Acoustic	56	Antaris	68
AMF THERMATEX® Alpha HD 19mm	58	Antaris C	70
AMF THERMATEX® Alpha HD 30mm	60	AMF THERMATEX® Thermofon	72
AMF THERMATEX® Alpha HD 35mm	62	AMF TOPIQ Prime	74
AMF THERMATEX® Alpha One	64	AMF TOPIQ Efficient Pro	76

HEALTHCARE & HYGIENE

AMF THERMATEX® Aquatec	80	AMF THERMATEX® Alpha Hygena	86
AMF THERMATEX® Aquatec Hygena	82	AMF THERMATEX® Thermofon Hygena	88
AMF THERMATEX® Thermaclean	84	PLAIN Hygena	90

CLASSIC PLAIN

PLAIN

94

CLASSIC SANDED

AMF THERMATEx® Feinstratos

98

AMF THERMATEx® Feinstratos Micro

100

CLASSIC FISSURED/PERFORATED

Star 15mm

104

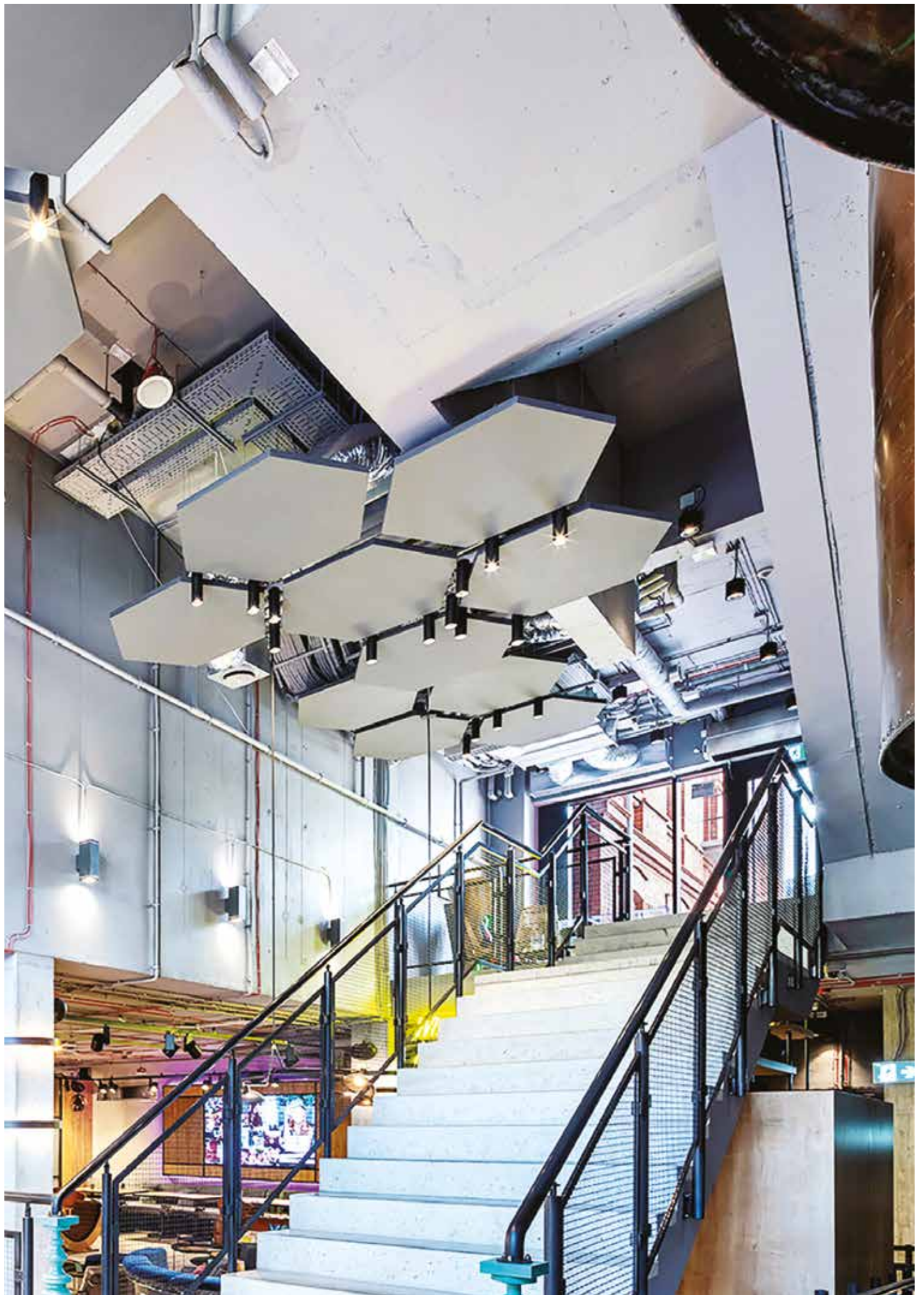
AMF THERMATEx® Feinfresko

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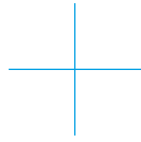
FIRE PROTECTION

AMF THERMATEx® Uno

110



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



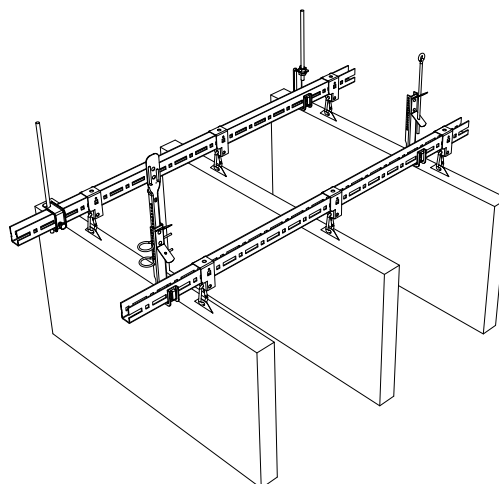
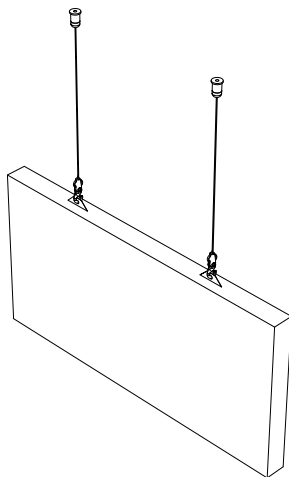
- MINERAL Baffle Element is a range of high performance acoustical baffles with a white laminate surface for a modern linear appearance.
- Good sound absorption: reduce noise levels, increase intelligibility and reduce reverberation time in a space
- Typically used to provide high levels of acoustic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



MINERAL Baffle Element

Individual / Grouped

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



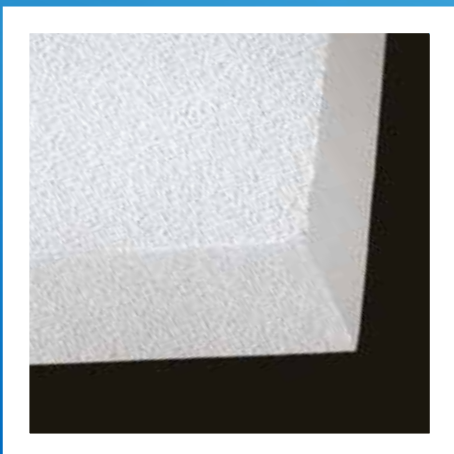


Vertical Baffle Systems

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.

