

KNAUF

Version July 2025

KNAUF PRODUCT CATALOGUE



Build on us.



WHO WE ARE

Knauf began as an idea from two brothers and has grown into a global industry leader spanning 90 countries, multiple brands and with more than 41,500 employees worldwide. Through our people and state-of-the-art plants, we produce high-performing solutions ranging from drywall systems, plasters and insulating materials all the way to external thermal insulation composite systems. Whatever your challenge, we are there with you each step of the way to help you to constantly improve how you build.

FROM A SMALL FAMILY BUSINESS TO A MAJOR GLOBAL LEADER



*The data shown above are current as of 2023

BUILDING WITH PURPOSE

The backbone of our company and people will always be our core values: Menschlichkeit, Partnership, Commitment, and Entrepreneurship. They are at the heart of everything we do, guiding us as a world-class employer, a trustworthy partner, and an industry innovator. Strengthened by more than 90 years of success, our values serve as our internal compass in unpredictable times, while empowering us to overcome challenges as a company and individual. All in the name of driving mutual success.



KNAUF MALAYSIA - A GREATER LEGACY IN THE MAKING TOWARDS ONE SHARED FUTURE

In April 2021, USG Boral officially became part of the Knauf family. The acquisition by Knauf represents the joining of two legacies in the building materials industry, inspired by a common goal to create a greater future for our customers, partners, employees, and the community.

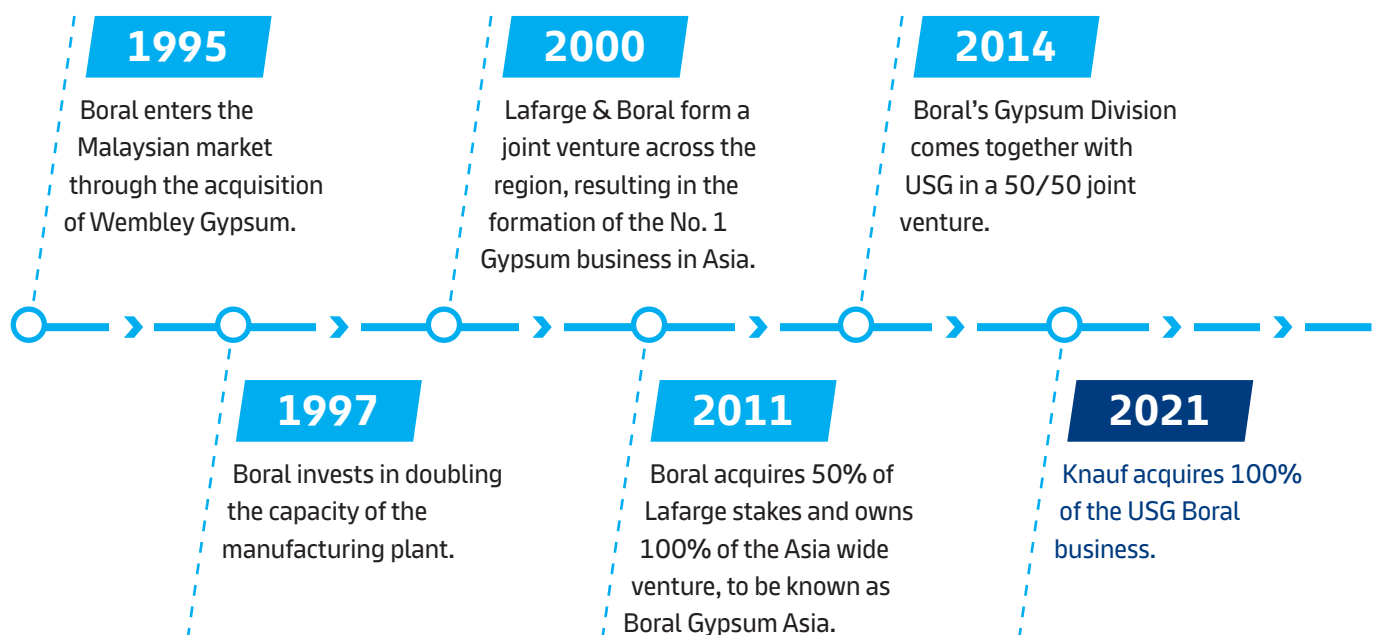
Knauf's venture into Asia began in the 1990s and has expanded its operations to become a leading brand trusted by customers. The acquisition of USG Boral only added to Knauf's strength and capabilities to become the best supplier for customers.

During this transition, Knauf retained USG Boral's existing products as well as introduce new products and systems to the building material markets in both Malaysia and Singapore by adding the latest manufacturing technologies and professional know-how to the current manufacturing/sales capabilities.

For 27 years, the company has been able to build an amazing business in the Malaysian landscape that revolves around the gypsum board market. With this transition to a new company leadership and brand that is Knauf, we look forward to accelerating growth through geographic expansion and strengthening our position as a total system solutions provider for wall and ceiling applications in the construction industry.

We are determined to serve stakeholders to the best of our ability with customer-centric system solutions and technology. Let us make your world a safer, healthier and more comfortable living space with Knauf's dry construction systems and solutions.

Knauf Malaysia Company Milestones



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1 *Plasterboards*

Perfect for drywall and ceiling systems and solutions, our plasterboards are the result of many years of scientific experimentation and innovation. Drywall construction is cleaner, faster and easily handled by fewer workers. Our variety of plasterboard products cater to different building requirements, such as resistance to fire, moisture, impact, and noise reduction. Plasterboard is suitable for a wide range of construction projects, from healthcare and educational institutions to commercial and residential buildings.



KNAUF SHEETROCK® STANDARDCORE™



Modern, Versatile, Simple Installation

Knauf Sheetrock® StandardCORE™ is composed of a gypsum plaster core encased in the recycled face and back papers with significant properties for durability and stability. Knauf Sheetrock® StandardCORE™ can be fixed to timber, metal framing, and masonry construction.

Advantages



Aesthetics

- Smooth finish with potential for unlimited designs and numerous finishing options to suit customer's imagination.



Fast and Easy Installation

- Easy to carry and install. Task can also be completed quickly.



Consistent Quality

- Produced in a state-of-the-art ISO 9001 certified plant.



Clean Site

- Leaves minimal dust residue. Worksite remains clean and presentable.

Product Data

Size (mm)	1220 mm x 2440 mm	Thickness (mm)	12.5	16.0
Product Standard	BS EN 520	Nominal Weight (kg/m ²)	7.4	10.9
Product Testing	BS 476 Part 6 BS 476 Part 7	Nominal Density (kg/m ³)	592	681.3
		Edge Detail	Tapered	

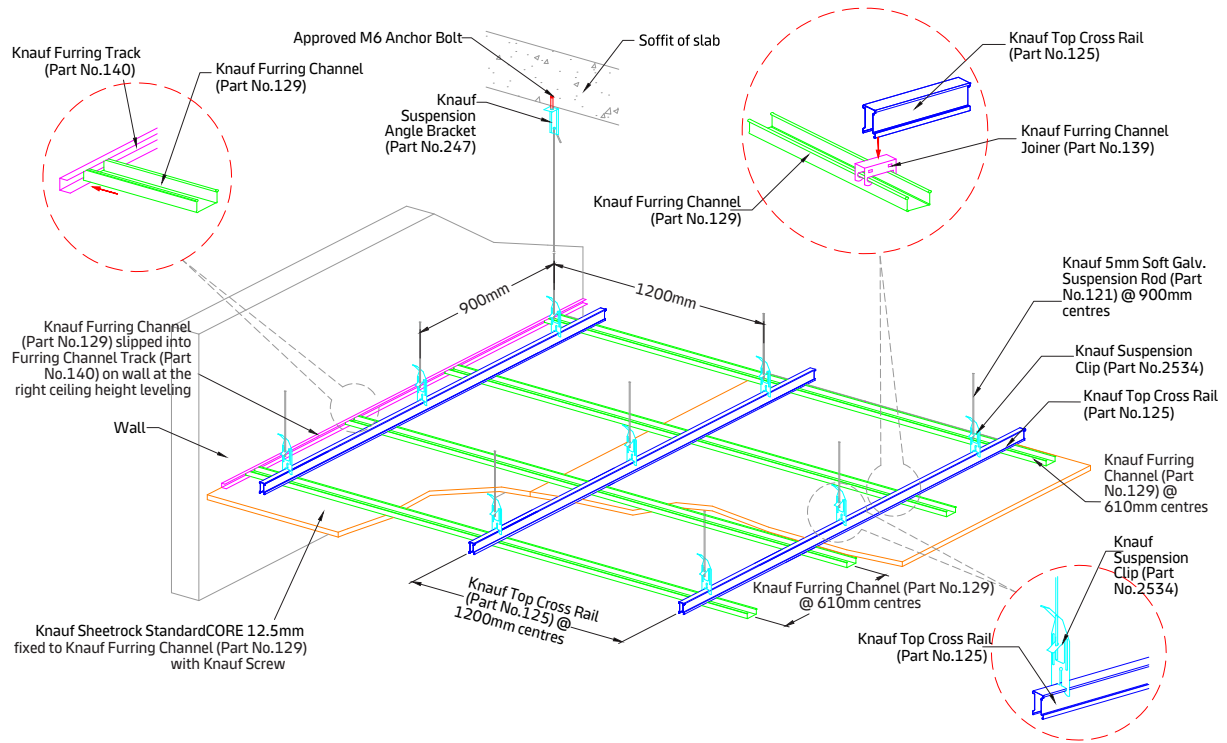
Please refer to Knauf representative for other board sizes.

Applications

Suitable for internal dry areas, ceilings, and walls.

Systems

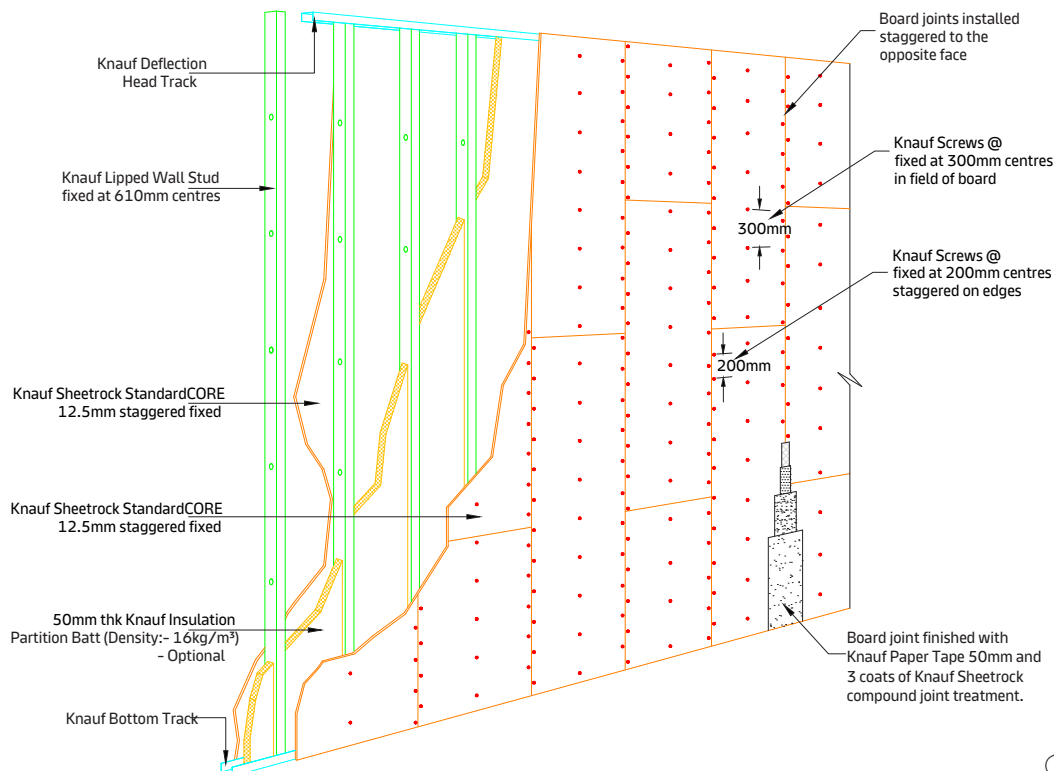
Knauf Concealed Ceiling System with Knauf Sheetrock® StandardCORE™ 12.5mm and KEY-LOCK® System



NOTE:

1. Impose Load: 0.03 kPa (Load Combination: 1.4G + 1.7U)
2. Deflection Limit: $L/360$ with maximum 12mm under service loading for internal ceiling
3. Ceiling System Weight - 7.8kg/m²

Knauf Drywall System with Knauf Sheetrock® StandardCORE™ 16.0mm



KNAUF METAL PRODUCTS:

Shall be free from red rust by 50%, in accordance with ASTM D610-08 (2019) - Standard Practice for Evaluating the Degree of Rusting on Painted Steel Surfaces.



KNAUF SHEETROCK® UNISPAN®



High Performance Lightweight Interior Plasterboard for Ceilings

Knauf Sheetrock® Unispan® is up to 15% lighter than products of similar thickness and offers superior sag resistance performance that allows for greater spans. The panels are easy to lift, carry, and install.

Advantages



Stronger Sag-Defying Strength™

- Fundamentally re-engineered for improved strength-to-weight ratio. Offers superior sag resistance for greater spans.



Lightweight

- It is up to 15% lighter compared to products of similar thickness. It is also easy to carry and install.



Consistent Quality

- Produced in a state-of-the-art ISO 9001 certified plant.



Easier Score and Snap

- A neater snap line, offering potential material cost savings and less wastage.

Product Data

Thickness (mm)	9.5	Edge Detail Product	Tapered
Nominal Weight (kg/m ²)	5.30	Standard	BS EN 520
Nominal Density (kg/m ³)	558	Product Testing	BS 476 Part 6 BS 476 Part 7
Size (mm)	1220 mm x 2440 mm		

Please refer to Knauf representative for other board sizes.

Applications

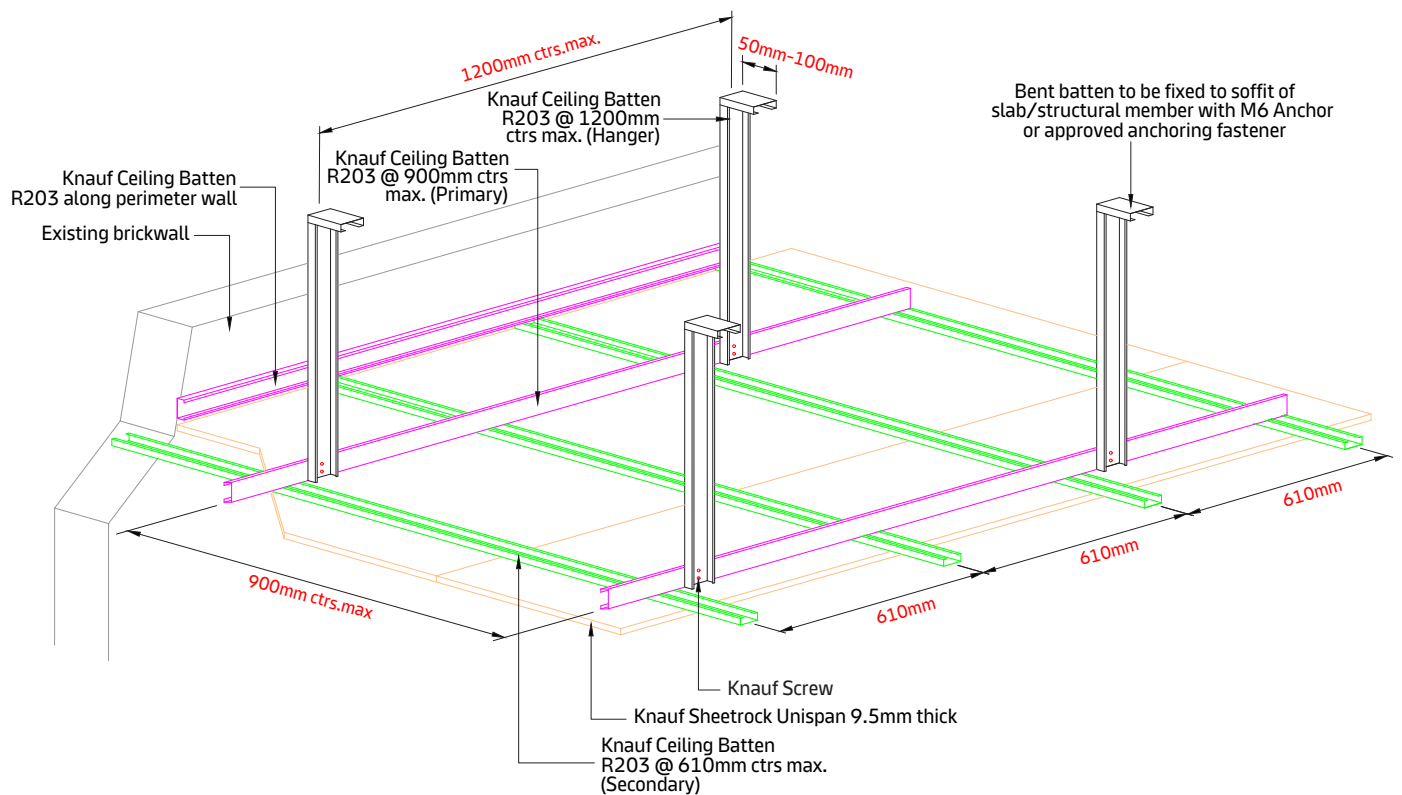
Suitable for internal dry area ceiling.

Systems

Knauf Sheetrock® Unispan® 9.5mm and Knauf Ceiling Batten R203 Framing System

KNAUF METAL PRODUCTS:

Shall be free from red rust by 50%, in accordance with ASTM D610-08 (2019) - Standard Practice for Evaluating the Degree of Rusting on Painted Steel Surfaces.



NOTE:

1. Max. Drop Ceiling 1500mm
2. Not recommended for external use
3. Recommended ceiling batten spacing is strictly for Knauf Ceiling Batten R203 only



KNAUF SHEETROCK® IMPACTSTOP™



High Impact-Resistant

With the unique ability to withstand damage caused by impact from various objects, Knauf Sheetrock® Impactstop™ meets your needs for lightweight, fire-resistant, moisture-resistant and high impact-resistant solutions that are suitable for high-traffic buildings such as medical, education, and high-rise residential buildings. This product has impact, moisture and fire resistance.

Advantages



High Impact Resistance

- Tested under BS 5234 Part 2, achieved severe duty rating.



Aesthetics

- Smooth and seamless surface for instant finishing.
- Electrical cabling and services can be accommodated within studs (bell-mouthed service holes).



Moisture-Resistant

- Low water absorption board.



Superior Acoustic Performance

- STC : 46
*With 1 layer 19.0mm Knauf Sheetrock® Impactstop™ for both sides of wall, Knauf Insulation 16kg/m³, 50mm thickness.



Fire-Resistant

- Knauf Sheetrock® Impactstop™ board is a non-combustible material. 1-hour and 2-hour fire rated systems are available.