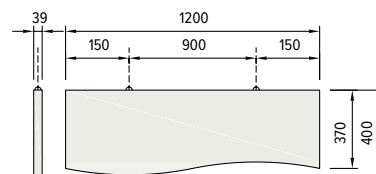
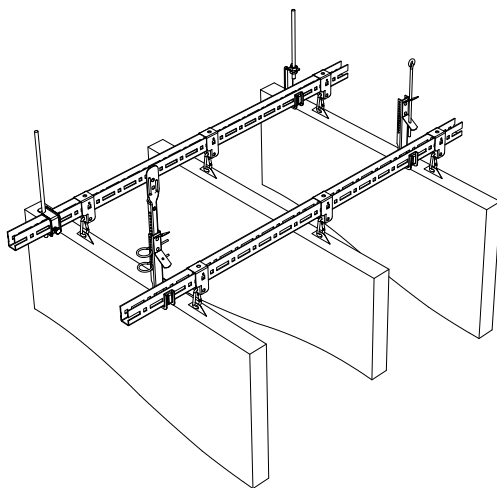
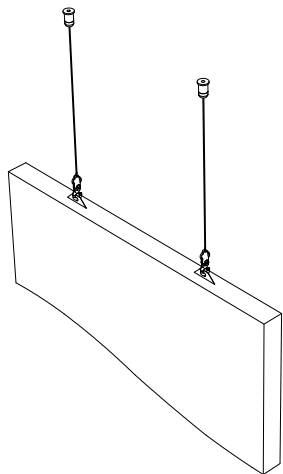


MINERAL Baffle Element Arc

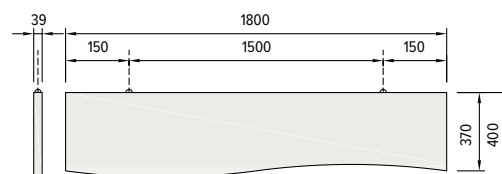
Individual / Grouped

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

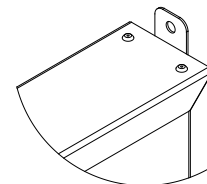
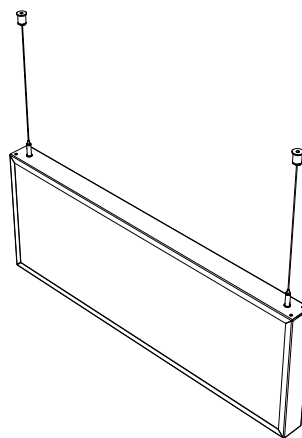
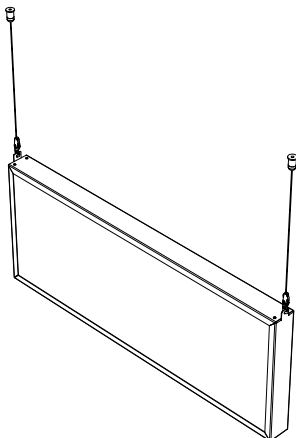
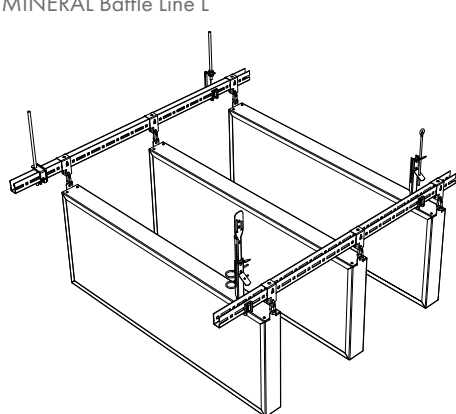


MINERAL Baffle Line L/N

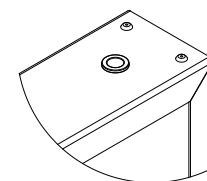
Individual / Grouped (only MINERAL Baffle Line L)

Thickness (mm)		50														
Dimensions (mm) Additional sizes on request		1200 x 300 1200 x 400 1800 x 300 1800 x 400														
System		MINERAL Baffle Line N - wire hanger with top screw thread MINERAL Baffle Line L - wire hanger with tab connector MINERAL Baffle Line L - U-Profile and carabiner with tab connector														
Weight		1200 x 300: 3.2 kg/pc 1200 x 400: 4.1 kg/pc 1800 x 300: 4.7 kg/pc 1800 x 400: 6.0 kg/pc														
Colour & design		Frame: Anodised Aluminium, White, Colours  White  Granite  Steel  Green Marble  Copper  Oak  Brass  Sandstone  Concrete Motif: Custom Graphic Print														
Sound absorption		EN ISO 354 α_w = 0.60(MH) (300mm) as per EN ISO 11654 - Class C <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> α_p Row distances 300mm NRC = 0.65 as per ASTM C 423	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 A2-s1,d0 as per EN 13501-1														
Light reflectance		88%														
Humidity resistance		90%														
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



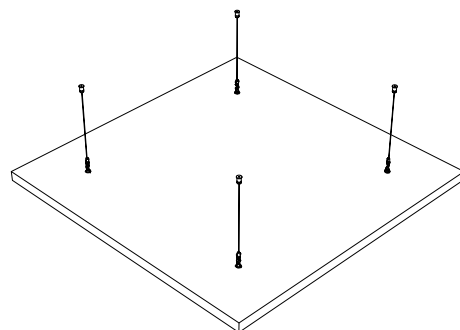
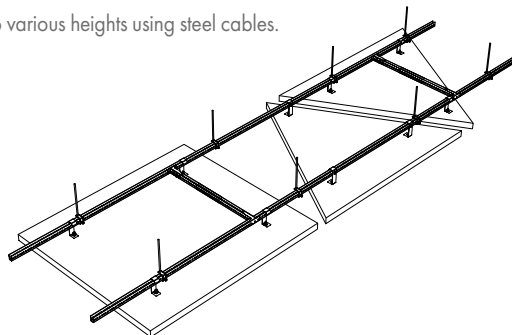
- MINERAL Sonic Element is a frameless and jointless ceiling raft. It also benefits from a fully colour coated face and reverse laminate fleece
- The monolithic ceiling raft design offers excellent sound absorption properties and when installed gives the appearance of a free floating ceiling cloud

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 Grouped: U-Profile																																																						
Weight		6.0 kg/m²																																																						
Colour & design		 White  Granite  Steel  Green Marble  Copper  Oak  Brass  Sandstone  Concrete																																																						
Sound absorption		EN ISO 354 <table><tr><td>Frequency f (Hz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Equivalent Absorption Area Aobj*</td><td></td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</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><td></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><td></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><td></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><td></td></tr></table> *Values shown are the average of the 3 one third octave band values							Frequency f (Hz)								Equivalent Absorption Area Aobj*		125	250	500	1000	2000	4000	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)																																																								
Equivalent Absorption Area Aobj*		125	250	500	1000	2000	4000																																																	
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																																																		
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Circle: Ø1200mm / Suspension height 150mm	0.40	1.00	1.70	1.80	2.00	1.90																																																		
Fire reaction		Euroclass A2-s1,d0 as per EN 13501-1																																																						
Light reflectance		Up to 88%																																																						
Humidity resistance		90%																																																						
Indoor air quality		 A  E1  IAC																																																						
Cleanability																																																								
Sustainability		 Microfleece Wool  EC 1272/2008 Annex Q																																																						