Product Data

Thickness (mm)	19.0	Product Standard	BS EN 520
Nominal Weight (kg/m²)	16.8	Product Testing	BS 476 Part 6 BS 476 Part 7
Nominal Density (kg/m³)	884.2		
Size (mm)	1220 mm x 2440 mm		
Edge Detail	Tapered	System Testing	BS 476 Part 22 BS 5234 Part 2

Please refer to Knauf representative for other board sizes.

Applications

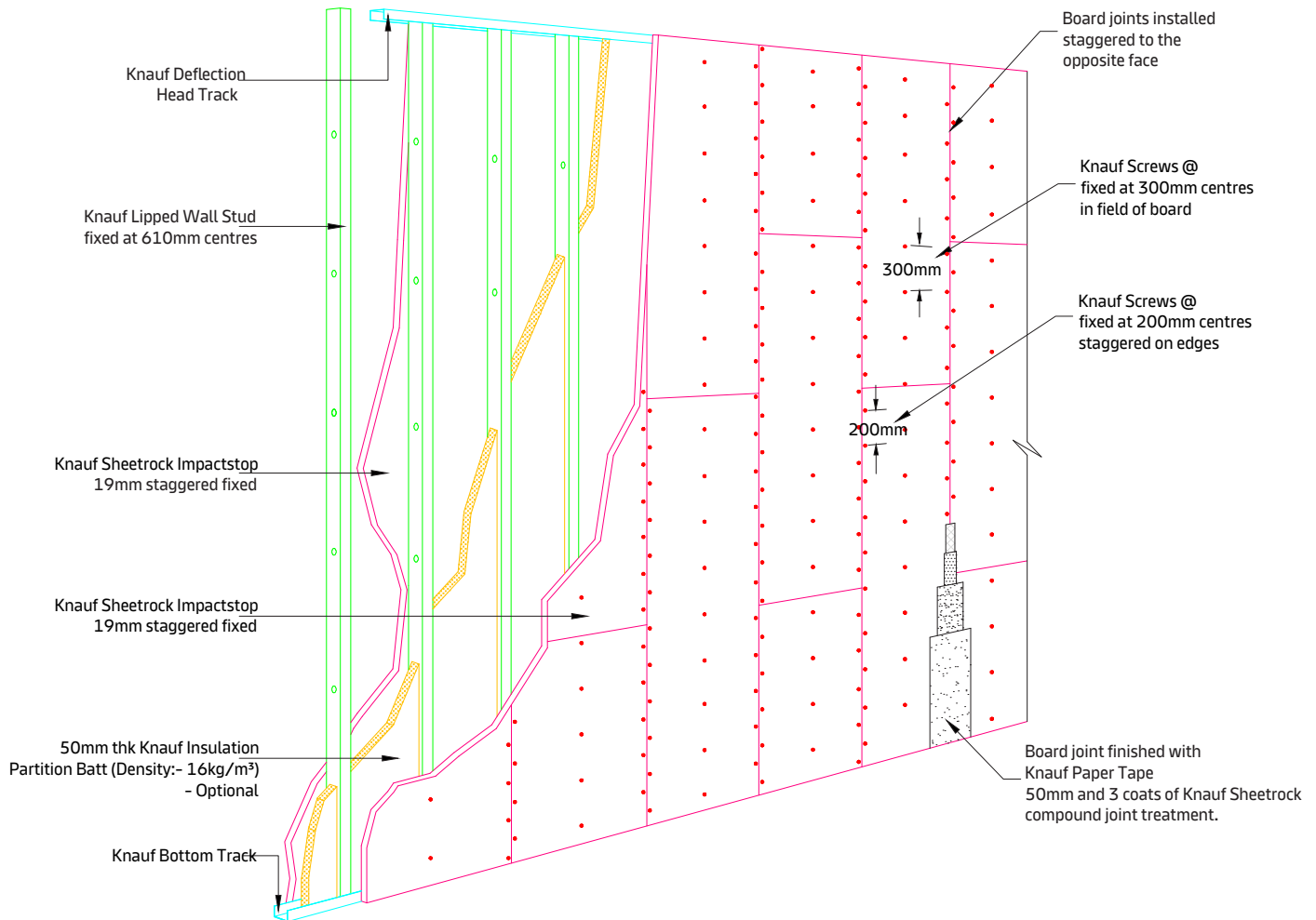
Ideally used for internal wall systems in buildings with high traffic.

Systems

Knauf Impactwall™ System with Knauf Sheetrock® Impactstop™ 19.0mm

KNAUF METAL PRODUCTS:

Shall be free from red rust by 50%,
in accordance with ASTM D610-
08 (2019) - Standard Practice for
Evaluating the Degree of Rusting
on Painted Steel Surfaces.



KNAUF SHEETROCK® FIRESTOP™



Fire-Resistant, Industry Leader

Knauf Sheetrock® Firestop™ is specially developed and tested for use in fire rated applications. Knauf Sheetrock® Firestop™ is ideal for walls and ceilings in residential and commercial constructions for fire protection. The application of Knauf Sheetrock® Firestop in single and multiple layers provides a variety of fire rated and acoustic performance.

Advantages



Fire Safety

- Knauf Sheetrock® Firestop™ is able to prevent the spread of fire up to 4 hours, depending on system applied.
- Knauf Sheetrock® Firestop™ is ideal for lining walls and ceilings to ensure effective fire protection.



Aesthetics

- Seamless and smooth finish.



Consistent Quality

- Produced in a state-of-the-art ISO 9001 certified plant.

Product Data

Thickness (mm)	16.0	Edge Detail Product	Tapered
Nominal Weight (kg/m ²)	13.60	Standard	BS EN 520
Nominal Density (kg/m ³)	850	Product Testing	BS 476 Part 6
Size (mm)	1220 mm x 2440 mm	System Testing	BS 476 Part 7 BS 476 Part 22

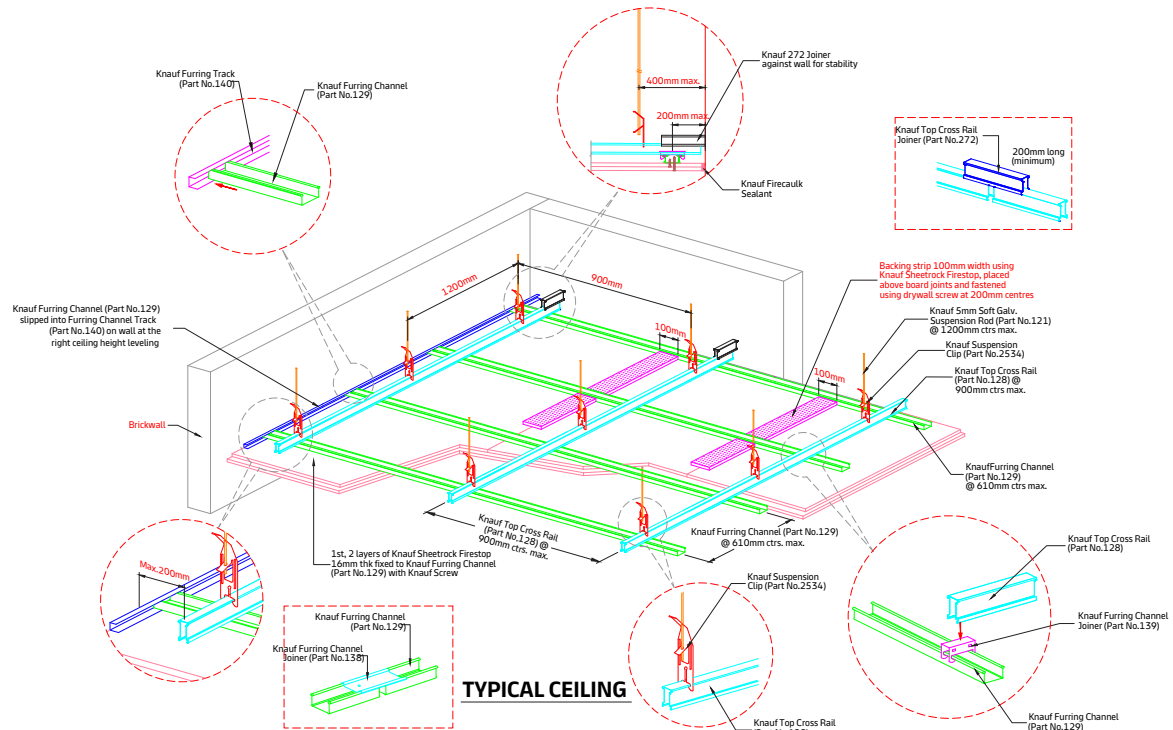
Please refer to Knauf representative for other board sizes.

Applications

Suitable for fire rated partition systems, for commercial and residential buildings.

Systems

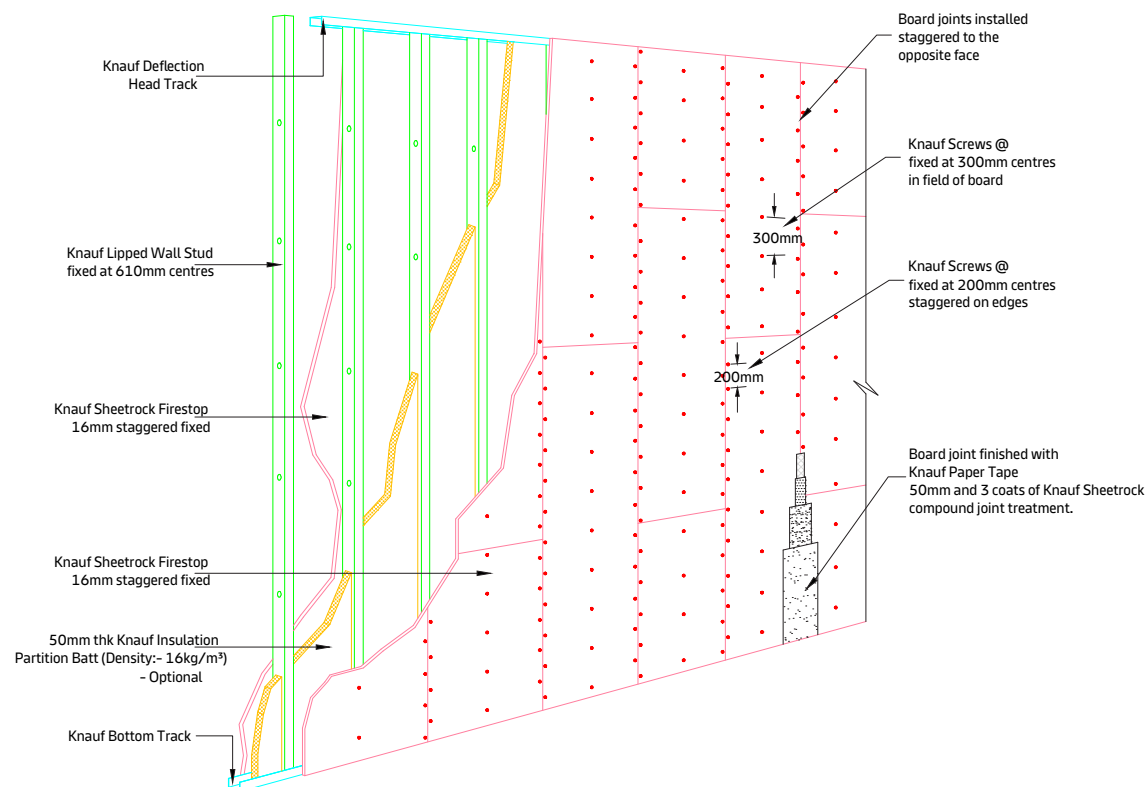
Knauf 1-Hour Fire Rated Ceiling System



NOTE:

1. Internal Pressure: $P_{ult} = 0.375 \text{ kPa}$
 $P_{ser} = 0.250 \text{ kPa}$
2. Deflection Limit: $L/360$ with maximum 12mm under service loading for internal ceiling
3. Ceiling System Weight 27.2 kg/m^2

Knauf 1-Hour Fire Rated Drywall System

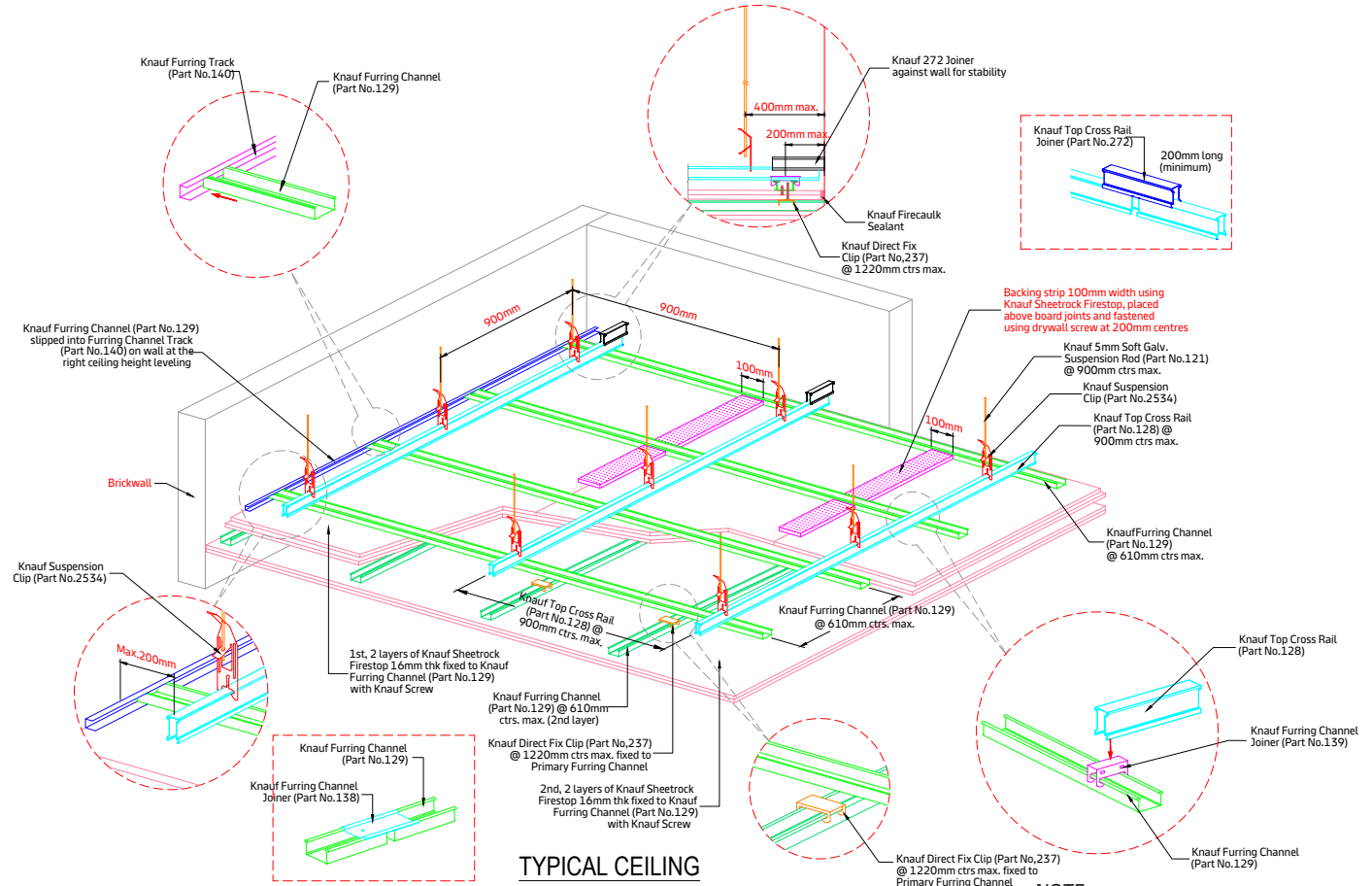


**KNAUF METAL
PRODUCTS:**

Shall be free from red rust by 50%, in accordance with ASTM D610-08 (2019) - Standard Practice for Evaluating the Degree of Rusting on Painted Steel Surfaces.

Systems

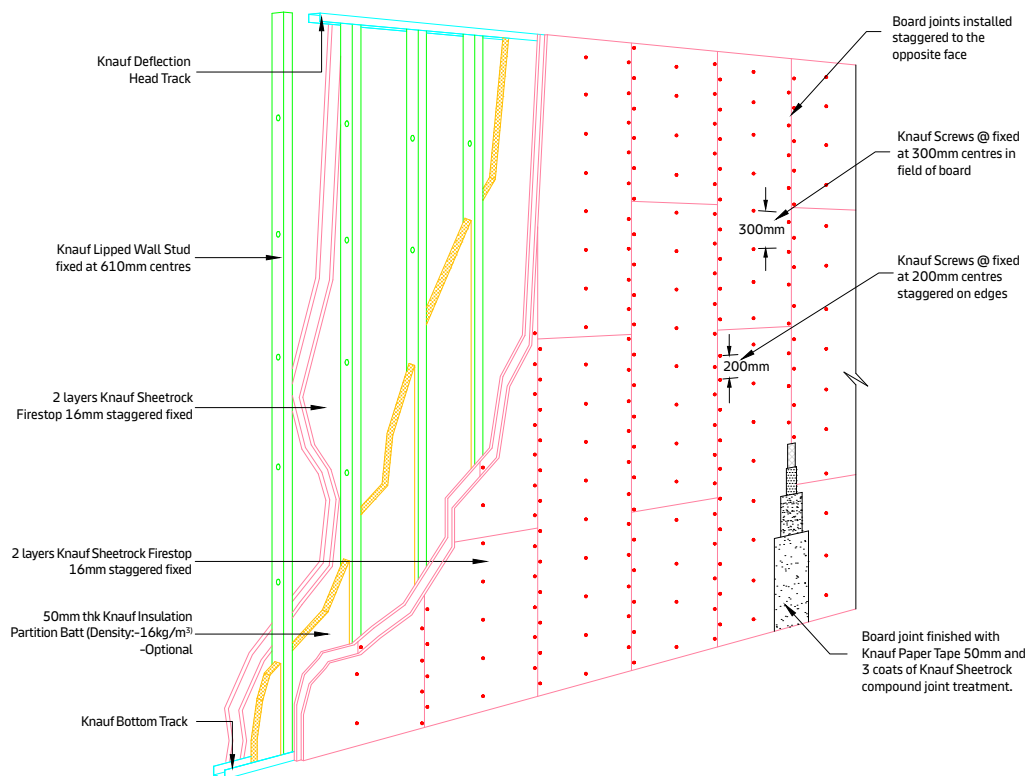
Knauf 2-Hour Fire Rated Knauf Key-Lock Ceiling System



NOTE:

1. Internal Pressure: $P_{ult} = 0.375 \text{ kPa}$
 $P_{ser} = 0.250 \text{ kPa}$
2. Deflection Limit: $L/360$ with maximum 12mm under service loading for internal ceiling
3. Ceiling System Weight 54.4 kg/m^2

Knauf 2-Hour Fire Rated Drywall Partition



KNAUF SHEETROCK® WETSTOP™



Superior Moisture-Resistant

Through the development of extensive research by Knauf, Knauf Sheetrock® Wetstop™ is the latest advancement in moisture-resistant plasterboard range.