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

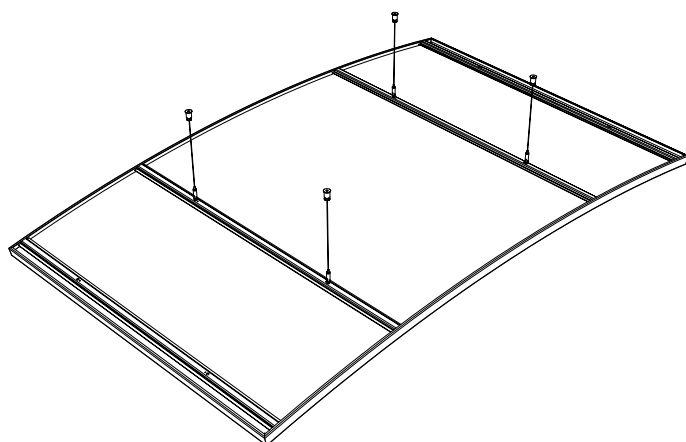


MINERAL Sonic Line Arc

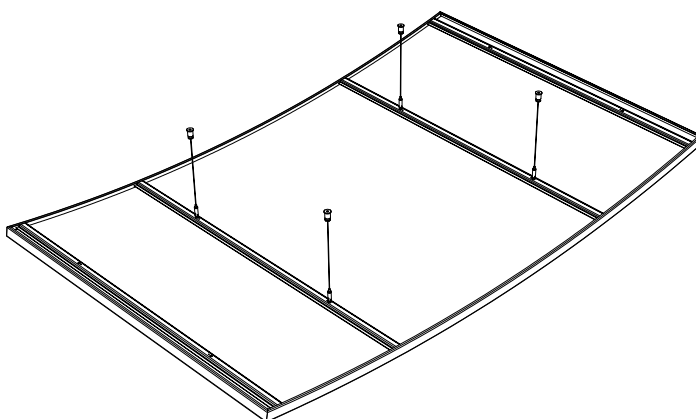
Individual

Edge details		MINERAL Sonic Line Arc Concave MINERAL Sonic Line Arc Convex																					
Thickness (mm)		35																					
Dimensions (mm)		1910 x 1180																					
System		Wire Hanger																					
Weight		16.0 kg/pc																					
Colour & design		White Granite Steel Green Marble Copper Oak Brass Sandstone Concrete vd Vario Design Colours																					
Sound absorption		EN ISO 354 <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> *Values shown are the average of the 3 one third octave band values	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 A2-s1,d0 as per EN 13501-1																					
Light reflectance		Up to 88%																					
Humidity resistance		90%																					
Cleanability																							
Sustainability		BIODEGRADABLE WOOL EC 1272/2008 Annex Q																					

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 Arc

(THERMATEX® Sonic Arc)

Individual

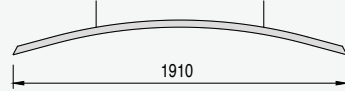


- Create unique, elegant designs with an array of MINERAL Sonic Line Arc concave and convex canopies
- Play with custom colours to create exciting contrasting effects
- MINERAL Sonic Line Arc allows you express your creativity and accentuate an area using new spacial effects

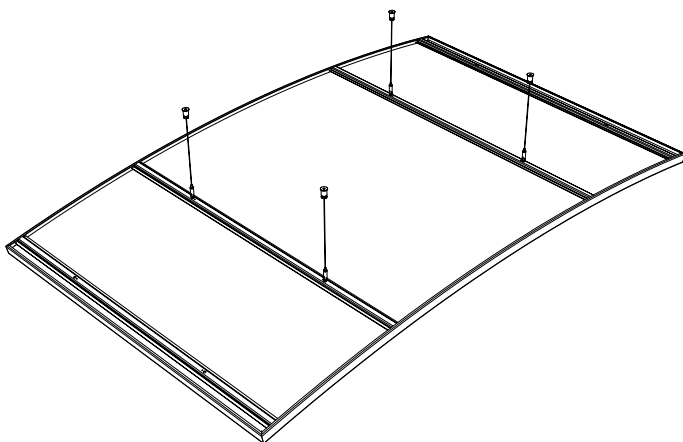


MINERAL Sonic Line Arc

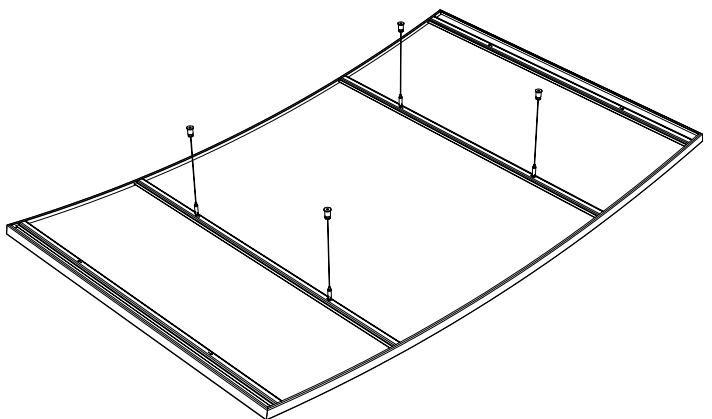
Individual

Edge details		MINERAL Sonic Line Arc Concave 	MINERAL Sonic Line Arc Convex 																					
Thickness (mm)		35																						
Dimensions (mm)		1910 x 1180																						
System		Wire Hanger																						
Weight		16.0 kg/pc																						
Colour & design		VD Vario Design Colours          White Granite Steel Green Marble Copper Oak Brass Sandstone Concrete																						
Sound absorption		EN ISO 354 <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> *Values shown are the average of the 3 one third octave band values		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 A2-s1,d0 as per EN 13501-1																						
Light reflectance		Up to 88%																						
Humidity resistance		90%																						
Cleanability																								
Sustainability		BIOROLLABLE WOOL  EC 1272/2008 Annex Q																						

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.



©Philip Durant

Wall Systems

MINERAL Wallcoustic Element

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



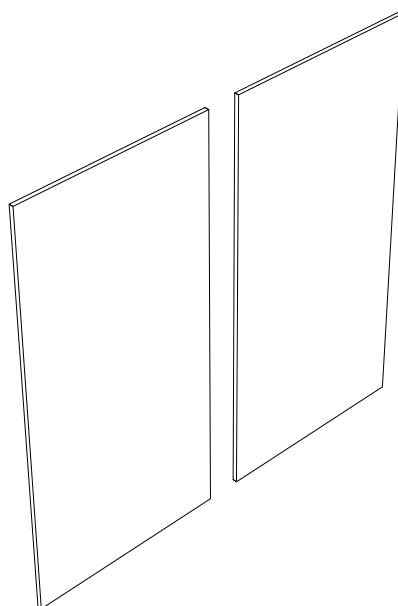
- MINERAL Wallcoustic Element is a frameless and jointless wall absorber. It also benefits from a fully colour coated face and reverse laminate fleece
- The monolithic wall absorber offers excellent sound absorption properties and endless design possibilities for ambitious architects, who seek to raise 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 Square 800 x 800 Rectangle 1180 x 580 Rectangle 1780 x 880 Rectangle 1780 x 1180																												
Additional sizes on request																														
System		Spiral anchor Wall brackets																												
Weight		6.0 kg/m²																												
Colour & design		 vd Vario Design Colours  WhiteGraniteSteelGreen MarbleCopperOakBrassSandstoneConcrete																												
Sound absorption		EN ISO 354 <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> *Values shown are the average of the 3 one third octave band values	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 A2-s1,d0 as per EN 13501-1																												
Light reflectance		Up to 88%																												
Humidity resistance		90%																												
Cleanability	 																													
Sustainability																														





Wall Systems

MINERAL Wallcoustic Line

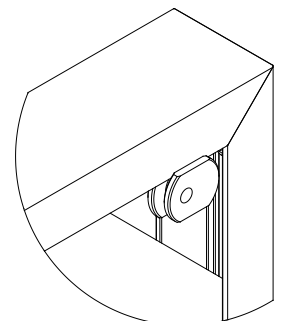
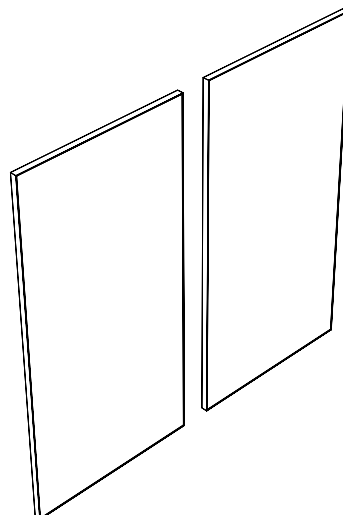
(THERMATEx® Line Modern)
Individual



- 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 1200 x 1200 1800 x 1200 2400 x 1200																																										
Additional sizes on request																																												
System		Eccentric bracket																																										
Weight		9.4 kg/m²																																										
Colour & design		Frame: Anodised Aluminium, White, Colours  White  Granite  Steel  Green Marble  Copper  Oak  Brass  Sandstone  Concrete																																										
		Motif: Custom Graphic Print																																										
Sound absorption		EN ISO 354 <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> *Values shown are the average of the 3 one third octave band values	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 A2-s1,d0 as per EN 13501-1																																										
Light reflectance		Up to 88%																																										
Humidity resistance		90%																																										
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