Advantages



Moisture-Resistant

- Low water absorption board with less than 5% water absorption rate. Ideal for non-direct water exposure wet area wall and wet area ceiling application.



Aesthetics

- Seamless and smooth finish.



Consistent Quality

- Produced in a state-of-the-art ISO 9001 certified plant.



Plasterboard designed to offer decorative finish

- with moisture-resistant performance.

Product Data

Thickness (mm)	9.5	12.5	Product Standard	BS EN 520:2004
Nominal Weight (kg/m²)	6.60	8.30	Product Testing	BS 476 Part 6 BS 476 Part 7
Nominal Density (kg/m³)	695	664		
Size (mm)	1220 mm x 2440 mm (4' x 8')		Edge Detail	Tapered

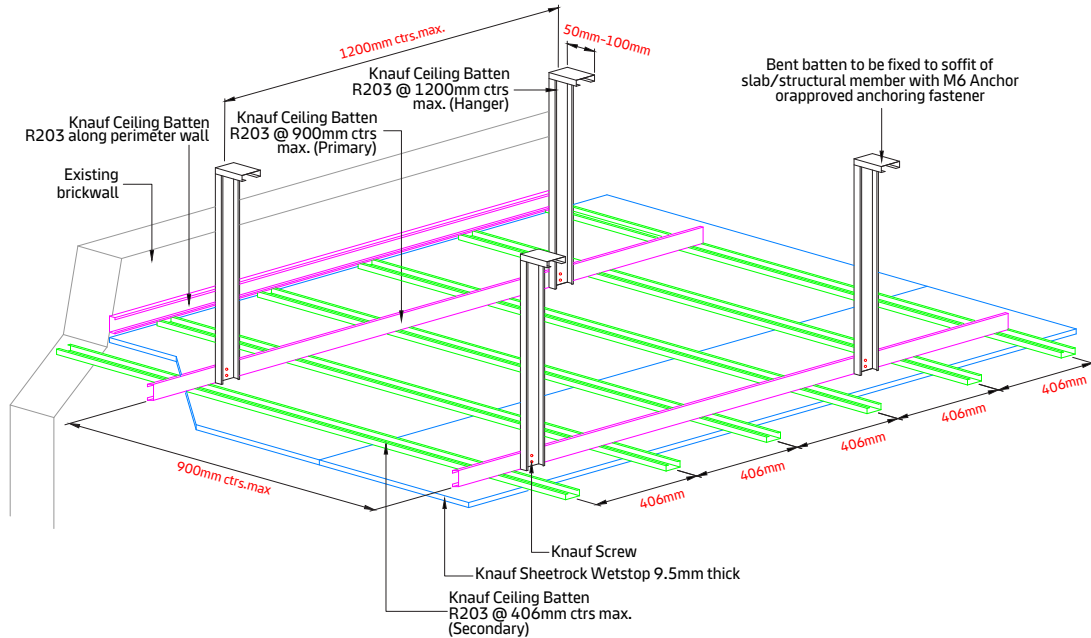
Please refer to Knauf representative for other board sizes.

Applications

Suitable for non direct water exposure wet area wall and wet area ceiling application.

Systems

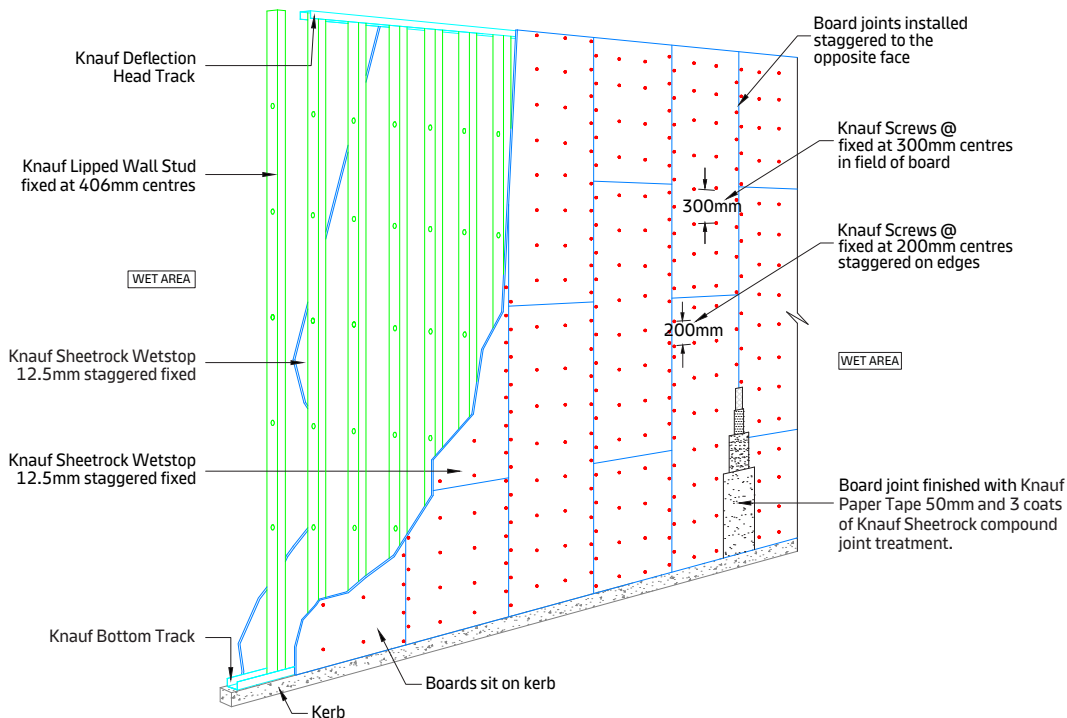
Knauf Moisture-Resistant Ceiling System with Knauf Sheetrock® Wetstop™ 9.5mm



NOTE:

1. Max. Drop Ceiling 1500mm
2. Not recommended for external use
3. Recommended ceiling batten spacing strictly for Knauf Ceiling Batten R203 only

Non-direct Water Exposure Wet Area Wall with Knauf Sheetrock® Wetstop™ 12.5mm



KNAUF METAL PRODUCTS:

Shall be free from red rust by 50%, in accordance with ASTM D610-08 (2019) - Standard Practice for Evaluating the Degree of Rusting on Painted Steel Surfaces.

NOTE:

1. Additional structural support or framing to be advised by specialist/consultant for wall height > 3000mm or width > 3600mm.
2. All parts and components to follow manufacturers detail specification.
3. FRL: non-fire rated
4. Acoustic: Varies
5. Waterproof by others (special attention to be paid to joint between kerb and board as advised by specialist)



KNAUF SHEETROCK® ECHOSTOP™



Excellent Sound Absorption, Aesthetics

Knauf Sheetrock® Echostop™ is a perforated gypsum board, which delivers excellent sound-absorbing quality. It has a solid reputation in improving indoor sound environment and maximise spatial beauty, and as such, has been greatly appreciated by customers for years.

Advantages



Enhanced Acoustic Comfort

- Noise Reduction Coefficient (NRC) performance ranging from 0.60 – 0.85.



Fast and Easy Installation

- System is easy to be installed. Task can be completed quickly.



Aesthetics

- Decorative and stylish appearance that creates a presentable finish.



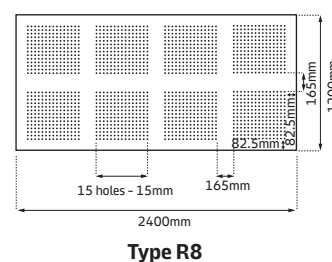
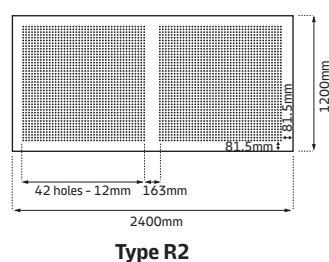
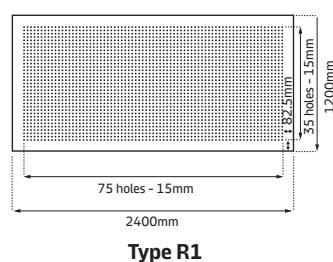
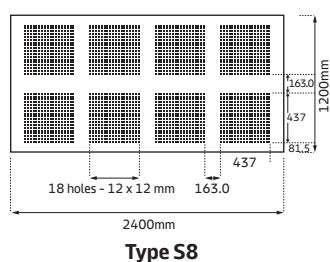
Monolithic Ceiling

- Seamless monolithic concealed ceiling with effective sound reflection control.

Product Data

Sizes (mm)	12mm (T) x 1200mm (W) x 2400mm (L)			
Edge Detail	Tapered			
Type	S8	R1	R2	R8
Weight (kg/m²)	8.0	7.7	7.9	8.2
Perforation Type	Square	Round	Round	Round
Perforation Size	12mm x 12mm	Ø 15mm	Ø 12mm	Ø 15mm
Perforation Rate	13%	16.1 %	13.8 %	11 %
Section	8	1	2	8
Pattern	8 @ 18 x 18	1 @ 75 x 35	2 @ 42 x 42	8 @ 15 x 15
Noise Reduction Coefficient (NRC)	0.85*	0.75*	0.70*	0.60*
Plenum Height	200mm	200mm	300mm	300mm

*Tested with 50mm Glasswool 24kg/m³



Applications

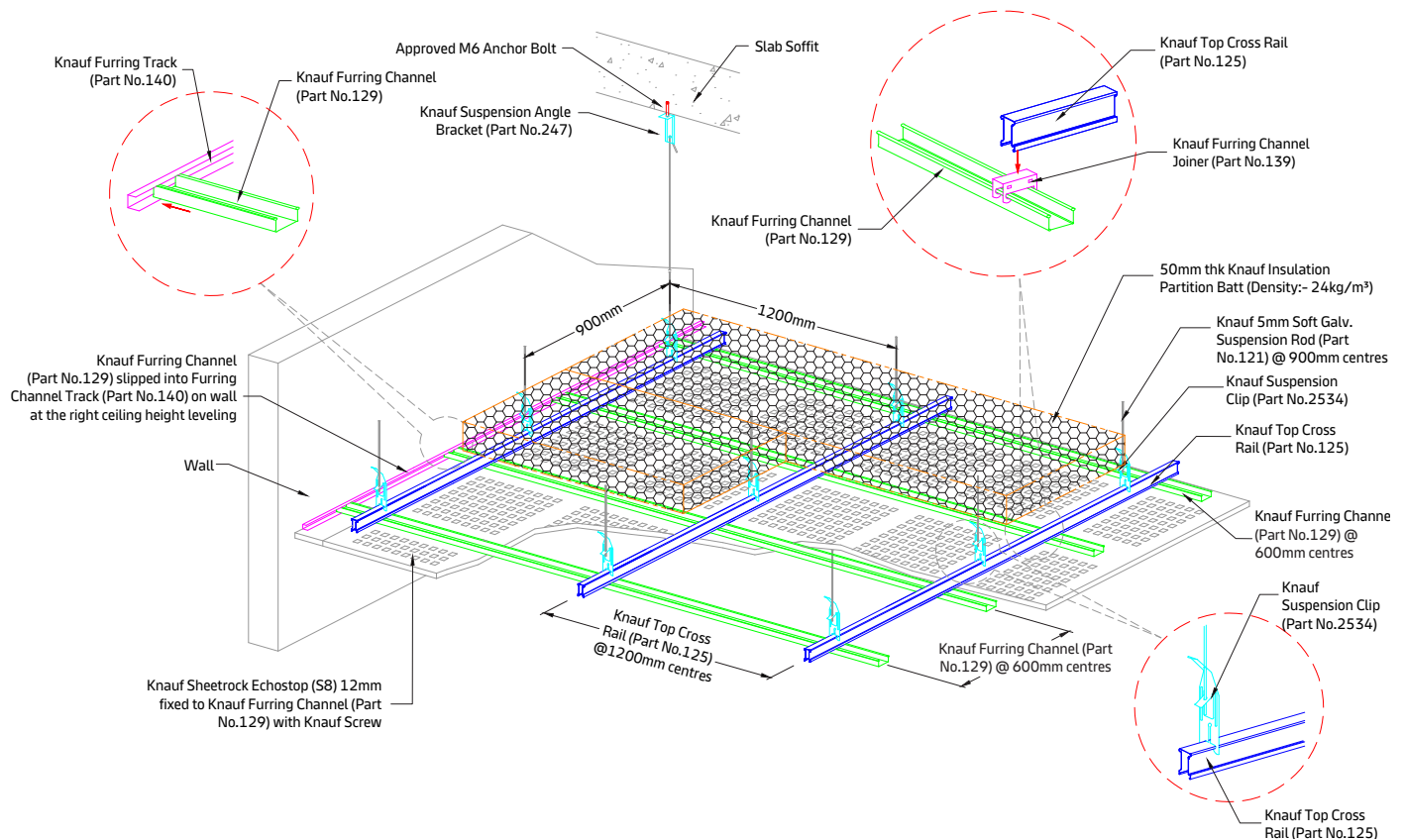
Suitable for internal dry area ceiling and wall lining especially for the commercial segment.

Systems

Knauf Sheetrock® Echostop™ 12mm with KEY-LOCK® System

KNAUF METAL PRODUCTS:

Shall be free from red rust by 50%,
in accordance with ASTM D610-08 (2019) - Standard Practice for Evaluating the Degree of Rusting on Painted Steel Surfaces.



NOTE:

1. Internal Pressure: $P_{ult} = 0.375 \text{ kPa}$
 $P_{ser} = 0.250 \text{ kPa}$
2. Deflection Limit: $L/360$ with maximum 12mm under service loading for internal ceiling
3. Ceiling System Weight - 12.5 kg/m^2

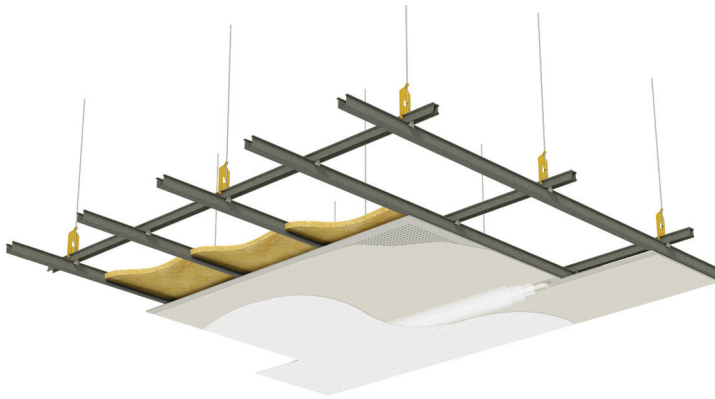


2 *Ceilings*

We offer top-tier acoustical and specialty ceilings, setting new benchmarks in productivity and efficiency and empowering contractors and architects to create high-quality, innovative designs. Our solutions not only enhance the aesthetic appeal of any space but also ensure superior acoustics and durability. With a commitment to sustainability and compliance, we provide products that meet the highest industry standards, backed by comprehensive warranties. Partner with us to transform your construction projects with cutting-edge, reliable, and customer-centric solutions.



KNAUF ENSEMBLE® SEAMLESS ACOUSTICAL PLASTERBOARD CEILING

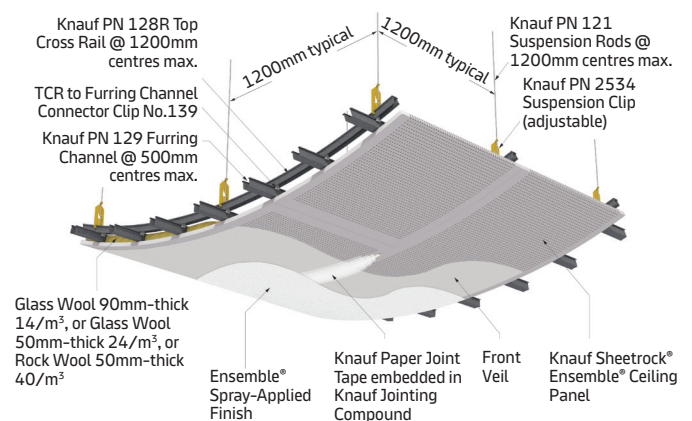
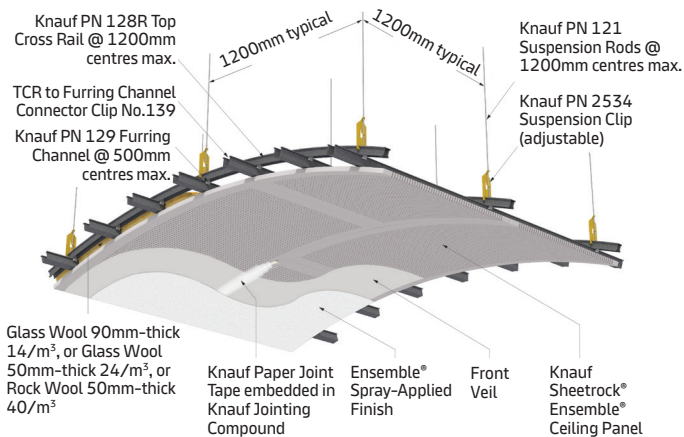


Installation Details

Knauf Ensemble® Seamless
Acoustical Plasterboard
Ceiling

NOTES:

1. Refer for Technical Manual (Installation Guide) for details.
2. Insulation backing not shown for clarity.



Seamless Plasterboard Look With True Acoustical Performance

Product Features

- Non-directional, monolithic appearance with fine texture
- Highly engineered Knauf Sheetrock® Ensemble® Ceiling Panel to optimise sound performance
- Installs and finishes similar to traditional plasterboard
- Up to NRC 0.80, α_w 0.80 (L), CAC 48
- High light-reflective finish (LR-0.85) reducing fixture and energy use
- Acoustically transparent spray-applied finish
- Can be curved in concave and convex geometry with a minimum radius of 4000mm to achieve design flexibility