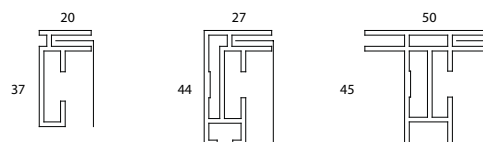
Individual

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

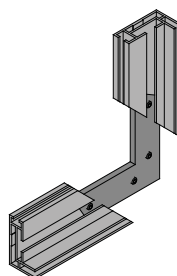
*Values shown are the average of the 3 one third octave band values

FABRIC Wallcoustic Line

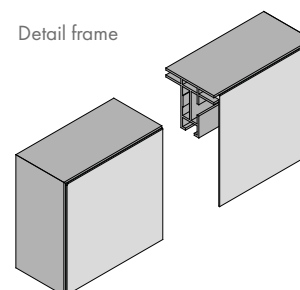
Profile cross-sections



Corner connection



Detail frame





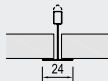
AMF THERMATEX® Alpha Colour



- 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 α_w)
- Ideal for offices, restaurants, cinemas, classrooms and learning applications



AMF THERMATEX® ALPHA COLOUR

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

EXPERIENCE MORE POSSIBILITIES



AMF THERMATEX® Varioline

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

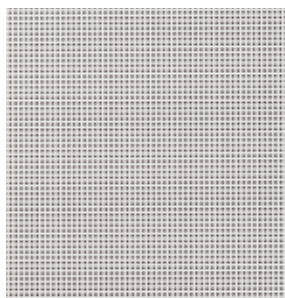
Whichever architectural look and feel you have in mind, you can choose from a selection of mineral tiles with wood, concrete or metal pattern surfaces to achieve the desired visual aesthetic.

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.



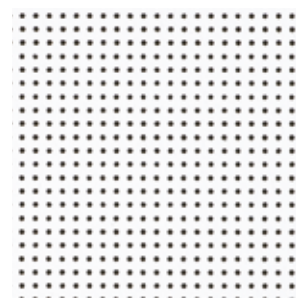
Varioline Motif



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[®] Acoustic



- The laminated finish of AMF THERMATEX[®] Acoustic creates a smooth, white appearance and provides good levels of sound absorption and excellent sound attenuation
- Good sound absorption (0.65 (H) α_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

Edge details Additional edge details on request		Board	Tegular 24/90	Tegular 15/90	SL2	Vector	Finesse
Thickness (mm)		19	19	19	19	24	19
Dimensions (mm)		600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600	600 x 600 1200 x 600	1200 x 300 1500 x 300 1800 x 300 2000 x 300 2500 x 300	600 x 600 625 x 625 1200 x 600	600 x 600 625 x 625 1200 x 600 1250 x 625
System		Exposed demountable - System C			Semi-concealed planks, demountable - System I.3 Semi-concealed planks - Bandrastrer, demountable - System I.2 Semi-concealed planks - Corridor, demountable - System F.2	Semi-concealed tiles, demountable - System C	Concealed, demountable - System A.2 / A.3
Weight		5.0 - 8.6 kg / m ²					
Colour		 White					
Sound absorption		EN ISO 354 $\alpha_w = \mathbf{0.65 (H)}$ as per EN ISO 11654 - Class C Frequency f (Hz) α_p Board, Tegular 24/90, Tegular 15/90, Finesse, SL2 α_p Vector NRC = 0.70 as per ASTM C 423					
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = \mathbf{38 dB}$ (Board, Tegular 24/90, Tegular 15/90, Vector, Finesse) as per EN ISO 717-1 $D_{n,f,w} = \mathbf{40 dB}$ (SL2) as per EN ISO 717-1 CAC = 39 dB (Board, Tegular 24/90, Tegular 15/90, Vector, Finesse) as per ASTM E 413-10					
Sound reduction		EN ISO 10140-2 $R_w = \mathbf{22 dB}$ as per EN ISO 717-1					
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84					
Light reflectance		88%					
Thermal conductivity		$\lambda = \mathbf{0.060 W/mk}$ as per EN 12667					
Air permeability		PM1 ($\leq 30 \text{ m}^3/\text{hm}^2$) as per DIN 18177					
Humidity resistance		95% RH					
Clean room		ISO 4 as per EN ISO 14644-1					
Indoor air quality		 A+ E1 Indoor Air Comfort GOLD CERTIFIED PRODUCT					
Cleanability		 					
Sustainability		 EN ISO 14021 35 - 36.9% EN ISO 14025 BIOSOLUBLE WOOL EC 1272/2008 Annex Q CERTIFIED cradle to cradle BSC022					

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DATASHEET

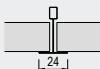
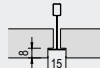
AMF THERMATEX[®] dB Acoustic



- AMF THERMATEX[®] 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) α_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

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

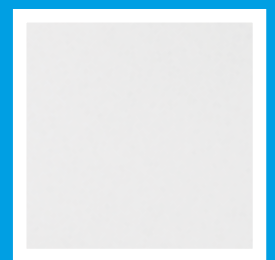
36.9 - 37%

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_w)
- 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

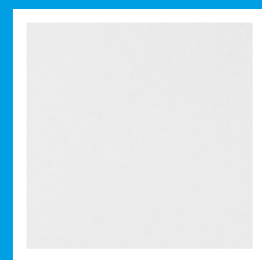
Edge details Additional edge details on request		Board	Tegular 24/90	Tegular 15/90	SL2	Finesse
Thickness (mm)		19	19	19	19	19
Dimensions (mm)		600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1500 x 600 1800 x 600	600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1500 x 600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

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DATASHEET

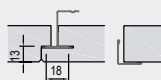
AMF THERMATEX® Alpha HD 30mm



- 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

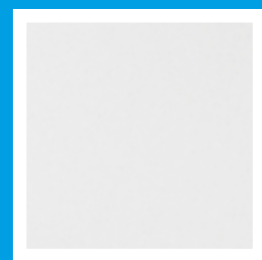
Edge details Additional edge details on request		Board	Tegular 24/90	Tegular 15/90	SL2	Finesse															
																					
Thickness (mm)		30	30	30	30	30															
Dimensions (mm)		600 x 600 625 x 625 675 x 675 1200 x 600 1250 x 625	600 x 600 625 x 625 675 x 675 1200 x 600 1250 x 625	600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

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DATASHEET

AMF THERMATEX® Alpha HD 35mm

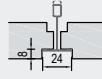
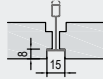
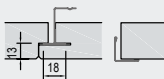


- AMF THERMATEX® Alpha HD 35mm offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption and sound attenuation
- Excellent sound absorption ($0.90 \alpha_w$)

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



DATASHEET

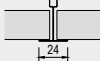
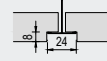
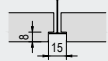
AMF THERMATEX® Alpha One



- 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 600 625 x 625 1200 x 600	600 x 600 625 x 625 1200 x 600				600 x 600 625 x 625 1200 x 600						
System		Exposed demountable - System C											
Weight		4.0 kg / m²											
Colour		 White											
Sound absorption		EN ISO 354 $\alpha_w = 1.00$ as per EN ISO 11654 - Class A											
		Frequency f (Hz)		125	250	500	1000	2000	4000				
		α_p		0.55	0.85	1.00	0.95	1.00	1.00				
		NRC = 1.00 as per ASTM C 423											
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 29$ dB as per EN ISO 717-1											
Sound reduction		EN ISO 10140-2 $R_w = 17$ dB as per EN ISO 717-1											
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84											
Light reflectance		88%											
Thermal conductivity		$\lambda = 0.040$ W/mk as per EN 12667											
Air permeability		PM1 (≤ 30 m³/hm²) as per DIN 18177											
Humidity resistance		95% RH											
Clean room		ISO 4 as per EN ISO 14644-1											
Indoor air quality		 A+	 E1										
Cleanability													
Sustainability		 EN ISO 14021 50.8%	 EN ISO 14025	 BIOSOLUBLE WOOL EC 1272/2008 Annex Q	 M1+ REDUCED EMISSION CLASS FOR BUILDING MATERIAL	 certified cradle to cradle BRONZE		www.blauer-engel.de/uz132					

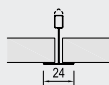
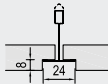
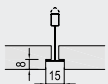


AMF THERMATEX® Alpha

- AMF THERMATEX® Alpha offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption
- Excellent sound absorption (0.95 α_w)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications



AMF THERMATEX® ALPHA

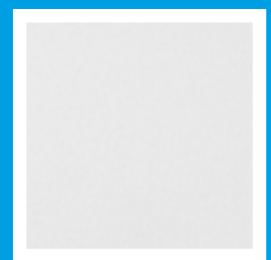
Edge details Additional edge details on request		Board 	Tegular 24/90 		Tegular 15/90 															
Thickness (mm)		19	19		19															
Dimensions (mm) Additional sizes on request		600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600		600 x 600 625 x 625 1200 x 600															
System		Exposed demountable - System C																		
Weight		3.3 kg / m ²																		
Colour		White																		
Sound absorption		EN ISO 354 α_w = 0.95 as per EN ISO 11654 - Class A <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_p</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> NRC = 0.90 as per ASTM C 423					Frequency f (Hz)	125	250	500	1000	2000	4000	α_p	0.50	0.80	0.90	0.90	1.00	1.00
Frequency f (Hz)	125	250	500	1000	2000	4000														
α_p	0.50	0.80	0.90	0.90	1.00	1.00														
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 28 dB as per EN ISO 717-1 CAC = 29 dB as per ASTM E 413-10																		
Sound reduction		EN ISO 10140-2 R_w = 14 dB as per EN ISO 717-1																		
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84 RUS KM1 (G1, V1, D1, T1) as per 123-FZ																		
Light reflectance		88%																		
Thermal conductivity		λ = 0.040 W/mk as per EN 12667																		
Air permeability		PM1 (≤ 30 m ³ /hm ²) as per DIN 18177																		
Humidity resistance		95% RH																		
Clean room		ISO 4 as per EN ISO 14644-1																		
Indoor air quality		 A+	 E1	 IACG																
Cleanability																				
Sustainability	 43%	 EN ISO 14025	 EC 1272/2008 Annex Q	 M1		www.blauer-engel.de/uz132														

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



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

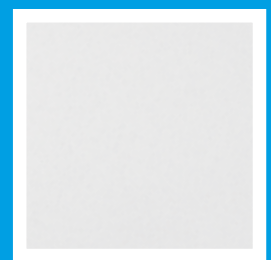
Antaris

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



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

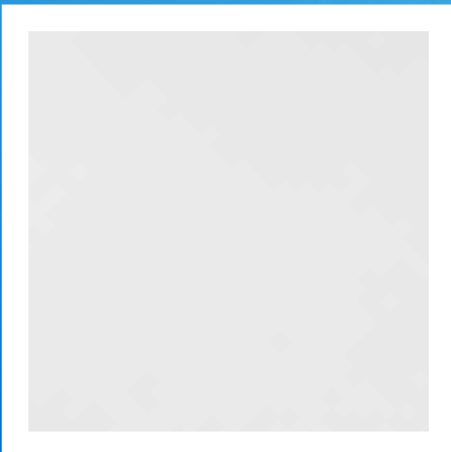
Antaris C

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

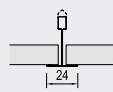
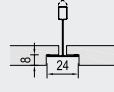
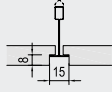


AMF THERMATEX® Thermofon

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

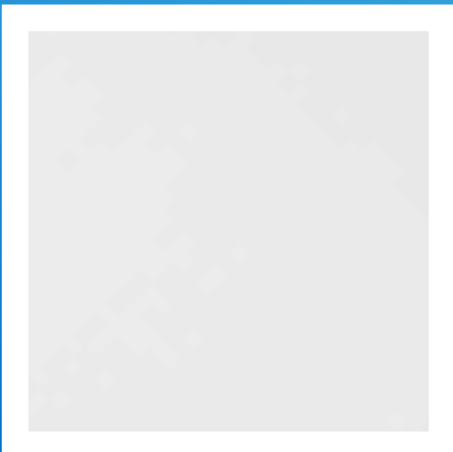


AMF THERMATEX® THERMOFON

Edge details Additional edge details on request		Board 	Tegular 24/90 		Tegular 15/90 															
Thickness (mm)		15	15		15															
Dimensions (mm) Additional sizes on request		600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600		600 x 600 625 x 625 1200 x 600															
System		Exposed demountable - System C																		
Weight		2.9 kg / m²																		
Colour		White																		
Sound absorption		EN ISO 354 α_w = 0.80 (H) as per EN ISO 11654 - Class 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_p</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> NRC = 0.85 as per ASTM C 423					Frequency f (Hz)	125	250	500	1000	2000	4000	α_p	0.55	0.75	0.75	0.80	0.95	1.00
Frequency f (Hz)	125	250	500	1000	2000	4000														
α_p	0.55	0.75	0.75	0.80	0.95	1.00														
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 28 dB as per EN ISO 717-1 CAC = 29 dB as per ASTM E 413-10																		
Sound reduction		EN ISO 10140-2 R_w = 13 dB as per EN ISO 717-1																		
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84 RUS KM1 (G1, V1, D1, T1) as per 123-FZ																		
Light reflectance		88%																		
Thermal conductivity		λ = 0.040 W/mk as per EN 12667																		
Humidity resistance		95% RH																		
Clean room		ISO 4 as per EN ISO 14644-1																		
Indoor air quality		 A+	 E1	 IACG																
Cleanability																				
Sustainability	 EN ISO 14021 42%	 EN ISO 14025	 EC 1272/2008 Annex Q	 M1+		www.blauer-engel.de/uz132														



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

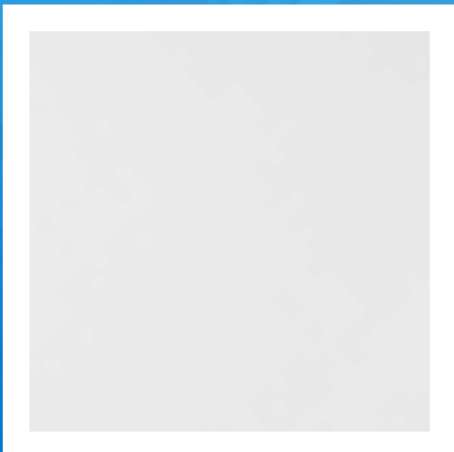


AMF TOPIQ® PRIME

Edge details Additional edge details on request		Board 	Tegular 24/90 	Tegular 15/90 														
Thickness (mm)		15	15	15														
Dimensions (mm) Additional sizes on request		600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600	600 x 600 625 x 625 1200 x 600														
System		Exposed demountable - System C																
Weight		2.1 kg / m²																
Colour		White																
Sound absorption		EN ISO 354 α_w = 0.95 as per EN ISO 11654 - Class A <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_p</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> NRC = 0.90 as per ASTM C 423			Frequency f (Hz)	125	250	500	1000	2000	4000	α_p	0.50	0.85	0.95	0.90	1.00	1.00
Frequency f (Hz)	125	250	500	1000	2000	4000												
α_p	0.50	0.85	0.95	0.90	1.00	1.00												
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 24 dB as per EN ISO 717-1 CAC = 24 dB as per ASTM E 413-10																
Sound reduction		EN ISO 10140-2 R_w = 13 dB as per EN ISO 717-1																
Fire reaction		Euroclass A1 as per EN 13501-1 Class A as per ASTM E 84 RUS KM2 (G1, V2, D1, T1) as per 123-FZ																
Light reflectance		88%																
Humidity resistance		100% RH																
Clean room		ISO 5 as per EN ISO 14644-1																
Indoor air quality		 A	 E1	 IAC														
Cleanability																		
Sustainability		 EN ISO 14021 32-33%	 BIOSOLUBLE WOOL EC 1272/2008 Annex G	 M1 Emission class for building materials www.blauer-engel.de/uz132														