Applications

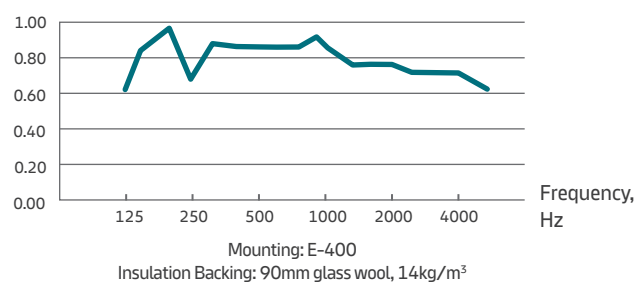
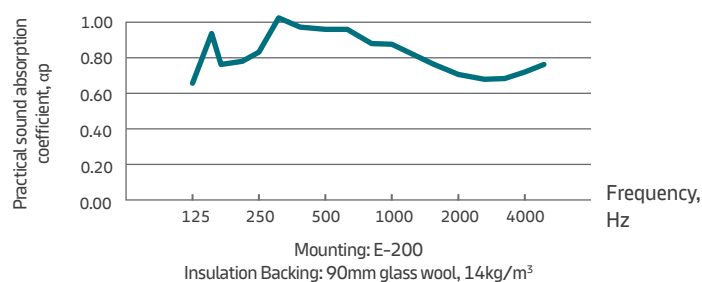
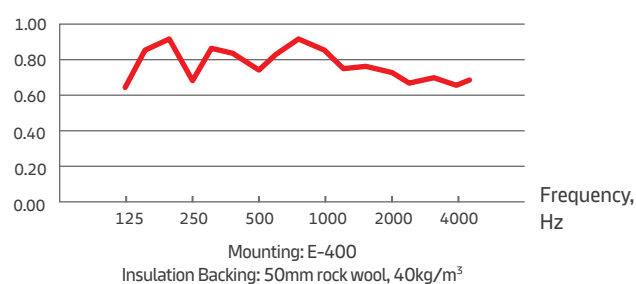
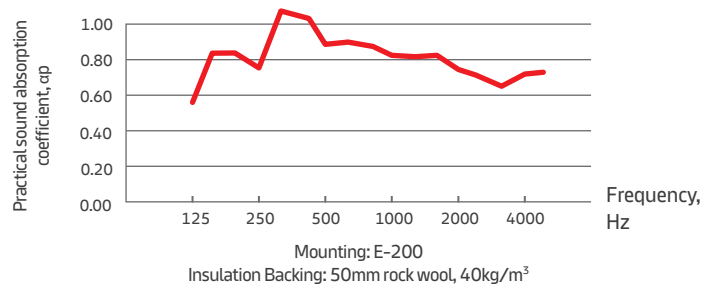
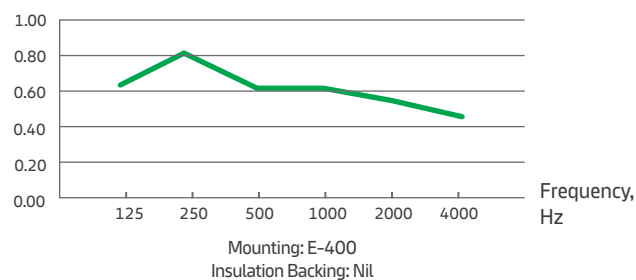
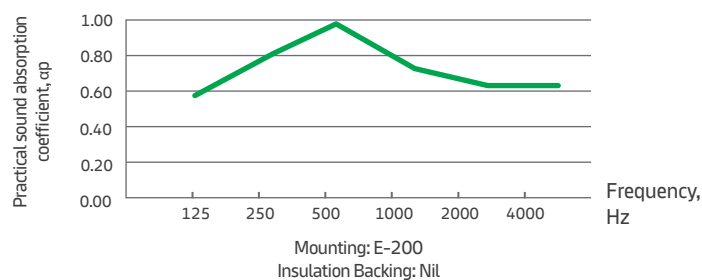
- Reception areas
- Lobbies
- Conference rooms
- Restaurant dining areas
- Museums
- Galleries
- Spaces with multiple hard surfaces
- Courtrooms
- Offices
- Classrooms/higher education centres
- Libraries
- Healthcare offices
- Retail

Performance Data

Sound absorption performance ratings

Mounting	Insulation	NRC	SAA	α_w	Test Report No.
E-200	None	0.70	0.75	0.70 (LM)	ATS17-043-RP025
	50mm rock wool, 40kg/m ³	0.80	0.85	0.80 (L)	ATS17-043-RP026
	90mm glass wool, 14kg/m ³	0.80	0.85	0.80 (L)	ATS17-043-RP027

Mounting	Insulation	NRC	SAA	α_w	Test Report No.
E-400	None	0.60	0.68	0.65 (L)	ATS17-043-RP018
	50mm rock wool, 40kg/m ³	0.75	0.80	0.75 (L)	ATS17-043-RP019
	90mm glass wool, 14kg/m ³	0.80	0.81	0.80	ATS17-043-RP020



NOTES:

1. Tested in accordance with ASTM C423 – 09a 'Standard Test Method' for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
2. Testing conducted at Acoustic Testing Services Limited (ATSL), Hong Kong – accredited by Hong Kong Accreditation Service (HKAS).
3. α_w derived from ASTM test report.
4. Performance data shown are results of actual tests conducted by Knauf.

Over-partition Performance Ratings

Insulation	CAC	Test Report No.
None	34	STR18011-6
50mm Rock Wool 40kg/m ³	48	STR18011-4
90mm Glass Wool 14kg/m ³	50	STR18011-3

NOTES:

1. Tested in accordance with ASTM E1414 'Standard Test Method for Airborne Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum'.
2. Testing conducted at Supreme NAP Acoustics (Huizhou) Ltd. Laboratory, China – accredited by China National Accreditation Service for Conformity Assessment (CNAS).
3. Performance data shown are results of actual tests conducted by Knauf.

System Components

Product	Sizes	Remarks
Knauf Top Cross Rail (PN 128)	Length: 3600mm, Height: 38mm	Spaced at 1200mm centres
Knauf Top Cross Rail (PN 128R) for Curve Application		
Knauf Furring Channel (PN 129)	Length: 3600mm, Height: 28mm	Spaced at 400mm centres
Knauf Furring Channel Track (PN 140) for Perimeter	Length: 3000mm	
Knauf TCR and Rod Joiner (PN 2534)		
Knauf TCR to FC Joiner (PN 139)		
Knauf 5mm Soft Galvanised Suspension Rod (PN 121)	Length: 3600mm	Spaced at 1200mm centres
Knauf Butt Joint Stitching Batten (PN B005)		
50mm-thick 24kg/m ³ Glass Wool; or	50mm x 1200mm x 12000mm	Packed in a roll
50mm-thick 40kg/m ³ Rock Wool; or	50mm x 1200mm x 600mm	Packed in slabs
90mm-thick 14kg/m ³ Glass Wool	90mm x 1200mm x 7500mm	Packed in a roll
Knauf Sheetrock® Ensemble® Ceiling Panel	12.5mm x 1200mm x 2400mm	
Knauf Paper Joint Tape	50mm x 150m	
Knauf Stopping Compound	20kg per bag	
Knauf Sheetrock® Plus 3™	19kg per pail	
Ensemble® Spray-Applied Finish (White)	17L per pail	

Knauf Sheetrock® Ensemble® Ceiling Panel Specifications

Feature	Description
Thickness	13.0mm (including veils)
Pattern	12.0mm diameter round hole
Edge Profile	Recessed edge
Sheet Size	1200mm x 2400mm
Paper Colour	Ivory paper (front)
Veil Colour	White veil (front and back)
Open Area	20%
Mass	7kg/m ² (Note: Perforated and laminated)
Fire Hazard Properties	Non-combustible (BS 476)
TVOCs Emission	< 0.1mg/m ³ (under SGBC criteria – pass)

Limitations

1. For interior ceilings only.
2. Not for use in areas subject to continuous high heat and/or humid conditions.
3. Return air ducts and other fixtures shall be installed to the manufacturer's recommendations and local building code requirements.
4. Installations must be done according to Knauf Technical Manual (Installation Guide) to ensure warranted performance.
5. In order to ensure installed performance, component substitutions are not permitted.
6. The minimum concave and convex curve radius is 4000mm.
7. The curve is unidirectional in length only.

PIN PERF™ CLIMAPLUS™



Pin Perf Panels with ClimaPlus Performance /
DONN DX / DXL Suspension System

Perforated-textured panel



Features and Benefits

- Random, fine and coarse perforations
- ClimaPlus™ performance to withstand conditions up to 49°C (120°F) / 99% relative humidity without visible sag.

Applications

- Department Stores
- Offices
- Corridors
- Retail Store

Substrate

- Water-felted mineral fiber

Pin Perf™ ClimaPlus™

Pin Perf ClimaPlus Panels

Edge	Panel Size ³	Class	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emmissions	Anti-Mold & Mildew	Recycled Content ¹
											
SQ 	2 x 2 x 5/8" 600 x 600 x 16mm	Class A	10215 ME 10215	.60	33	.88 	White	A, B, C	Low		43%
	2 x 4 x 5/8" 600 x 1200 x 16mm	Class A	10415 ME 10415	.60	35	.88 	White	A	Low		43%
SLT 	600 X 600 X 16mm	Class A	ME 10225	.60	33	.88 	White	D	Low		43%
	600 x 1200 x 16mm	Class A	ME 10425	.60	35	.88 	White	D	Low		43%
FLB 	600 x 600 x 16mm	Class A	ME 10235	.60	33	.88 	White	E, F, G	Low		43%
	600 x 1200 x 16mm	Class A	ME 10435	.60	35	.88 	White	E, F, G	Low		43%

Legend



Low Emission (VOC Class)

Low emitting products, tested per ASTM D5116-06 testing methods



ClimaPlus Superior Performance

Contains a broad-spectrum antifungal additive on the face and back of the panel that provides resistance against the growth of mold and mildew



≥ .85 LR

Grid Profile Options

Donn® Grid System

A DXI DXII	B DXT	C DXM™	D DXI DXII	E DXT™	F Fineline® FLW/FLB	G DXM™

Physical Data / Footnotes

ASTM E1264 Classification

Type III, Form 2, pattern C, E

ASTM E84 surface burning characteristics

Class A

Flame spread: 25

Smoke developed: 50

Imperial Weight

0.83-0.85 lb./ft²

Metric Weight

4.08-4.18 kg/m²

Thermal Resistance

R-1.7

Backloading

Refer to installation and Maintenance

Maintenance

Can be cleaned easily with a soft brush or vacuum.

Footnotes

1. Recycled content calculated as per ISO14021.

2. LR values are shown as averages.

3. Dimension published in module size. Not all panel sizes available in all geographic areas, other imperial sizes available to order.

Short Specifications:

- Ceiling system shall comprise USG Pin Perf ClimaPlus™ high humidity resistant acoustical ceiling panels in (DONN 15mm [9/16"] / DONN DX 24mm [15/16"] / DONN DXM Omega 14mm [9/16"] / DONN DXF Fineline 15mm [9/16"]) exposed grid including wall trim.
- Panels shall have NRC 0.60.
- Panels shall have CAC 33-35.
- Nominal size (600mm x 600mm / 600mm x 1200mm) x 16mm / (2' x 2' / 2' x 4') x 5/8"
- Edge detail shall be (Fineline Bevel [FLB] / Shadowline Tapered [SLT] / Square Edge [SQ]).
- Limiting Conditions - Maximum 49°C (120°F)/99% RH.

PIN PERF™ CLIMAPLUS™ HIGH NRC



Pin Perf Panels with Climaplus Performance /
DONN DX / DXL Suspension System

Perforated-textured panel



Features and Benefits

- Random, fine and coarse perforations
- Climaplus™ performance to withstand conditions up to 49°C (120°F) / 99% relative humidity without visible sag.

Applications

- Department Stores
- Offices
- Corridors
- Retail Store

Substrate

- Water-felted mineral fiber

Pin Perf™ Climaplus™ High NRC

Pin Perf Climaplus High NRC Panels

Edge	Panel Size ³	Class	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew	Recycled Content ¹
											
SQ 	600 x 600 x 19mm	Class A	ME 10210	.70 	33	.88 	White	A, B, C	Low		43%
	600 x 1200 x 19mm	Class A	ME 10410	.70 	35	.88 	White	A	Low		43%
SLT 	600 X 600 X 19mm	Class A	ME 10220	.70 	33	.88 	White	D	Low		43%
	600 x 1200 x 19mm	Class A	ME 10420	.70 	35	.88 	White	D	Low		43%
FLB 	600 x 600 x 19mm	Class A	ME 10230	.70 	33	.88 	White	E, F, G	Low		43%
	600 x 1200 x 19mm	Class A	ME 10430	.70 	35	.88 	White	E, F, G	Low		43%

Legend



Low Emission (VOC Class)

Low emitting products, tested per ASTM D5116-06 testing methods



ClimaPlus Superior Performance

Contains a broad-spectrum antifungal additive on the face and back of the panel that provides resistance against the growth of mold and mildew



≥ .70 NRC



≥ .85 LR

Grid Profile Options

Donn® Grid System

A DXI DXII	B DXT	C DXM™	D DXI DXII	E DXT™	F Fineline® FLW/FLB	G DXM™

Physical Data / Footnotes

ASTM E1264 Classification

Type III, Form 2, pattern C, E

ASTM E84 surface burning characteristics

Class A

Flame spread: 25

Smoke developed: 50

Metric Weight

5.70–6.10 kg/m²

Thermal Resistance

R-1.7

Backloading

Refer to installation and Maintenance

Maintenance

Can be cleaned easily with a soft brush or vacuum.

Footnotes

1. Recycled content calculated as per ISO14021.

2. LR values are shown as averages.

3. Dimension published in module size. Not all panel sizes available in all geographic areas, other imperial sizes available to order.

Short Specifications:

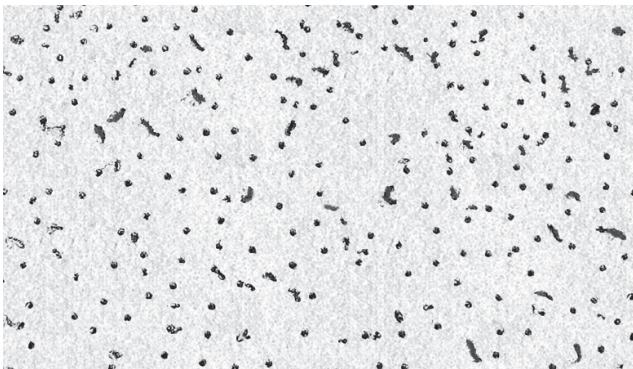
- Ceiling system shall comprise USG Pin Perf ClimaPlus™ High NRC humidity resistant acoustical ceiling panels in (DONN 15mm [9.16"] / DONN DX 24mm [15/16"] / DONN DXM Omega 14mm [9/16"] / DONN DXF Fineline 15mm [9/16"]) exposed grid including wall trim.
- Panels shall have NRC 0.70.
- Panels shall have CAC 33–35.
- Nominal size (600mm x 600mm / 600mm x 1200mm) x 19mm
- Edge detail shall be (Fineline Bevel [FLB] / Shadowline Tapered [SLT] / Square Edge [SQ]).
- Limiting Conditions – Maximum 49°C (120°F)/99% RH.

IMPRESSIONS™ CLIMAPLUS™



Impressions Panels with Climaplus Performance /
DONN Centricitee DXT Suspension System

Medium-textured panel



Features and Benefits

- Micro fissure non-directional pattern for a cleaner, whiter appearance
- Climaplus™ performance to withstand conditions up to 49°C (120°F) / 99% relative humidity without visible sag.

Applications

- Offices
- Warehouse
- Showrooms
- Retail
- Schools
- Restaurants

Substrate

- Water-felted mineral fiber

Impressions™ Climaplus™

Impressions Climaplus Panels

Edge	Panel Size ³	Class	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew	Recycled Content ¹
											
SQ 	2 x 2 x 5/8" 600 x 600 x 16mm	Class A	903 ME903	.60	33	.84	White	A, B, C	Low		43%
	2 x 4 x 5/8" 600 x 1200 x 16mm	Class A	904 ME904	.60	35	.84	White	A	Low		43%
SLT 	2 x 2 x 5/8" 600 x 600 x 16mm	Class A	905 ME905	.60	33	.84	White	D	Low		43%
	2 x 4 x 5/8" 600 x 1200 x 16mm	Class A	908 ME908	.60	35	.84	White	D	Low		43%
FLB 	600 x 600 x 16mm	Class A	ME916	.60	33	.84	White	E, F, G	Low		43%
	600 x 1200 x 16mm	Class A	ME911	.60	35	.84	White	E, F, G	Low		43%

Legend



Low Emission (VOC Class)

Low emitting products, tested per ASTM D5116-06 testing methods



ClimaPlus Superior Performance

Contains a broad-spectrum antifungal additive on the face and back of the panel that provides resistance against the growth of mold and mildew

Grid Profile Options

Donn® Grid System

A DXI DXII	B DXT	C DXM™	D DXI DXII	E DXT™	F Fineline® FLW/FLB	G DXM™

Physical Data / Footnotes

ASTM E1264 Classification

Type III, Form 2, pattern C, D, E

ASTM E84 surface burning characteristics

Class A

Flame spread: 25

Smoke developed: 50

Imperial Weight

0.83-0.85 lb./ft²

Metric Weight

4.08-4.18 kg/m²

Thermal Resistance

R-1.7

Backloading

Refer to installation and Maintenance

Footnotes

1. Recycled content calculated as per ISO14021.

2. LR values are shown as averages.

3. Dimension published in module size. Not all panel sizes available in all geographic areas, other imperial sizes available to order.

Short Specifications:

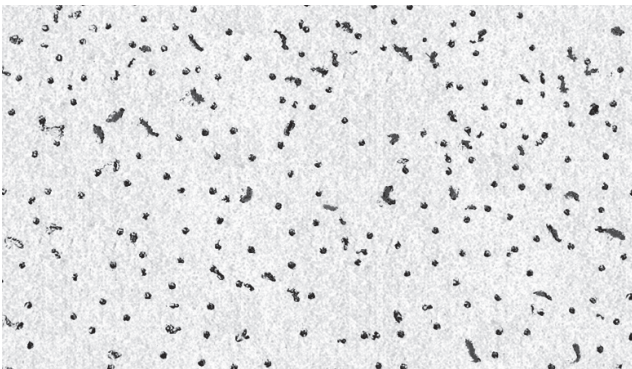
- Ceiling system shall comprise USG Impression ClimaPlus™ high humidity resistant acoustical ceiling panels in (DONN 15mm [9.16"] / DONN DX 24mm [15/16"] / DONN DXM Omega 14mm [9/16"] / DONN DXF Fineline 15mm [9/16"]) exposed grid including wall trim.
- Panels shall have NRC 0.60.
- Panels shall have CAC 33-35.
- Nominal size (600mm x 600mm / 600mm x 1200mm) x 16mm / (2' x 2' / 2' x 4') 5/8".
- Edge detail shall be (Fineline Bevel [FLB] / Shadowline Tapered [SLT] / Square Edge [SQ]).
- Limiting Conditions - Maximum 49°C (120°F)/99% RH.

IMPRESSIONS™ CLIMAPLUS™ HIGH NRC



Impressions Panels with ClimaPlus Performance /
DONN Centricitee DXT Suspension System

Medium-textured panel



Features and Benefits

- Micro fissure non-directional pattern for a cleaner, whiter appearance
- ClimaPlus™ performance to withstand conditions up to 49°C (120°F) / 99% relative humidity without visible sag.

Applications

- Offices
- Warehouse
- Showrooms
- Retail
- Schools
- Restaurants

Substrate

- Water-felted mineral fiber

Impressions™ ClimaPlus™ High NRC

Impressions ClimaPlus High NRC Panels

Edge	Panel Size ³	Class	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew	Recycled Content ¹
											
SQ 	2' x 2' x 3/4" 600 x 600 x 19mm	Class A	973 ME973	.70 	33	.86 	White	A, B, C	Low		43%
	2' x 4' x 3/4" 600 x 1200 x 19mm	Class A	974 ME974	.70 	35	.86 	White	A	Low		43%
SLT 	2' x 2' x 3/4" 600 x 600 x 19mm	Class A	975 ME975	.70 	33	.86 	White	D	Low		43%
	2' x 4' x 3/4" 600 x 1200 x 19mm	Class A	978 ME978	.70 	35	.86 	White	D	Low		43%
FLB 	600 x 600 x 19mm	Class A	ME976	.70 	33	.86 	White	E, F, G	Low		43%
	600 x 1200 x 19mm	Class A	ME971	.70 	35	.86 	White	E, F, G	Low		43%

Legend



Low Emission (VOC Class)

Low emitting products, tested per ASTM D5116-06 testing methods



ClimaPlus Superior Performance

Contains a broad-spectrum antifungal additive on the face and back of the panel that provides resistance against the growth of mold and mildew



≥ .85 LR

Grid Profile Options

Donn® Grid System

A DXI DXII	B DXT	C DXM™	D DXI DXII	E DXT™	F Fineline® FLW/FLB	G DXM™

Physical Data / Footnotes

ASTM E1264 Classification

Type III, Form 2, pattern C, D, E

Thermal Resistance

R-1.7

ASTM E84 surface burning characteristics

Class A

Flame spread: 25

Smoke developed: 50

Backloading

Refer to installation and Maintenance

Footnotes

1. Recycled content calculated as per ISO14021.

2. LR values are shown as averages.

3. Dimension published in module size. Not all panel sizes available in all geographic areas, other imperial sizes available to order.

Metric Weight

5.70–6.10 kg/m²

Short Specifications:

- Ceiling system shall comprise USG Impression ClimaPlus™ High NRC humidity resistant acoustical ceiling panels in (DONN 15mm [9.16"] / DONN DX 24mm [15/16"] / DONN DXM Omega 14mm [9/16"] / DONN DXF Fineline 15mm [9/16"]) exposed grid including wall trim.
- Panels shall have NRC 0.70.
- Panels shall have CAC 33–35.
- Nominal size (600mm x 600mm / 600mm x 1200mm) x 19mm / (2' x 2' / 2' x 4') 5/8".
- Edge detail shall be (Fineline Bevel [FLB] / Shadowline Tapered [SLT] / Square Edge [SQ]).
- Limiting Conditions – Maximum 49°C (120°F)/99% RH.

MARS™ CLIMAPLUS™



Mars Panels with ClimaPlus Performance / DONN DX / DXL Suspension System

Medium-textured panel



Features and Benefits

- Excellent noise reduction (NRC .70)
- High light-reflective finish (LR-.89) reduces light fixtures and energy use.
- Non-directional, monolithic visual reduces installation time and waste.
- ClimaPlus™ performance to withstand conditions up to 49°C (120°F) / 99% relative humidity without visible sag.

Applications

- Offices
- Conference rooms
- Healthcare
- Classrooms
- Corridors
- Reception/Lobby areas
- Dining rooms, kitchens and food prep areas

Substrate

- Water-felted mineral fiber

Mars™ ClimaPlus™

Mars ClimaPlus Panels

Edge	Panel Size ³	Class	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew	Recycled Content ¹
											
SQ	600 x 600 x 19mm	Class A	ME 8210	.70	33	.89	White	A, B, C	Low		72%
	600 x 1200 x 19mm	Class A	ME 8410	.70	35	.89	White	A	Low		72%
SLT	600 X 600 X 19mm	Class A	ME 8220	.70	33	.89	White	D	Low		72%
	600 x 1200 x 19mm	Class A	ME 8420	.70	35	.89	White	D	Low		72%
FL	600 x 600 x 19mm	Class A	ME 8230	.70	33	.89	White	E, F, G	Low		72%
	600 x 1200 x 19mm	Class A	ME 8430	.70	35	.89	White	E, F, G	Low		72%

Legend



Low Emission (VOC Class)

Low emitting products, tested per ASTM D5116-06 testing methods



ClimaPlus Superior Performance

Contains a broad-spectrum antifungal additive on the face and back of the panel that provides resistance against the growth of mold and mildew



≥ .70 NRC



≥ .85 LR

Grid Profile Options

Donn® Grid System

A DXI DXII	B DXT	C DXM™	D DXI DXII	E DXT™	F Fineline® FLW/FLB	G DXM™

Physical Data / Footnotes

ASTM E1264 Classification

Type IV, Form 1 and 2, Pattern E, G

Thermal Resistance

R-1.7

Footnotes

1. Recycled content calculated as per ISO14021.

ASTM E84 surface burning characteristics

Class A

Flame spread: 25

Smoke developed: 50

Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface

2. LR values are shown as averages.

3. Dimension published in module size. Not all panel sizes available in all geographic areas, other imperial sizes available to order.

Metric Weight

5.17 kg/m²

Short Specifications:

- Ceiling system shall comprise USG Mars™ ClimaPlus™ high humidity / fire resistant acoustical ceiling panels in (DONN Centricitee 15mm [9/16"] / DONN DX 24mm [15/16"] DONN Fineline 15mm [9/16"] exposed grid including wall trim.
- Panels shall have NRC 0.70.
- Panels shall have CAC 35.
- Nominal size (600mm x 600mm / 600mm x 1200mm) x 19mm
- Edge detail shall be (Fineline Bevel [FLB] / Shadowline Tapered [SLT] / Square Edge [SQ]).
- Limiting Conditions - Maximum 49°C (120°F)/99% RH.

OLYMPIA MICRO™ CLIMAPLUS™



Olympia Micro Panels with ClimaPlus Performance /
DONN DX / DXL Suspension System

Fine-textured
panel - Perforated

Fine-textured
panel - Unperforated



Features and Benefits

- Nondirectional pattern reduces installation time and waste
- ClimaPlus™ performance to withstand conditions up to 49°C (120°F) / 99% relative humidity without visible sag.

Applications

- Offices
- Classrooms
- Reception / Lobby areas
- Hotel
- Conference areas
- Retail stores

Substrate

- Water-felted mineral fiber

Olympia Micro™ ClimaPlus™

Edge	Panel Size ³	Class	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew	Recycled Content ¹
Olympia Micro ClimaPlus Unperforated											
SQ 	2' x 2' x 5/8"	Class A	4911	-	30	.88	White	A, B, C	Low		55%
	2' x 4' x 5/8" 600 x 1200 x 16mm	Class A	4913 ME 4913	-	30	.88	White	A	Low		55%
Olympia Micro ClimaPlus Perforated											
SQ 	600 X 600 X 16mm	Class A	ME 4211	.50	30	.88	White	D	Low		55%
	600 x 1200 x 16mm	Class A	4411 ME 4411	.50	30	.88	White	D	Low		55%
FLB 	600 x 600 x 16mm	Class A	ME 4231	.50	33	.88	White	E, F, G	Low		55%
	600 x 1200 x 16mm	Class A	ME 4431	.50	33	.88	White	E, F, G	Low		55%

Legend



Low Emission (VOC Class)

Low emitting products, tested per ASTM D5116-06 testing methods



ClimaPlus Superior Performance

Contains a broad-spectrum antifungal additive on the face and back of the panel that provides resistance against the growth of mold and mildew



≥ .85 LR

Grid Profile Options

Donn® Grid System

A DXI DXII	B DXT	C DXM™	D DXI DXII	E DXT™	F Fineline® FLW/FLB	G DXM™

Physical Data / Footnotes

ASTM E1264 Classification

Type III, Form 2, pattern C, E

ASTM E84 surface burning characteristics

Class A

Flame spread: 25

Smoke developed: 50

Imperial Weight

0.85-0.91 lb./ft²

Metric Weight

4.18-4.46 kg/m²

Thermal Resistance

R-1.7

Backloading

Refer to Installation and Maintenance

Maintenance

Can be cleaned easily with a soft brush or vacuum.

Footnotes

1. Recycled content calculated as per ISO14021.

2. LR values are shown as averages.

3. Dimension published in module size. Not all panel sizes available in all geographic areas, other imperial sizes available to order.

Short Specifications:

- Ceiling system shall comprise USG Olympia™ Micro™ ClimaPlus™ high humidity / fire resistant acoustical ceiling panels in (DONN Centricitee 15mm [9/16"] / DONN DX 24mm [15/16"] / DONN Omega 14mm [9/16"] / DONN Fineline 15mm [9/16"]) exposed grid including wall trim
- Panels shall have NRC 0.50 (perforated).
- Panels shall have CAC 30-35.
- Nominal size (600mm x 600mm / 600mm x 1200mm) x 16mm / (2' x 2' / 2' x 4') x 5/8"
- Edge detail shall be (Fineline Bevel [FLB] / Shadowline Tapered [SLT] / Square Edge [SQ]).
- Limiting Conditions - Maximum 49°C (120°F)/99% RH.

OLYMPUS™ MAX™ CLIMAPLUS™



Olympus Max Panels with ClimaPlus Performance /
DONN DX / DXL Suspension System

Fine-textured panel - Perforated



Features and Benefits

- Nondirectional pattern reduces installation time and waste
- ClimaPlus™ performance to withstand conditions up to 49°C (120°F) / 99% relative humidity without visible sag.

Applications

- Offices
- Classrooms
- Reception / Lobby areas
- Hotel
- Conference areas
- Retail stores

Substrate

- Water-felted mineral fiber

Olympus™ Max™ ClimaPlus™

Olympus™ Max™ ClimaPlus

Edge	Panel Size ³	Class	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew	Recycled Content ¹
											
SQ 	600 x 600 x 19mm	Class A	ME 40210	.70 	33	.88 	White	A, B, C	Low		55%
	600 x 1200 x 19mm	Class A	ME 40410	.70 	35	.88 	White	A	Low		55%
SLT 	600 X 600 X 19mm	Class A	ME 40220	.70 	33	.88 	White	D	Low		55%
	600 x 1200 x 19mm	Class A	ME 40420	.70 	35	.88 	White	D	Low		55%
FLB 	600 x 600 x 19mm	Class A	ME 40230	.70 	33	.88 	White	E, F, G	Low		55%
	600 x 1200 x 19mm	Class A	ME 40230	.70 	35	.88 	White	E, F, G	Low		55%

Legend



Low Emission (VOC Class)

Low emitting products, tested per ASTM D5116-06 testing methods



ClimaPlus Superior Performance

Contains a broad-spectrum antifungal additive on the face and back of the panel that provides resistance against the growth of mold and mildew



≥ .70 NRC



≥ .85 LR

Grid Profile Options

Donn® Grid System

A DXI DXII	B DXT	C DXM™	D DXI DXII	E DXT™	F Fineline® FLW/FLB	G DXM™

Physical Data / Footnotes

ASTM E1264 Classification

Type III, Form 2, pattern C, E

Thermal Resistance

R-1.7

ASTM E84 surface burning characteristics

Class A

Flame spread: 25

Smoke developed: 50

Maintenance

Can be cleaned easily with a soft brush or vacuum.

Footnotes

1. Recycled content calculated as per ISO14021.

2. LR values are shown as averages.

3. Dimension published in module size. Not all panel sizes available in all geographic areas, other imperial sizes available to order.

Imperial Weight

0.83-0.85 lb./ft²

Metric Weight

4.08-4.18 kg/m²

Short Specifications:

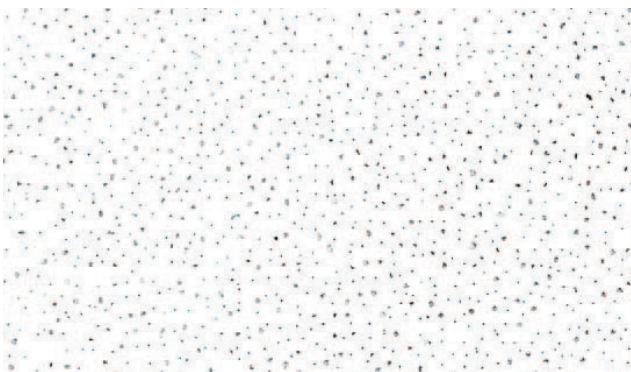
- Ceiling system shall comprise USG Olympus Max ClimaPlus™ high humidity / fire resistant acoustical ceiling panels in (DONN Centricitee 15mm [9/16"] / DONN DX 24mm / DONN Omega 14mm / DONN Fineline 15mm / DONN Identitee 15mm exposed grid including wall trim as manufactured by USG Interiors, LLC.
- Panels shall have NRC 0.70.
- Panels shall have CAC 33-35.
- Nominal size (600mm x 600mm / 600mm x 1200mm) x 19mm
- Edge detail shall be (Fineline Bevel [FLB] / Shadowline Tapered [SLT] / Square Edge [SQ]).
- Limiting Conditions - Maximum 49°C (120°F)/99% RH.

GALAXY™



Galaxy with DONN DX | Suspension System

Random, fine and coarse perforations



Features and Benefits

- Economical, all-purpose ceiling pattern available in various panel sizes and edge details.

Applications

- Retail or Department stores
- Offices
- Corridors

Substrate

- Water-felted mineral fiber

Galaxy™

Galaxy Panels

Edge	Panel Size ³	Class	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew	Recycled Content ¹
											
SQ 	2' x 2' x 2" 600 x 600 x 12mm	Class A	32212 ME32212	-	30	.86 	White	A, B, C	Low		43%
	2' x 4' x 5/8" 600 x 1200 x 14mm	Class A	32214 ME32214	.50	30	.86 	White	A, B, C	Low		43%
	2' x 4' x 5/9" 600 X 1200 X 14mm	Class A	32414 ME 32414	.50	33	.86 	White	A	Low		43%
SLT 	2' x 4' x 5/9"	Class A	32224	.50	33	.86 	White	D	Low		43%

Legend

<

Low Emission (VOC Class)

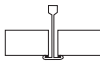
💡

≥ .85 LR

Low emitting products, tested per ASTM D5116-06 testing methods

Grid Profile Options

Donn® Grid System

A DX® DXI DXII	B DXT	C DXM	D DXI DXII
			

Physical Data / Footnotes

ASTM E1264 Classification
Type III, Form 2, pattern C, D, E

ASTM E84 surface burning characteristics
Class A
Flame spread: 25
Smoke developed: 50

Imperial Weight
0.68-0.73 lb./ft²
Metric Weight
3.33-3.58 kg/m²

Thermal Resistance
R-1.6

Backloading
Refer to Installation and Maintenance

Footnotes

1. Recycled content calculated as per ISO14021.

2. LR values are shown as averages.

3. Dimension published in module size. Not all panel sizes available in all geographic areas, other imperial sizes available to order.

Sag Resistance

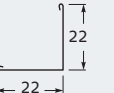
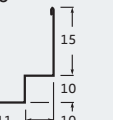
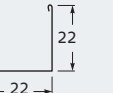
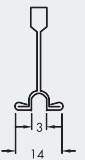
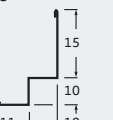
- 12mm 600 x 600 tiles withstand conditions up to 40°C (120°F) / 80% relative humidity without visible sag.
- 14mm 600 x 600 tiles withstand conditions up to 40°C (120°F) / 95% relative humidity without sag.
- 14mm 600 x 1200 tiles withstand conditions up to 40°C (120°F) / 90% relative humidity without visible sag.

DONN® BRAND ACOUSTICAL SUSPENSION SYSTEMS

Features

- Exposed tee system.
- Maximum economy and design simplicity.
- Proprietary Quick-Release™ cross tees.

Suspension Tees

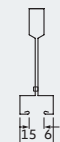
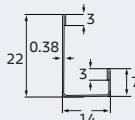
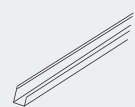
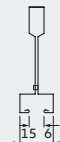
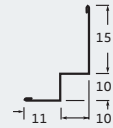
Model	Edge	Type	Item	Length	Height	Color	Wall Angle Item (s)	Length	Width	Height		
DONN® DXI		Main Tee	DXI 3000 IM	3000	32	White	MT3000	3000	22	22		
Metric		Cross Tee	DXI 1200 IM	1200	25							
		Cross Tee	DXI 600 IM	600	25							
Imperial Size			Main Tee	DXI 3048 IM	3048	32	White					
			Cross Tee	DXI 1220 IM	1220	25						
			Cross Tee	DXI 610 IM	610	25						
DONN® DXII		Main Tee	DXII 3600 HM	3600	38	White	MS3000 	3000	11	10 x 15		
Metric		Cross Tee	DXII 1200 LM	1200	25							
		Cross Tee	DXII 600 LM	600	25							
Imperial Size			Main Tee	DXII 3660 HM	3660	38					White	
			Cross Tee	DXII 1220 LM	1220	25						
			Cross Tee	DXII 610 LM	610	25						
DONN® DXT		Main Tee	DXTNF 3000IM	3000	32	White	MT3000 	3000	22	22		
Metric		Cross Tee	DXTNF 1200 LM	1200	32							
		Cross Tee	DXTNF 600 LM	600	25							
Imperial Size			Main Tee	DXTNF3048HM	3048	32					White	
			Cross Tee	DXTNF1220LM	1220	32						
			Cross Tee	DXTNF 610 LM	610	25						
DONN® DXM		Main Tee	DXMOG3000IM	3000	32	White	MS3000 	3000	11	10 x 15		
Metric		Cross Tee	DXMOG1200IM	1200	32							
		Cross Tee	DXMOG 600 IM	600	32							
Imperial Size			Main Tee	DXMOG3048IM	3048	32					White	
			Cross Tee	DCMOG1220IM	1220	32						
			Cross Tee	DXMOG 610 IMM	610	32						

DONN® BRAND ACOUSTICAL SUSPENSION SYSTEMS

Features

- Exposed tee system.
- Maximum economy and design simplicity.
- Proprietary Quick-Release™ cross tees.

Suspension Tees

Model	Edge	Type	Item	Length	Height	Color	Wall Angle Item (s)	Length	Width	Height	
DONN® Fineline® FLW/FLB		Main Tee	FLW 3000 HM	3000	38	White Reveal	MF3000 	3000	14	22 x 7	
		Cross Tee	FLW1200HM-1	1200	38						
		Cross Tee	FLW1200HM-2	1200	38						
	Metric	Cross Tee	FLW 600 HM	600	38						
		Imperial Size	Main Tee	FLW 3048 HM	3048		38				White Reveal
			Cross Tee	FLW1220HM-1	1220		38				
Cross Tee	FLW1220HM-2		1220	38							
Cross Tee	FLW 610 HM	610	38								
DONN® Fineline® FLW/FLB		Main Tee	FLB 3000 HM	3000	38	Black Reveal	MS3000 	3000	11	10 x 15	
		Cross Tee	FLB 1200HM-1	1200	38						
		Cross Tee	FLB 1200HM-2	1200	38						
	Metric	Cross Tee	FLB 600 HM	600	38						
		Imperial Size	Main Tee	FLB 3048 HM	3048		38				Black Reveal
			Cross Tee	FLB 1220HM-1	1220		38				
Cross Tee	FLB 1220HM-2		1220	38							
Cross Tee	FLB 610 HM	610	38								

KNAUF PRESS ENGRAVED 8MM CEILING TILES



Knauf Press Engraved 8mm Ceiling Tiles are slim and lightweight ceiling tiles designed for easy application and aesthetic feature. Their well embossed surfaces are finished with a special paint to provide good light reflectance. They are economical as no further painting is required and the thinner boards enable cost efficiency in logistics.