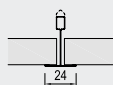
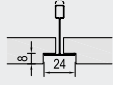
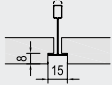
AMF TOPIQ® Efficient Pro



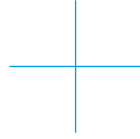
- AMF TOPIQ® Efficient Pro is a very light stone wool panel with a modern, smooth surface.
- Excellent sound absorption ($1.00 \alpha_w$)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms, learning applications and underground garages



AMF TOPIQ® EFFICIENT PRO

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

Healthcare & Hygiene



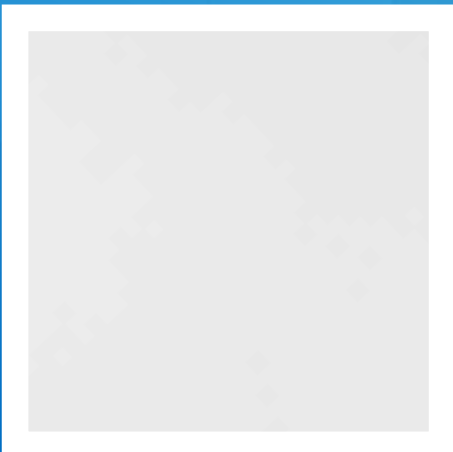


UNDER CONSTANT SCRUTINY AND DEMANDING THE HIGHEST LEVELS OF COMFORT AND CLEANLINESS, HEALTHCARE SETTINGS GO THROUGH CONTINUAL CHANGES TO ENSURE THE BEST POSSIBLE ENVIRONMENT FOR PATIENTS AND HEALTHCARE PROFESSIONALS.

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.



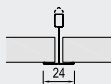
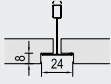
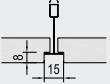
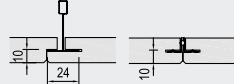
AMF THERMATEX® Aquatec



- 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 α_w)
- Excellent light reflectance (88%)
- ISO 3
- Ideal for healthcare environments, laboratories, treatment rooms, locker rooms or shower areas

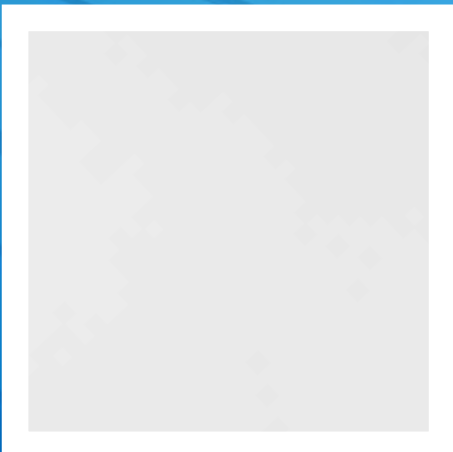


AMF THERMATEX® AQUATEC

Edge details Additional edge details on request		Board 	Tegular 24/90 	Tegular 15/90 	Finesse 														
Thickness (mm)		19	19	19	19														
Dimensions (mm) Additional sizes on request		600 x 600 625 x 625	600 x 600 625 x 625	600 x 600 625 x 625	600 x 600 625 x 625														
System		Exposed demountable - System C			Concealed, demountable - System A.2 / A.3														
Weight		5.2 kg / m ²																	
Colour		White																	
Sound absorption		EN ISO 354 α_w = 0.90 as per EN ISO 11654 - Class A <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_p</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 = 0.90 as per ASTM C 423				Frequency f (Hz)	125	250	500	1000	2000	4000	α_p	0.60	0.70	0.85	0.90	1.00	1.00
Frequency f (Hz)	125	250	500	1000	2000	4000													
α_p	0.60	0.70	0.85	0.90	1.00	1.00													
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 29 dB as per EN ISO 717-1 CAC = 29 dB as per ASTM E 413-10																	
Sound reduction		EN ISO 10140-2 R_w = 16 dB as per EN ISO 717-1																	
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84			RUS KM1 (G1, V1, D1, T1) as per 123-FZ														
Light reflectance		88%																	
Thermal conductivity		λ = 0.060 W/mk as per EN 12667																	
Air permeability		PM1 (≤ 30 m ³ /hm ²) as per DIN 18177																	
Humidity resistance		100% RH																	
Clean room		ISO 3 as per EN ISO 14644-1																	
Indoor air quality		 A+	 E1	 IACG															
Cleanability																			
Sustainability	 35%	 EN ISO 14025	 EC 1272/2008 Annex Q		www.blauer-engel.de/uz132														



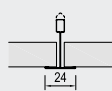
AMF THERMATEX® Aquatec Hygena



- 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 α_w)
- Excellent light reflectance (88%)
- ISO 3
- Ideal for healthcare environments, laboratories, treatment rooms, intensive care units, locker rooms or shower areas



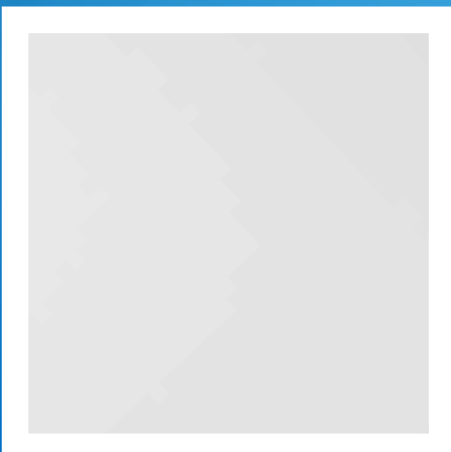
AMF THERMATEX® AQUATEC HYGENA

Edge details Additional edge details on request		Board 														
Thickness (mm)		19														
Dimensions (mm) Additional sizes on request		600 x 600 625 x 625														
System		Exposed demountable - System C														
Weight		5.2 kg / m²														
Colour		White														
Sound absorption		EN ISO 354 α_w = 0.90 as per EN ISO 11654 - Class A <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>α_p</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 = 0.90 as per ASTM C 423	Frequency <i>f</i> (Hz)	125	250	500	1000	2000	4000	α_p	0.60	0.70	0.85	0.90	1.00	1.00
Frequency <i>f</i> (Hz)	125	250	500	1000	2000	4000										
α_p	0.60	0.70	0.85	0.90	1.00	1.00										
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 29 dB as per EN ISO 717-1 CAC = 29 dB as per ASTM E 413-10														
Sound reduction		EN ISO 10140-2 R_w = 16 dB as per EN ISO 717-1														
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84 RUS KM1 (G1, V1, D1, T1) as per 123-FZ														
Light reflectance		88%														
Thermal conductivity		λ = 0.060 W/mk as per EN 12667														
Air permeability		PM1 ($\leq 30 \text{ m}^3/\text{hm}^2$) as per DIN 18177														
Humidity resistance		100% RH														
Clean room		ISO 3 as per EN ISO 14644-1														
Indoor air quality		 A+  E1  IACG														
Cleanability	    															
Sustainability	 	 EN ISO 14021  EC 1272/2008 Annex Q 35%														

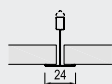


AMF THERMATEX® Thermaclean

- 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

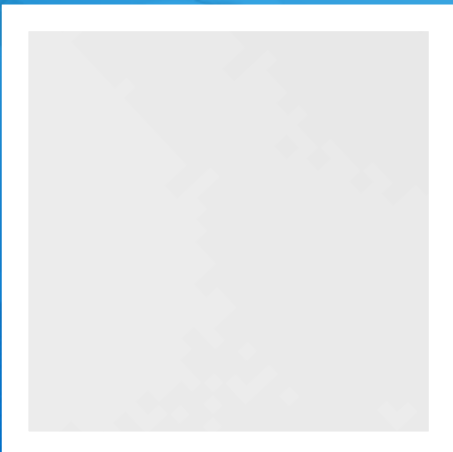


AMF THERMATEX® THERMACLEAN

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



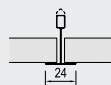
AMF THERMATEX® Alpha Hygena



- AMF THERMATEX® Alpha Hygena offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption. The surface is washable and anti-microbial (resistant to the growth of germs, bacteria and fungi).
- Excellent sound absorption (0.95 α_w)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for healthcare facilities in general, kitchens, food industries, laboratories, etc.



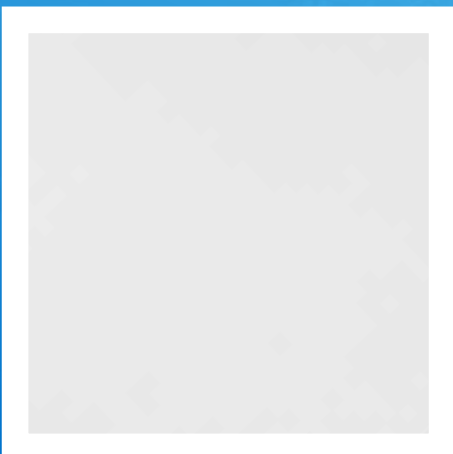
AMF THERMATEX® ALPHA HYGENA

Edge details Additional edge details on request		Board 														
Thickness (mm)		19														
Dimensions (mm) Additional sizes on request		600 x 600														
System		Exposed demountable - System C														
Weight		3.3 kg / m ²														
Colour		White														
Sound absorption		EN ISO 354 α_w = 0.95 as per EN ISO 11654 - Class A <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><th>α_p</th><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> NRC = 0.90 as per ASTM C 423	Frequency f (Hz)	125	250	500	1000	2000	4000	α_p	0.50	0.80	0.90	0.90	1.00	1.00
Frequency f (Hz)	125	250	500	1000	2000	4000										
α_p	0.50	0.80	0.90	0.90	1.00	1.00										
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 28 dB as per EN ISO 717-1 CAC = 29 dB as per ASTM E 413-10														
Sound reduction		EN ISO 10140-2 R_w = 14 dB as per EN ISO 717-1														
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 RUS KM1 (G1, V1, D1, T1) as per 123-FZ														
Light reflectance		88%														
Thermal conductivity		λ = 0.040 W/mk as per EN 12667														
Air permeability		PM1 (≤ 30 m ³ /hm ²) as per EN 18177														
Humidity resistance		95% RH														
Clean room		ISO 4 as per EN ISO 14644-1														
Indoor air quality		A+E1														
Cleanability	  															
Sustainability	 43% 															

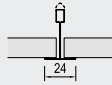


AMF THERMATEX® Thermofon Hygena

- AMF THERMATEX® Thermofon features a smooth, white laminated finish and modern design visual. It provides high sound absorption for enhanced acoustic comfort. The surface is washable and anti-microbial (resistant to the growth of germs, bacteria and fungi)
- High sound absorption (0.80(H) α_w)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for healthcare facilities in general, kitchens, food industries, laboratories, etc.



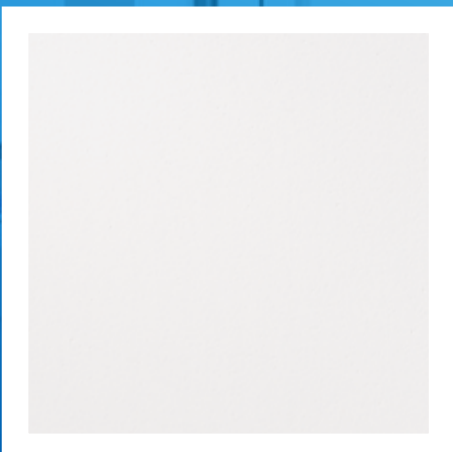
AMF THERMATEX® THERMOFON HYGENA

Edge details		Board														
Additional edge details on request																
Thickness (mm)		15														
Dimensions (mm)		600 x 600														
Additional sizes on request																
System		Exposed demountable - System C														
Weight		2.9 kg / m²														
Colour		White														
Sound absorption		EN ISO 354 α_w = 0.80(H) as per EN ISO 11654 - Class 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_p</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> NRC = 0.85 as per ASTM C 423	Frequency f (Hz)	125	250	500	1000	2000	4000	α_p	0.55	0.75	0.75	0.80	0.95	1.00
Frequency f (Hz)	125	250	500	1000	2000	4000										
α_p	0.55	0.75	0.75	0.80	0.95	1.00										
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 28 dB as per EN ISO 717-1 CAC = 29 dB as per ASTM E 413-10														
Sound reduction		EN ISO 10140-2 R_w = 13 dB as per EN ISO 717-1														
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 RUS KM1 (G1, V1, D1, T1) as per 123-FZ														
Light reflectance		88%														
Thermal conductivity		λ = 0.040 W/mk as per EN 12667														
Humidity resistance		95% RH														
Clean room		ISO 4 as per EN ISO 14644-1														
Indoor air quality		 A+ E1														
Cleanability	  															
Sustainability	 EN ISO 14021 42%  BIOSOLUBLE WOOL EC 1272/2008 Annex II															



PLAIN Hygena

- PLAIN Hygena offers a white, smooth surface that creates an elegant ceiling appearance and provides excellent light reflection. The surface is washable and anti- microbial (resistant to the growth of germs, bacteria and fungi)
- Good sound attenuation (34 dB)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for healthcare environments and laboratories



PLAIN HYGENA

Edge details Additional edge details on request	Board														
Thickness (mm)	15														
Dimensions (mm) Additional sizes on request	600 x 600														
System	Exposed demountable - System C														
Weight	3.8 kg / m²														
Colour	White														
Sound absorption	EN ISO 354 $\alpha_w = \mathbf{0.20(L)}$ as per EN ISO 11654 - Class E<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>α_p</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 = 0.20 as per ASTM C 423	Frequency <i>f</i> (Hz)	125	250	500	1000	2000	4000	α_p	0.30	0.25	0.15	0.15	0.25	0.30
Frequency <i>f</i> (Hz)	125	250	500	1000	2000	4000									
α_p	0.30	0.25	0.15	0.15	0.25	0.30									
Sound attenuation	EN ISO 10848-2 $D_{n,f,w} = \mathbf{34\ dB}$ as per EN ISO 717-1 CAC = 35 dB as per ASTM E 413-10														
Fire reaction	Euroclass A2-s1, d0 as per EN 13501-1 RUS KM1 (G1, V1, D1, T1) as per 123-FZ														
Light reflectance	88%														
Thermal conductivity	$\lambda = \mathbf{0.060\ W/mK}$ as per EN 12667														
Air permeability	PM1 ($\leq 30\ m^3/hm^2$) as per DIN 18177														
Humidity resistance	95% RH														
Clean room	ISO 4 as per EN ISO 14644-1														
Indoor air quality	A+ E1														
Cleanability															
Sustainability	48% BIOSOLUBLE WOOL EC 1272/2008 Annex Q														



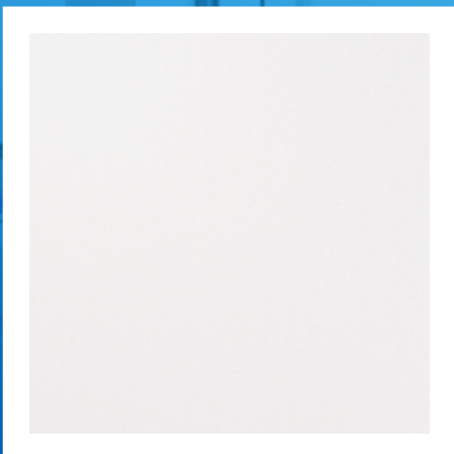
Classic Plain

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





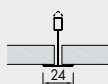
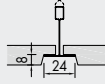
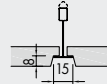
PLAIN