Features & Benefits

- Lightweight
- Easy application
- Painted finish, no additional painting required
- Good light reflectance
- Economical

Texture – Minitone



Applications

- Retail shops
- Office
- Schools

Installation

Each piece of gypsum ceiling tile shall be installed following the same text direction at the back of the board to ensure design uniformity and colour consistency.

Product Data

Thickness	8.00mm
Weight (kg/m ³)	4.8
Edge Details	Square 
T-Bar Grid Size	Metric 600mm x 600mm 600mm x 1200mm
	Imperial 610mm x 610mm 610mm x 1220mm
Board Size	Metric 595mm x 595mm 595mm x 1195mm
	Imperial 603mm x 603mm 603mm x 1212mm
Product Testing	Base material of gypsum ceiling tiles are tested under BS 476 Part 6 and BS 476 Part 7 with Bomba Class O certification



KNAUF SHEETROCK® PRESS ENGRAVED 9.5MM & 12.5MM CEILING TILES



Knauf Sheetrock® Press Engraved is a decorative ceiling tile made from reinforced board and fits nicely onto ceiling grids. The well embossed surface is finished with quality paint to provide an aesthetic appeal and no further painting is required. This ceiling tile provides high quality smooth finish and good light reflectance.

Features & Benefits

- Well decorated surface
- Painted finish, no additional painting required
- Good light reflectance
- Economical

Texture – Minitone



Applications

- Offices
- Hospitals or healthcare centres
- Department stores
- Retail shops

Installation

Each piece of gypsum ceiling tile shall be installed following the same text direction at the back of the board to ensure design uniformity and colour consistency.

Product Data

Thickness	9.5mm	12.5mm
Weight (kg/m ³)	5.7	7.6
Edge Details	Square 	
T-Bar Grid Size	Metric 600mm x 600mm 600mm x 1200mm	
	Imperial 610mm x 610mm 610mm x 1220mm	
Board Size	Metric 595mm x 595mm 595mm x 1195mm	
	Imperial 603mm x 603mm 603mm x 1212mm	
Product Testing	Base material of gypsum ceiling tiles are tested under BS 476 Part 6 and BS 476 Part 7 with Bomba Class O certification	



KNAUF SHEETROCK® VINYL 9.5MM & 12.5MM CEILING TILES

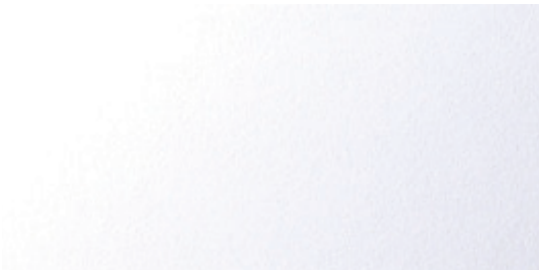


Knauf Sheetrock® Vinyl Ceiling Tiles come with reinforced plasterboard core and are finished with a very high-quality PVC lining that provides a durable face that is easy to clean.

Features & Benefits

- Easy to clean (Wipe with damp cloth)
- Excellent light reflectance
- Lightweight and easy to install

Texture – Capricorn



Applications

- Hospitals
- Laboratories
- Data rooms
- Kitchen and food preparation areas

Installation

Each piece of gypsum ceiling tile shall be installed following the same text direction at the back of the board to ensure design uniformity and colour consistency.

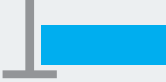
Product Enhancement

Metallic Foil Backing

Vinyl ceiling tiles can be provided with special backing metallic foil on the reverse side of the tile upon request.



Product Data

Thickness	9.5mm	12.5mm
Weight (kg/m ³)	5.7	7.6
Edge Details	Square 	
T-Bar Grid Size	Metric 600mm x 600mm 600mm x 1200mm	
	Imperial 610mm x 610mm 610mm x 1220mm	
Board Size	Metric 595mm x 595mm 595mm x 1195mm	
	Imperial 603mm x 603mm 603mm x 1212mm	
Product Testing	Base material of gypsum ceiling tiles are tested under BS 476 Part 6 and BS 476 Part 7 with Bomba Class O certification	
Lamination Option	Single Side ■ Single side laminate (front) ■ Single side laminate (front) with edges wrapped	
	Both Sides ■ Both sides laminate (front and back) ■ Both sides laminate (front and back) with edges wrapped	

The above specifications are standard dimensions. Knauf is able to produce customised product lengths to suit specific project requirements. Terms and conditions apply.

3 *Substrates*

At Knauf, we provide a specialised range of high-performance interior and exterior linings that enhance both the construction and aesthetic value of your building. Our substrates are designed to meet and exceed your needs in high-impact and wet areas, ensuring durability, functionality, and a superior finish. Whether it's for commercial or residential projects, Knauf's solutions deliver exceptional quality and performance.



KNAUF SECUROCK® GLASS-MAT SHEATHING



History and Technology

The industry is progressing. Innovative developers and architects are now specifying drywall construction for internal walls and, increasingly, external ones as well. Gypsum-based drywall products and systems were developed in the US from the early 1900s, and have been the predominant residential construction method in North America, Australasia, and Europe for decades.

For over 90 years, Knauf has led the building industry in drywall innovation. Over time, Knauf Sheetrock® and Securock® have become the standard for the highest-quality and best-performing walls and ceilings.

Leading the way in translating our customers' needs into innovative solutions, Knauf's Glass-Mat portfolio encompasses a range of applications from wet area to sheathing, delivering the quality, strength, and ease of use that contractors, builders and dealers need.

Offering one of the region's largest selling, broadest line of interior and exterior panels, Knauf's range of products exceed the essential requirements of performance, safety, efficiency, workability, strength, and ease of decoration to achieve top quality construction.

Beyond outstanding products, we also offer expertise, technical support, and Asia Pacific-wide distribution. All driven by a dedication to find solutions for you. We do all of this to contribute in improving the lives of our employees, customers, and communities.

When you succeed, we succeed. Your exceptional work, combined with our solutions, would bring new levels of performance, enabling you to create the spaces where people live, work, and play.

Product Portfolio

Knauf Securock® Glass-Mat Sheathing Interior and Exterior Applications

Wet Area Walls



Knauf Securock® Glass-Mat Sheathing board is designed for wet area applications. With our technology, we are redefining the expectations of what could be achieved in wet and humid conditions.

Ceilings



Knauf Securock® Glass-Mat Sheathing board is designed for interior and exterior ceilings. We understand your requirements in areas exposed to weather and moisture and we offer a wide range of levels of finishing to meet the highest standards.

Semi-Exposed Exterior Walls

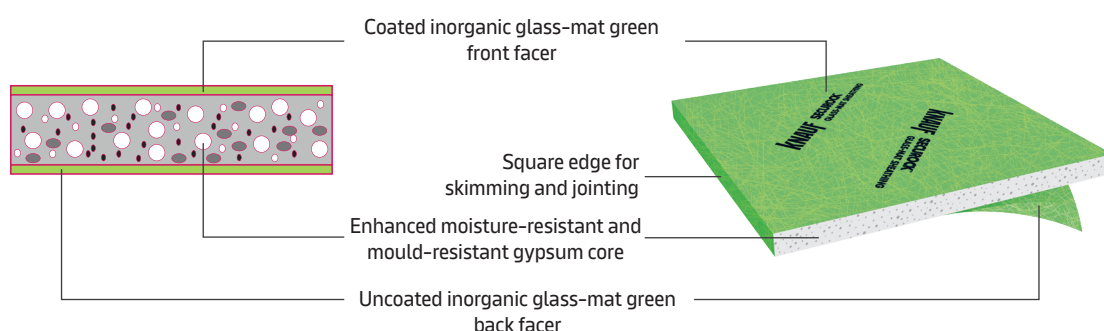
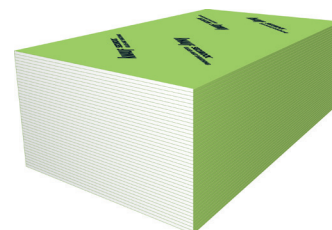


Knauf has a high performance Securock® Glass-Mat Sheathing board ideal for semi-exposed exterior wall applications.

Product Features and Benefits

Knauf Securock® Glass-Mat Sheathing

Glass-Mat board with enhanced moisture-resistant and mould-resistant gypsum core, with a coated non-woven inorganic green front facer and an uncoated inorganic green back-mat facer. Non-combustible, moisture-resistant and mould-resistant high-performance panels for wet areas, tile backing, and semi-exterior applications. The glass-mat facers repel water and feature square edges.



Feature	Description
Thickness	12.7mm (1/2") and 15.9mm (5/8")
Weight	10.9kg/m ² , and 13.6kg/m ²
Width	1220mm (4')
Length	2440 (8')
Edges	Square edges

* Up to 3600mm length by special orders.

* Please refer to your Knauf representative for other board sizes.

Application Fields

Walls

- Tile backer for walls in public showers and bathroom areas for commercial and residential projects
- Non-tile walls with high moisture and mould requirements
- Semi-exposed exterior walls

Ceilings

- Wet area ceilings
- Industrial kitchen ceilings
- Swimming pool ceilings
- Exterior ceilings

Benefits

Moisture-Resistant and Mould-Resistant

- Mould-resistant: Scores a 10 (highest) when tested in accordance with ASTM D3273
- Moisture-resistant: Specially engineered core for optimum water repellency and anti-sagging performance
- Patented Mold Tough® technology

Meets Industry Standard

- Non-combustible per EN 15283-1, A1 per EN13501-1
- Complies with ASTM C1658 Section 7 and ASTM C1177
- Meets the requirements of ASTM C1178 part 5.2.5
- Type H1 according to EN 15283-1

Quick Installation

- Simple score-and-snap, with no sawing or special tools required.

Exposure

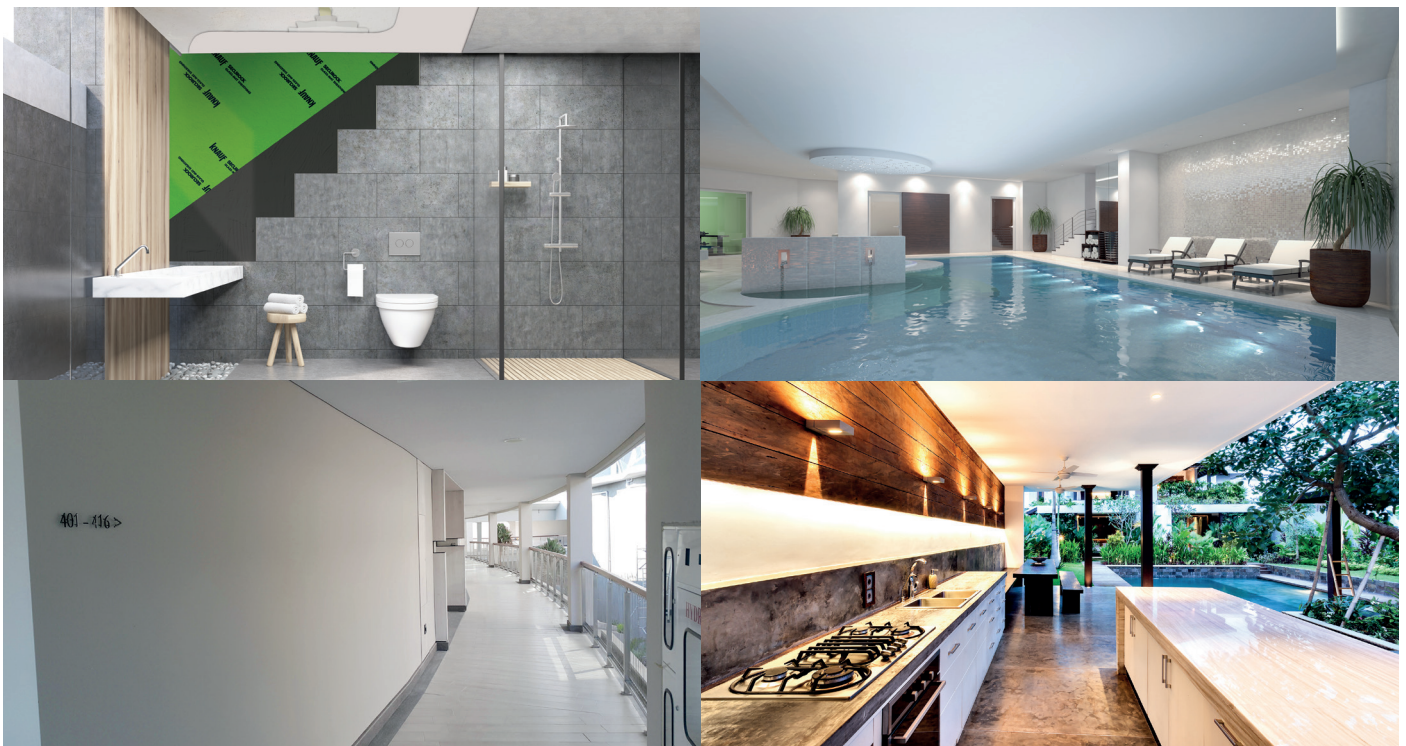
- Can be exposed to limited weather for up to 12 months after installation in its interior and exterior applications.
- The product should be covered by the recommended interior or semi-exposed exterior wall and ceiling.

Finishing

- Supports tiling up to 75kg/m².
- Level 5* can be achieved for paint finishing.
- Exceeds requirements for both cementitious and acrylic adhesives per ASTM C297 and BS EN 12004.

NOTE:

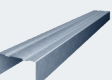
- ASTM D3273 - Standard Test Method for Resistance to Growth of Mould on the Surface of Interior Coatings in an Environmental Chamber
- EN 15283-1 - Gypsum boards with fibrous reinforcement. Definitions, requirements and test methods. Gypsum boards with mat reinforcement
- EN 13501-1 - Fire test to building material
- ASTM C1658 - Standard Specification for Glass Mat Gypsum Panels
- ASTM C1177 - Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing
- ASTM C1178 - Standard Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel
- ASTM C297 - Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions
- BS EN 12004 - Adhesives for ceramic tiles. Requirements, assessment and verification of constancy of performance, classification and marking



Interior and Semi-Exterior Walls

System Components

Metal Framing

Type	Description	Steel Grade	Base Metal Thickness	Anti-corrosion Coating	Remark
	Knauf Floor Track	G300	0.50 to 1.15mm	AZ150	Min. Yield Strength: 300 Mpa
	Knauf Metal Steel Studs	G300	0.50 to 1.15mm	AZ150	Min. Yield Strength: 300 Mpa
	Knauf Deflection Head Track	G300	0.75 to 1.15mm	AZ150	Min. Yield Strength: 300 Mpa
	Knauf Nogging Track	G300	0.75mm	AZ150	Min. Yield Strength: 300 Mpa

Screws

Type	Description	Dimension	Coating	Application	Remark
 16mm	Water Head Drill Point Screw	#10 - 16 x 16 (Diameter: 4.6mm)	High Corrosion Resistance Coating	■ Connection Track – Steel Stud ■ Connection Metal – Metal Bracing	-
 32mm  45mm	Exterior & Wet Area Bugle Head Needle Point Screw (GMS type S screw)	#6 - 20 x 32 and 45 (Diameter: 3.5mm)	Ruspert / Dacromate	■ Connection Board – Steel Stud ■ For 0.50 – 0.75mm ■ 32mm for single layer walls ■ 45mm for double layer walls	Min. torsional strength: 2.7 N.m Surpasses 240 hours
 32mm  45mm	Exterior Wet Area Bugle Head Drill Point Screw (GMS type D screw)	#6 - 20 x 32 and 45 (Diameter: 3.5mm)	Ruspert / Dacromate	■ Connection Board – Steel Stud ■ For 0.80 – 2.00mm ■ 32mm for single layer walls ■ 45mm for double layer walls	ASTM B117: Salt Spray Test Min. torsional strength: 2.7 N.m Surpasses 240 hours ASTM B117: Salt Spray Test

Compounds and Paper Tape

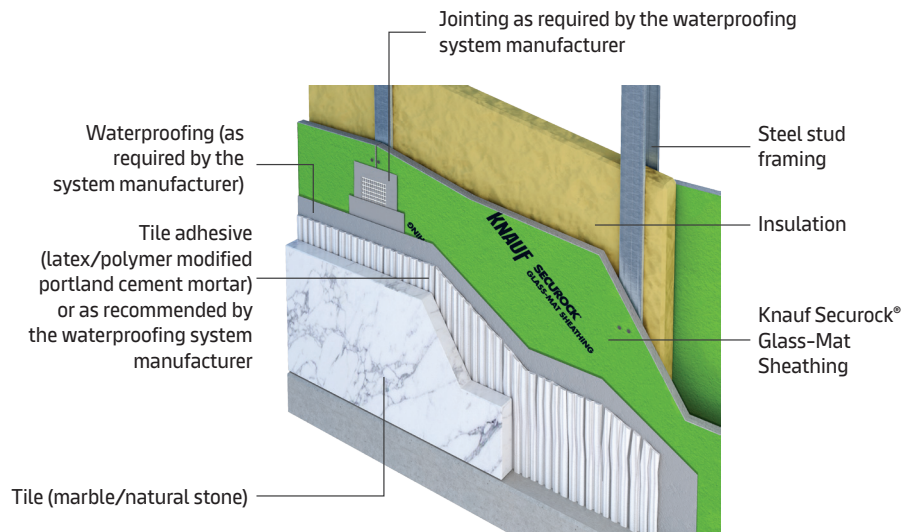
Type	Description	Dimension	Application	Remark
	Knauf Paper Joint Tape	150m x 50mm wide rolls	For joint treatment with setting type compounds for non-tile interior walls	Coverage: Approx. 112m / 93m ² (370 ft. per 1,000 sq.ft.)
	Knauf Sheetrock® Durabond® 90	-	For joint treatment and full skimming and coating for non-tile interior walls, and semi exposed ceilings under covered roods such as soffits.	20kg Bag (44lb.) Setting type compound that is chemically setting powder for plasterboard interiors Working time is approximately 60 minutes Coverage: Approx. 16kg / 100m ² Meet ASTM Standards C475

Wall Finishing Systems

Interior Wall Tiling (Direct Water Exposure) - Shower Area

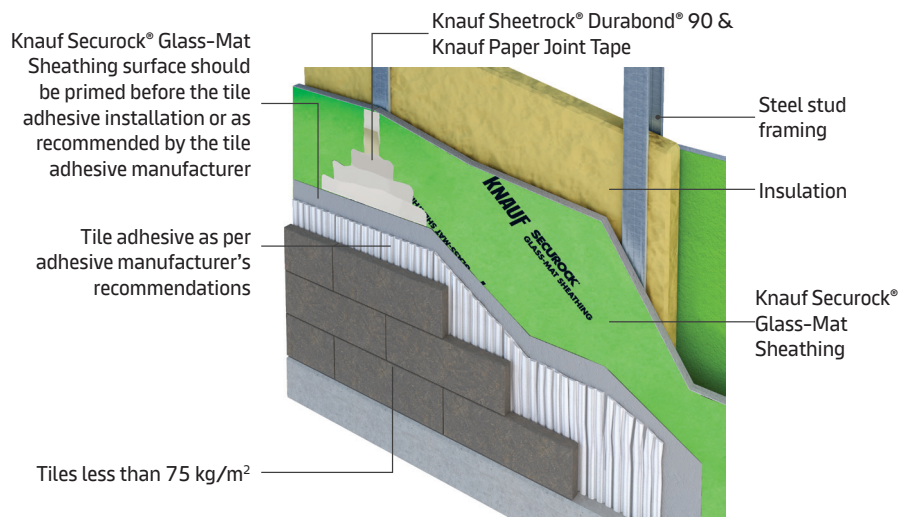
System design for wet areas that will be exposed to water with high moisture and mould requirements, like bathrooms and shower areas. Depending on the framing system and spacing, the wall could hold tiles up to 75 kg/m².*

**The tile weight capability of the wall will depend on the system configuration.*



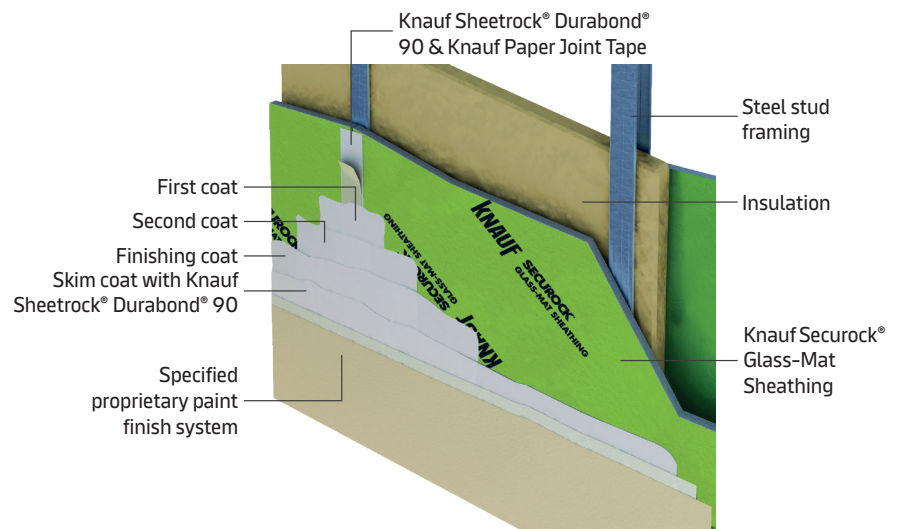
Interior Wall Tiling (Non-Direct Water Exposure)

System design for wet areas that will not be exposed to direct contact with water, like toilet and kitchen areas. For these areas, the waterproofing may not be required.



Non-tile Walls

System design for areas with high moisture and mould requirements in interior and semi-exterior walls during construction with paint finishing. Level 5 is the default level of finish unless specified otherwise.

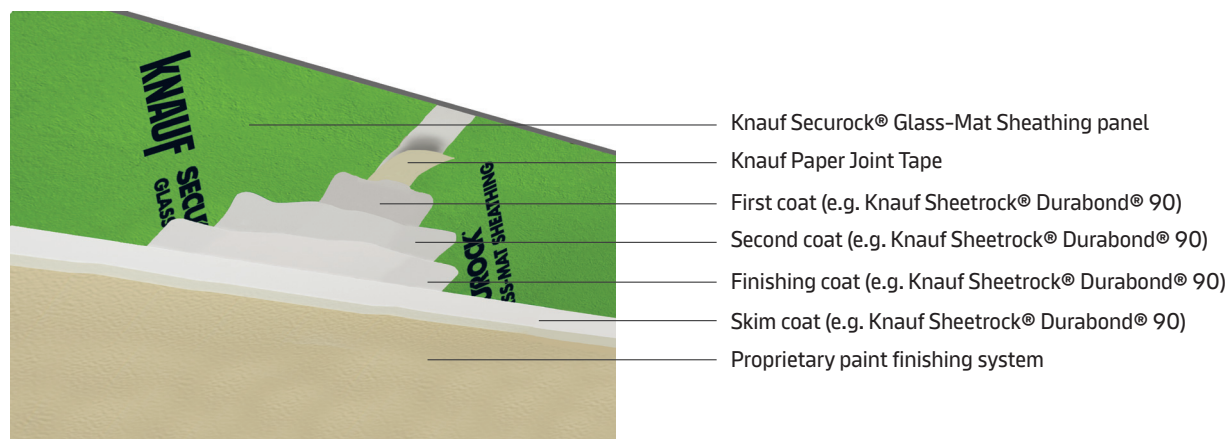


**For further information, refer to the Knauf Securock® Glass-Mat Sheathing Wet Area Installation Guide.*

Interior Ceiling Systems

Wet Area Ceilings

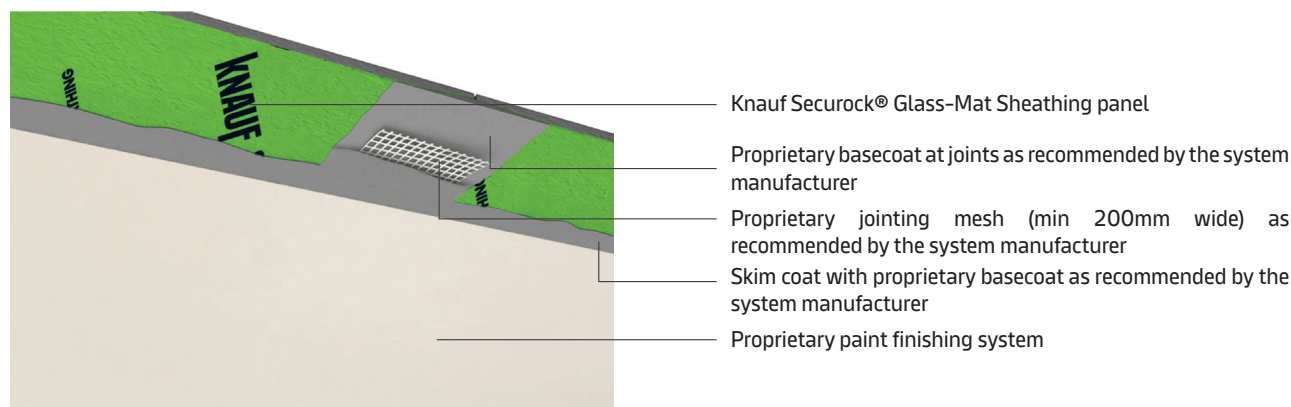
System design for wet area ceilings with high moisture and mould requirements, like bathrooms and shower areas.



Ceiling Finishing D – Wet area ceilings

Harsh Environment Ceilings

System design for more challenging environments with proprietary basecoats and coatings for more intensive cleaning and high humidity.



Ceiling Finishing E – Proprietary finishing system

Interior Ceiling Finishing

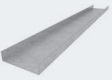
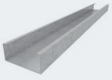
Category	#	Application	12.7mm GMS
Wet Area Ceilings	D	Criteria	Ideal for skimming markets Level 5** - the default level of finish Non-fire rated systems
		Edge	Square edge designed for full skimming
		Joint Treatment	Paper tape + joint treatment + full skimming layer of setting compound (Level 5)
		Finishing	Primer + 2 coats of paint finishing as recommended by the manufacturer
Harsh Environment Ceilings	E	Criteria	High moisture and mould requirement Non-fire rated system Critical light requirement Level 5 finishing is required
		Edge	Square edge designed for full skimming
		Joint Treatment	Glass fibre mesh tape + joint treatment with proprietary basecoat + full skimming layer with basecoat
		Finishing	Primer + 2 coats of paint finishing as recommended by the manufacturer

* Please refer to the finishing guidelines for ceilings included in Knauf Securock® Glass-Mat Sheathing Wet Area Installation Guide and Knauf Securock® Glass-Mat Sheathing Exterior Ceiling Systems.

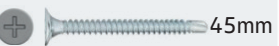
Exterior Ceiling Systems

System Components

Metal Framing

Type	Description	Steel Grade	Dimension	Base Metal Thickness	Anti-corrosion Coating	Remark
	Knauf Floor Track	G300	32mm (Flange) X Specified Web Width	0.50 to 1.15mm	AZ150	Min. Yield Strength: 300 Mpa
	Knauf Metal Steel Studs	G300	5mm (Lip) x 35mm (Flange) x Specified Web Width	0.50 to 1.15mm	AZ150	Min. Yield Strength: 300 Mpa
	Knauf SWC3 & P/N 545 Bracket	G2	SWC3: 75mm (L) x 50mm (W) x 80mm (H) P/N 545: 75mm (L) x 75mm (W) x 55mm (H)	SWC3:3.0mm P/N 545: 1.5mm	Zinc Coating	Min. Yield Strength: 270 Mpa

Screws

Type	Description	Dimension	Coating	Application	Remark
	Anchor	M8 x 40 (Sleeve Diameter: 10mm)	Zinc	Connection Bracket – main structure. The anchor should be reviewed and approved by the structural engineer of the project	Tensile strength: 2.0kN (min.) Shear force: 3.9kN (min. at design resistance)
	16mm Wafer Head Drill Point Screw	#10 - 16 x 16 (Diameter: 4.6mm)	High Corrosion Resistance Coating	Connection Track – Steel Stud Connection Metal – Metal Bracing	Pull-out force: 1.16kN (20 gauge steel) Shear force: 2.51kN (20 + 20 gauge steel) Tensile strength: 6.09kN
	14mm Hexagon Head Drill Point Screw	#12 - 14 x 20 (Diameter: 5.5mm)	Zinc	Connection Bracket – Steel Stud	Pull-out force: 1.3kN (20 gauge steel) Shear force: 2.67kN (20 + 20 gauge steel) Tensile strength: 10.34kN
 	32mm Exterior & Wet Area Bugle Head Needle Point Screw (GMS type S screw) 45mm Exterior & Wet Area Bugle Head Needle Point Screw (GMS type S screw)	#6 - 20 x 32 and 45 (Diameter: 3.5mm)	Ruspert / Dacromate	Connection Board – Steel Stud For 0.50 – 0.75mm 32mm for single layer ceilings 45mm for double layer ceilings	Min. torsional strength: 2.7N.m Surpasses 1000 hours ASTM B117: Salt Spray Test
 	32mm Exterior & Wet Area Bugle Head Drill Point Screw (GMS type D screw) 45mm Exterior & Wet Area Bugle Head Drill Point Screw (GMS type D screw)	#6 - 20 x 32 and 45 (Diameter: 3.5mm)	Ruspert / Dacromate	Connection Board – Steel Stud For 0.75 – 1.15mm 32mm for single layer ceilings 45mm for double layer ceilings	Min. torsional strength: 2.7 N.m Surpasses 1000 hours ASTM B117: Salt Spray Test

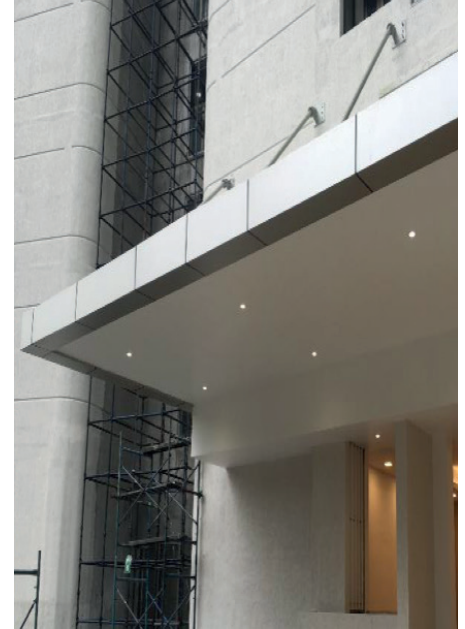
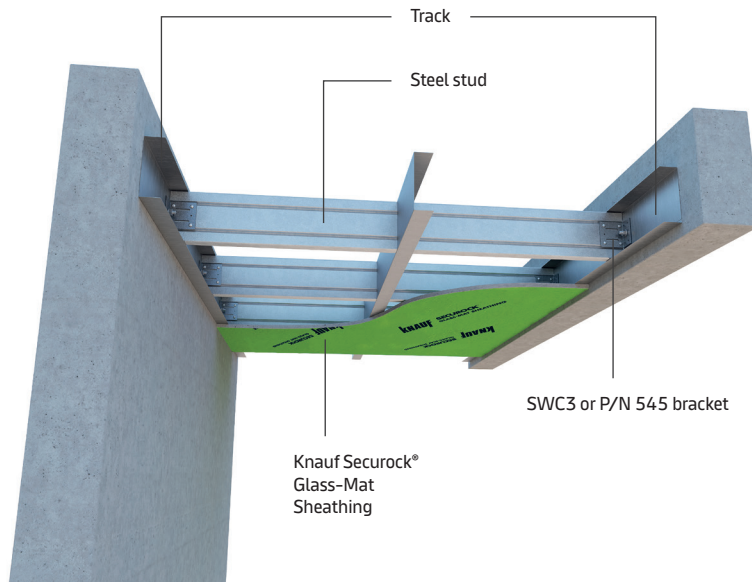
Compounds and Paper Tape

Type	Description	Dimension	Application	Remark
	Knauf Paper Joint Tape	150m x 50mm wide rolls	For joint treatment with setting type compounds for non-tile interior walls	Coverage: Approx. 112m / 93m ² (370 ft. per 1,000 sq.ft.)
	Knauf Sheetrock® Durabond® 90	–	For joint treatment and full skimming and coating for non-tile interior walls, and semi exposed ceilings under covered roods such as soffits.	20kg Bag (44lb.) Setting type compound that is chemically setting powder for plasterboard interiors Working time is approximately 60 minutes Coverage: Approx. 16kg / 100m ² Meet ASTM Standards C475

Types of Systems

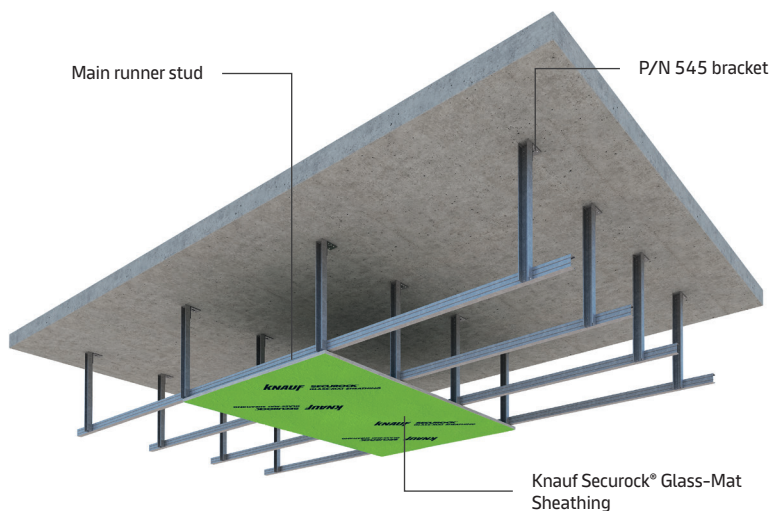
Small Area Ceilings (Typically < 3.0m Span)

Ceiling system design to be installed without hangers and for single span applications. Ideal for small areas such as soffits, balconies, exterior corridors, and porches.



Large Area Ceilings (Typically > 3.0m Span)

Ceiling system design for multiple span applications and for larger ceiling areas such as hotel lobby, casino entrance, building foyer, and transportation hub.



AQUAPANEL® CEMENT BOARD OUTDOOR



© Copyright Kris Provoost, courtesy of Henning Larsen Architects

System Introduction

AQUAPANEL® Exterior Systems are high-performance, economical and sustainable solutions for drylining style construction of exterior walls, claddings and ceilings.

AQUAPANEL® Exterior Wall comes in two basic types: drywall, or as a rear-ventilated rainscreen facade. It therefore offers an extremely flexible and adaptable solution, which can accommodate an impressive range of designs, helping to turn vision into reality.

From external soffits, underpasses or open and underground car parks to exterior ceilings, our solution is engineered to withstand the most challenging wet conditions.

Outstanding protection against high humidity and moisture

The systems are the perfect solutions for exterior walls, claddings, and ceilings exposed to moisture, wind loading, and coastal environments. The components are designed and tested to achieve the highest performance in construction.

AQUAPANEL® Cement Board Outdoor is water-resistant and made of inorganic materials, which prevents mildew from forming and spreading.

The steel framing system, designed to support AQUAPANEL® Cement Board Outdoor is supplied by Rondo, making it suitable for a variety of exterior systems (refer to Rondo for details).

Options for external finishes

Different external renders can be specified as a finish coat, offering options for texture and colors. The system can also accommodate other materials, such as tiles.

Complete Knauf engineered solution backed by industry experts

Our team of engineers and specification managers will provide you with support throughout the project; from conceptual design, to reviewing architectural drawings and site support to ensure optimum performance in design and construction.



Exterior Wall, Claddings and Ceilings

Benefits

- Simple installation
- Easy to cut, score, and snap
- No pre-drilling for fasteners
- Resistant to moisture and driving rain
- Mold and mildew-resistant
- Dimensionally stable, robust and durable
- Non-combustible (A1): complies with European standards
- Creative design opportunities
 - Options for the creation of curved exterior walls, claddings and ceilings
 - Spectacular seamless surfaces, thanks to expansion joints that are only needed every 15m to enable a 225m² closed area without a visible joint*
- Large choice of colours, textures, and finishes with different external render systems

With Knauf AQUAPANEL® Exterior Systems, the exterior walls, claddings and ceilings are optimally protected against various types of weather effects, regardless of their location.

*A control/movement joint must be installed if there is a control/movement joint in the structure underneath.



Eagle in Flight / Tirana, Albania

Physical properties - AQUAPANEL® Cement Board Outdoor	
Length (mm)	2,440
Width (mm)	1,220
Depth (mm)	12.5
Min. bending radius for 1,200 mm wide board (m)	3
Min. bending radius for 300 mm wide strip (m)	1
Weight (kg/m ²)	approx. 16
Dry bulk density (kg/m ³) according to EN 12467	approx. 1,150
Bending strength (MPa) according to EN 12467	≥ 7
Tensile strength perpendicular to the plane of the board (N/mm ²) according to EN 319	0.65
Shearing strength (N) according to EN 520	607
pH-value	12
Thermal conductivity (W/mK) according to EN ISO 10456	0.35
Thermal expansion (10 ⁻⁶ K ⁻¹)	7
Water vapour diffusion coefficient μ (-) according to EN ISO 12572	66
Length variation 65%-85% humidity (mm/m) according to EN 318	0.23
Thickness variation 65%-85% humidity (%) according to EN 318	0.2
Building material class according to EN 13501	A1 non-combustible
Certificate of conformity (COC) according to BS 476-4:1970 (Singapore)	non-combustible
Fungus Resistance according to ASTM D3273-16	Rating 10 (0 defacement by mold growth)
Fungus Resistance according to ASTM G21-15	Rating 0 (No fungal growth)

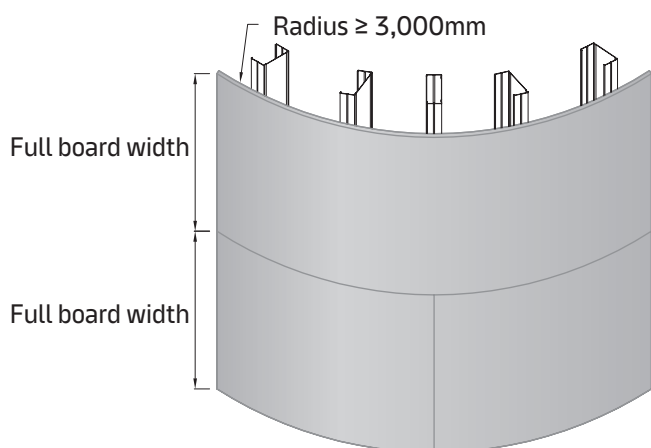
New design possibilities for curved walls

With a bending radius of 3 metres (full board) and 1 m (300 mm strips), AQUAPANEL® Cement Board Outdoor allows designers to introduce a variety of curved shapes and creative designs, including domes and arches. Moreover, by using double studs, it's possible to create different interiors and exteriors: for example, a wall that's concave on the outside, and convex on the inside.