- 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

Edge details Additional edge details on request		Board 	Tegular 24 	Tegular 15 														
Thickness (mm)		15	15	15														
Dimensions (mm) Additional sizes on request		600 x 600 1200 x 600	600 x 600 1200 x 600	600 x 600 1200 x 600														
System		Exposed demountable - System C																
Weight		3.6 - 3.8 kg / m ²																
Colour		White																
Sound absorption		EN ISO 354 α_w = 0.20(L) as per EN ISO 11654 - Class E <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>α_p</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 = 0.20 as per ASTM C 423			Frequency <i>f</i> (Hz)	125	250	500	1000	2000	4000	α_p	0.30	0.25	0.15	0.15	0.25	0.30
Frequency <i>f</i> (Hz)	125	250	500	1000	2000	4000												
α_p	0.30	0.25	0.15	0.15	0.25	0.30												
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 34 dB as per EN ISO 717-1 CAC = 35 dB as per ASTM E 413-10																
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84 RUS KM1 (G1, V1, D1, T1) as per 123-FZ																
Light reflectance		88%																
Thermal conductivity		λ = 0.060 W/mK as per EN 12667																
Humidity resistance		95% RH																
Clean room		ISO 4 as per EN ISO 14644-1																
Indoor air quality		 A+	 E1	 IACG														
Cleanability																		
Sustainability	 EN ISO 14021	 EN ISO 14025	 EC 1272/2008 Annex Q	31 - 48%														



Classic Sanded

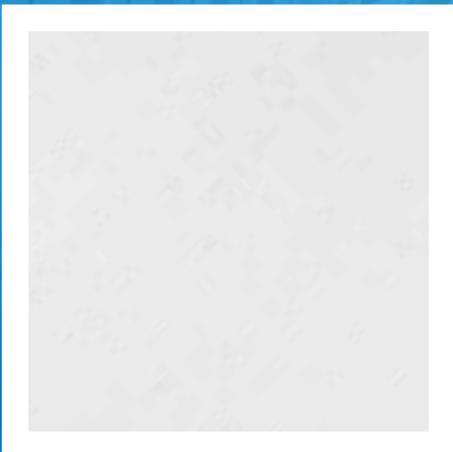
WITH A FINELY TEXTURED SURFACE, THE SANDED CLASSIC MINERAL CEILING SOLUTION PROVIDES A PERFECT BALANCE OF LIGHT REFLECTANCE AND ACOUSTIC PERFORMANCE TO ENHANCE COMFORT.



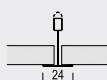
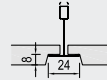
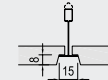
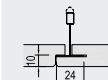
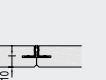
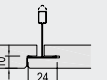


AMF THERMATEx® Feinstratos

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

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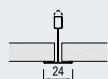
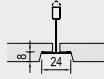
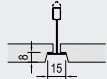
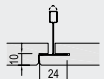
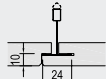
AMF THERMATEX® Feinstratos Micro



- AMF THERMATEX® Feinstratos Micro features a finely textured surface and creates an even, uniform ceiling appearance with good sound absorption
- Good sound absorption (0.60 α_w)
- Good to high sound attenuation (34-38 dB)
- Good light reflectance (85%)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas



AMF THERMATEX® FEINSTRATOS MICRO

Edge details Additional edge details on request		Board 	Tegular 24 	Tegular 15 	Finesse 	SL2 	K2C2 														
Thickness (mm)		15, 19	15, 19	15	19	19	15														
Dimensions (mm) Additional sizes on request		600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600	600 x 600 625 x 625 1200 x 600	600 x 600 625 x 625 1200 x 600	1500 x 300 1800 x 300 2000 x 312,5 2500 x 300 2500 x 312,5	2000 x 312,5 2500 x 312,5														
System		Exposed demountable - System C			Concealed, demountable - System A.2 / A.3	Semi-concealed planks, demountable - System I.3 Semi-concealed planks - Bandraster, demountable - System I.2 Semi-concealed planks - Corridor, demountable - System F.2	Semi-concealed planks, non-demountable - System I.3 Semi-concealed planks - Bandraster, non-demountable - System I.1 Semi-concealed planks - Corridor, non-demountable - System F.1														
Weight		3.9 - 5.0 kg / m ²																			
Colour		White																			
Sound absorption		EN ISO 354 α_w = 0.60 as per EN ISO 11654 - Class C <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_p</td><td>0.50</td><td>0.50</td><td>0.55</td><td>0.70</td><td>0.65</td><td>0.50</td></tr></table> NRC = 0.60 as per ASTM C 423						Frequency f (Hz)	125	250	500	1000	2000	4000	α_p	0.50	0.50	0.55	0.70	0.65	0.50
Frequency f (Hz)	125	250	500	1000	2000	4000															
α_p	0.50	0.50	0.55	0.70	0.65	0.50															
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 34 dB Board, Tegular 24, Tegular 15, K2C2 (15mm) as per EN ISO 717-1 $D_{n,f,w}$ = 38 dB Board, Tegular 24, Finesse, SL2 (19mm) as per EN ISO 717-1 CAC = 35 dB (15mm) CAC = 38 dB (19mm) as per ASTM E 413-10																			
Sound reduction		EN ISO 10140-2 R_w = 21 dB as per EN ISO 717-1																			
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84			RUS KM1 (G1, V1, D1, T1) as per 123-FZ																
Light reflectance		85%																			
Thermal conductivity		λ = 0.060 W/mk as per EN 12667																			
Humidity resistance		95% RH																			
Indoor air quality		 A+	 E1	 IACG																	
Cleanability		 																			
Sustainability		 EN ISO 14021	 EN ISO 14025	 EC 1272/2008 Annex G																	
		37-43%																			

Products may vary from country to country.
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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.

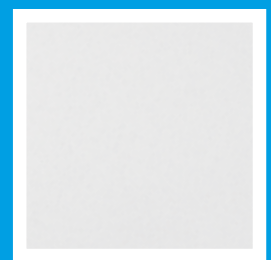






DATASHEET

Star 15mm



- Star 15mm features fine, uneven perforations with a smooth surface finish, and meets the needs for a modern, elegant design visual
- Good sound absorption ($0.60 \alpha_w$)
- Good sound attenuation (34 dB)
- Excellent light reflectance (88%)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

DATASHEET

Star 15mm

Edge details Additional edge details on request		Board 	Tegular 24 	Tegular 15 	K2C2 														
Thickness (mm)		15	15	15	15														
Dimensions (mm) Additional sizes on request		600 x 600 625 x 625 1200 x 600 1250 x 625 2500 x 300	600 x 600 625 x 625 1200 x 600	600 x 600 625 x 625 1200 x 600	2000 x 312,5 2500 x 312,5														
System		Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3			Semi-concealed planks, non-demountable - System I.3														
Weight		3.6 - 3.8 kg / m²																	
Colour		 White																	
Sound absorption		EN ISO 354 $\alpha_w = \mathbf{0.60}$ as per EN ISO 11654 - Class C <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_p</td><td>0.45</td><td>0.50</td><td>0.55</td><td>0.70</td><td>0.65</td><td>0.50</td></tr></table> NRC = 0.60 as per ASTM C 423				Frequency f (Hz)	125	250	500	1000	2000	4000	α_p	0.45	0.50	0.55	0.70	0.65	0.50
Frequency f (Hz)	125	250	500	1000	2000	4000													
α_p	0.45	0.50	0.55	0.70	0.65	0.50													
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = \mathbf{34\ dB}$ as per EN ISO 717-1 CAC = 35 dB as per ASTM E 413-10																	
Sound reduction		EN ISO 10140-2 $R_w = \mathbf{21\ dB}$ as per EN ISO 717-1																	
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84																	
Light reflectance		88%																	
Thermal conductivity		$\lambda = \mathbf{0.060\ W/mk}$ as per EN 12667																	
Humidity resistance		95% RH																	
Indoor air quality		 A+	 E1	 INDOOR AIR COMPOSITES eurofins GOLD CERTIFIED PRODUCT															
Cleanability																			
Sustainability		 EN ISO 14021 37-48%	 EPD EN ISO 14025	 BIOSOLUBLE WOOL EC 1272/2008 Annex Q															

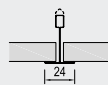
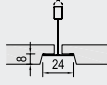
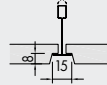


AMF THERMATEX® Feinfresko

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



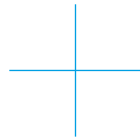
AMF THERMATEX® FEINFRESKO

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



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.
Please contact your local sales representative.

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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