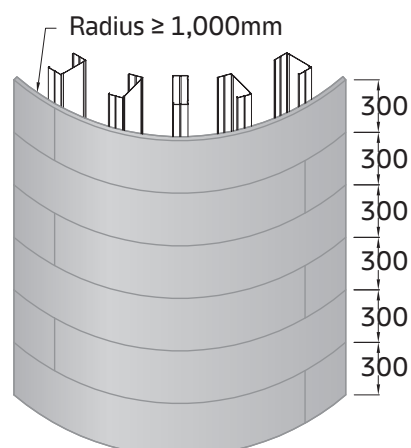


Lingang Warehouse / Shanghai, China

Arrangement of AQUAPANEL® Cement Board Outdoor with different radius



Assembly with full board size panels for radius $\geq 3,000$ mm



Assembly with 300 mm width panels for radius $\geq 1,000$ mm

Dedicated System Solutions

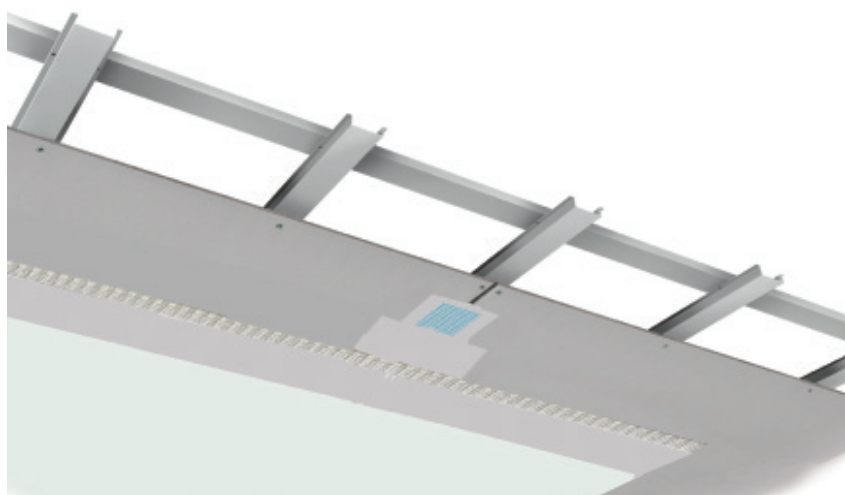
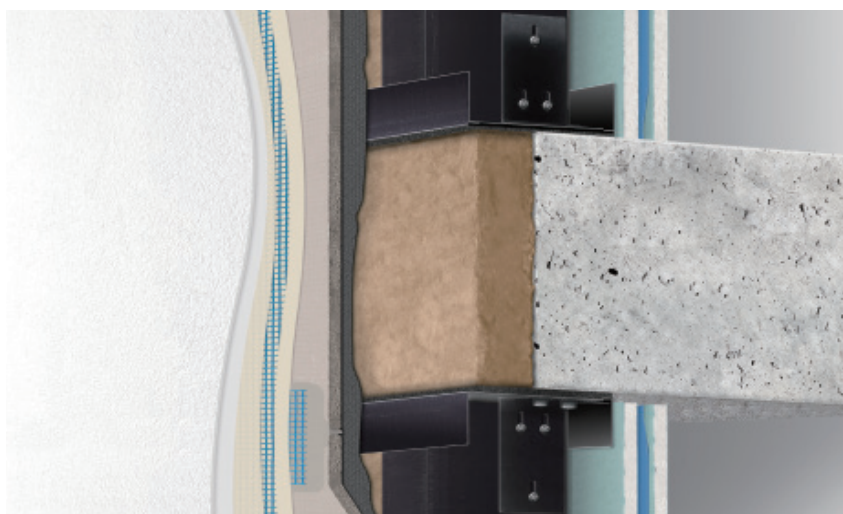


AQUAPANEL® Exteriores Wall – rear-ventilated rainscreen facade

With rainscreen facades for use above solid substructures, such as brick or concrete, thermal insulation is separated from the weather protection materials ensuring a constant flow of air in the ventilated space to remove moisture from the building and to optimise indoor climate. Even if the facade is damaged, the insulation remains intact.

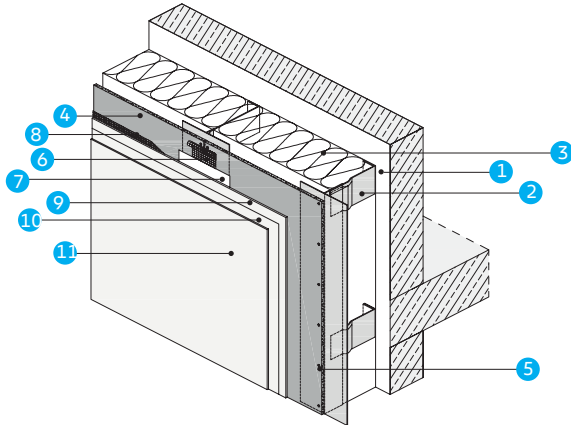
AQUAPANEL® Exteriores Wall – drywall solution

Drywall systems are available as single stud solutions with a variety of creative design options. And although it is most commonly used in skeleton constructions comprising reinforced concrete, drywall is also suitable for timber or lightweight steel-frame constructions.

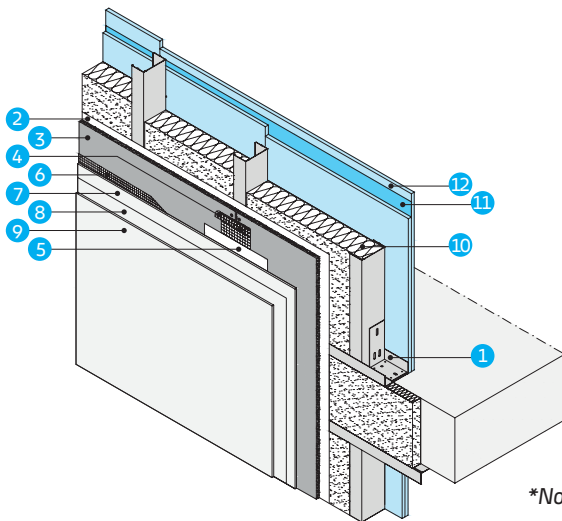


AQUAPANEL® Exteriores Ceiling

Ideal drylining solution for exterior ceilings, such as soffits, undersides of balconies, underpasses, and underground car parks with proven resistance to moisture or mildew forming and spreading. For greater safety and the highest standards in design, construction, cost-effectiveness, and durability.

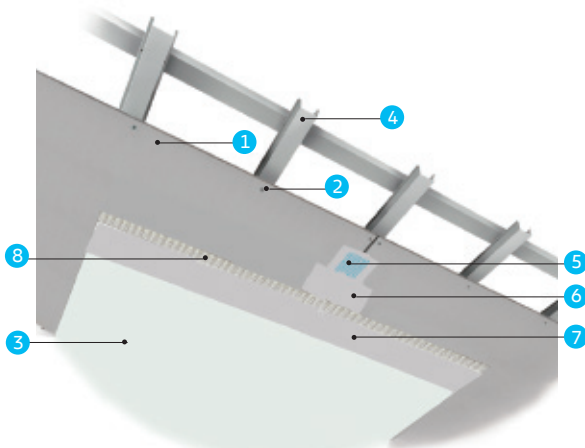
WL132C.1 Rear-ventilated rainscreen facade

- 1 Optional Thermal separation element
- 2 RONDO Cladding System
- 3 Insulation board according to local needs
- 4 AQUAPANEL® Cement Board Outdoor
- 5 AQUAPANEL® Maxi Screw
- 6 AQUAPANEL® Joint Tape (10 cm)
- 7 AQUAPANEL® Joint Filler - grey
- 8 AQUAPANEL® Reinforcing Mesh
- 9 AQUAPANEL® Exterior Basecoat
- 10 AQUAPANEL® Basecoat Primer
- 11 Render finish (e.g. AQUAPANEL® Exterior Mineral Finish - white)

WL111C.1 Single stud exterior wall

- 1 RONDO Exterior Wall System
- 2 Vapour Barrier SD $\geq 50\text{m}$ according to the EN 13984*
- 3 AQUAPANEL® Cement Board Outdoor
- 4 AQUAPANEL® Joint Tape (10 cm)
- 5 AQUAPANEL® Joint Filler - grey
- 6 AQUAPANEL® Reinforcing Mesh
- 7 AQUAPANEL® Exterior Basecoat
- 8 AQUAPANEL® Basecoat Primer
- 9 Render finish (e.g. AQUAPANEL® Finish - white)
- 10 Insulation board (thickness: 100mm) according to local needs
- 11 Vapour Barrier: Knauf Insulation LDS 10 silk or similar (SD 5-10m according to EN 13984)*
- 12 Knauf Gypsum board

**Note: Please be advised that under the local climate condition the vapour barrier specifications at the exterior and interior side of the wall to prevent accumulation of moisture within the wall construction could vary. Location and type of vapour barrier to be determined by the architect and a building physics expert.*

D 282.1 EXT.SOUTHEAST ASIA Exterior Ceiling

- 1 AQUAPANEL® Cement Board Outdoor
- 2 AQUAPANEL® Maxi Screws
- 3 Paint or render system by others
- 4 RONDO exterior ceiling system
- 5 AQUAPANEL® Joint Tape (10cm)
- 6 AQUAPANEL® Joint Filler - grey
- 7 AQUAPANEL® Exterior Basecoat
- 8 AQUAPANEL® Reinforcing Mesh

4 *Metal Framing*

We prioritise safety in the manufacturing and testing of each Knauf metal profile, utilising the finest quality materials. Our products, including ceiling and wall systems, are highly corrosion-resistant, and each piece complies with international standards. The installation is simple, convenient, and quick. It is suitable for any building's interior ceilings and walls.



KNAUF KEY-LOCK® CONCEALED CEILING SYSTEMS



Whether you're looking to direct fix or fully suspend your plasterboard ceiling, the Knauf KEY-LOCK® Concealed Suspended Ceiling System is designed to produce a high-quality structure for a flawless, flush or featured finish. The KEY-LOCK® system can also be used as a framework to line virtually any existing wall or substrate.

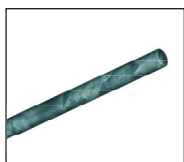
Suitable For

- Flush plasterboard ceilings
- Direct fix or fully suspended applications
- Non-fire rated systems
- Fire rated systems
- Acoustic systems available (by design)
- Seismic systems available (by design)

Product Features

- Able to be designed for external use, for example, external soffits
- Base material engineered from G2 for strength and reliability
- Primary and secondary profiles available in custom lengths or radiusses

Various KEY-LOCK® Components



121



125/127/128



129/308



139



140



142



138



272



2534



534



547



301



226



394



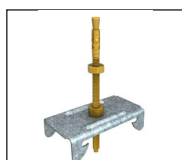
305



314



237



A239



315



BG01

Installation Details

Suspended Ceilings for Internal Applications

Step 1

Fix Furring Channel Track along both walls and at 90° to the direction of the Furring Channel.

Step 2

Cut Suspension Rod to length. Attach Direct Fixing Clip (534 or 547) to one end and TCR clip 2534 to the other. Fix assembly to one side of the truss, purlin or concrete slab with appropriate fixings (as in Figures 1 & 2) and at required centres.

Refer to Figures 3 & 7 for information on positioning of Hangers, Top Cross Rail and Wall Track.

Step 3

Adjust all Hangers to correct drop using string line or laser.

Step 4

Attach Top Cross Rails to suspension clips. Join primary rails end to end using Joiner 272. Also using Joiner 272 on each end of the Top Cross Rail run, tap joiner up against the walls to stabilise the system (refer Figures 3 & 4).

Note:

For fire rated systems, leave a 20mm gap at the end of each Top Cross Rail.

Step 5

Use the 139 Locking Key to connect both the Top Cross Rail and Furring Channel together.

Join the Furring Channels end to end using 138 Joiners (see Figure 5). Ensure that the ends of the Furring Channel are connected into the Furring Channel Track.

Note:

For fire rated systems, leave a 20mm gap at the end of each Furring Channel and TCR.

Joints in the Furring Channels and Top Cross Rails should be staggered throughout the ceiling grid (refer to the building board manufacturer for recommended spacing.)

Step 6

Install lining sheet as per the building board manufacturer's recommendations. Light fittings and air conditioning grills can also be installed (refer Figure 6).

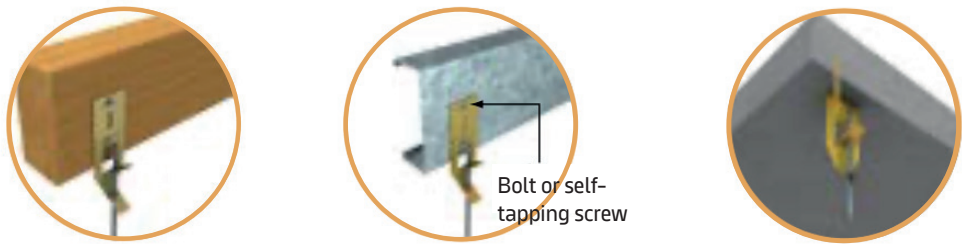
Note:

As referenced in AS2785/2000, the ceiling grid is only designed to accept a distributed service load of 3 kg/m².

Step 7

For examples of typical perimeter finishing methods, refer Figures 3 & 8.

Figure 1. Suspension Brackets for Rods



Suspension rod bracket Part No 534

Suspension rod bracket Part No 547

Figure 2. Suspension Rod Assembly

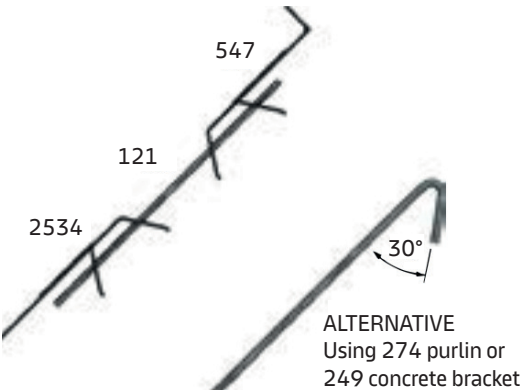


Figure 3. Stabilising The System

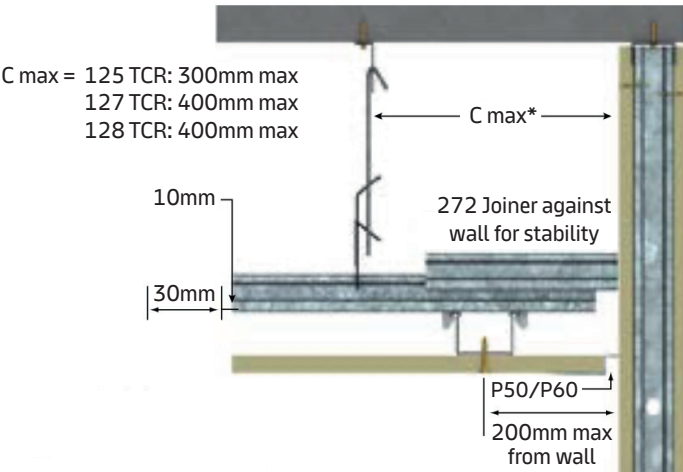


Figure 4. Top Cross Rail Attachment

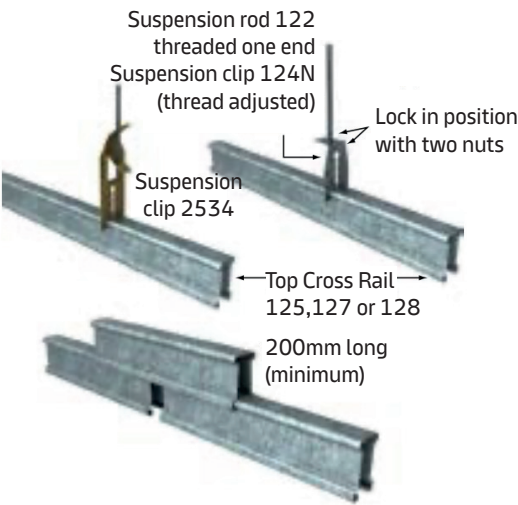


Figure 5. Connecting to Furring Channel

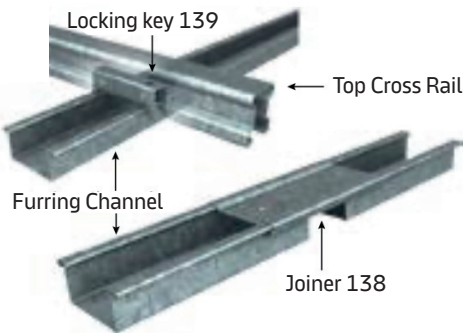


Figure 6. Light Fittings (nominal 1200 x 600mm)

Note: Additional suspension is required to carry light fittings or other ceiling attachments.

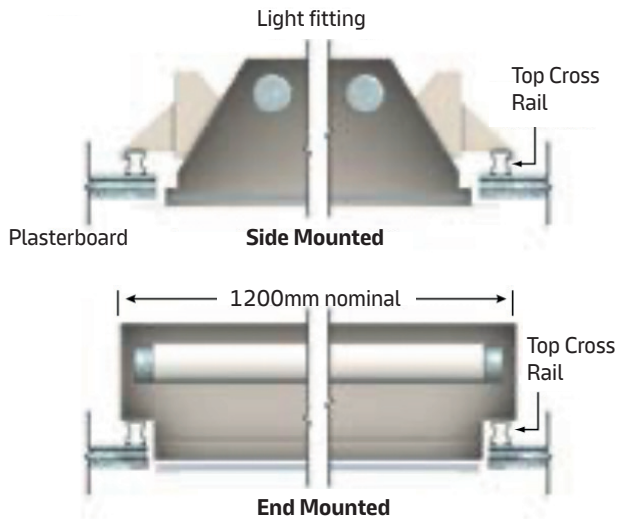
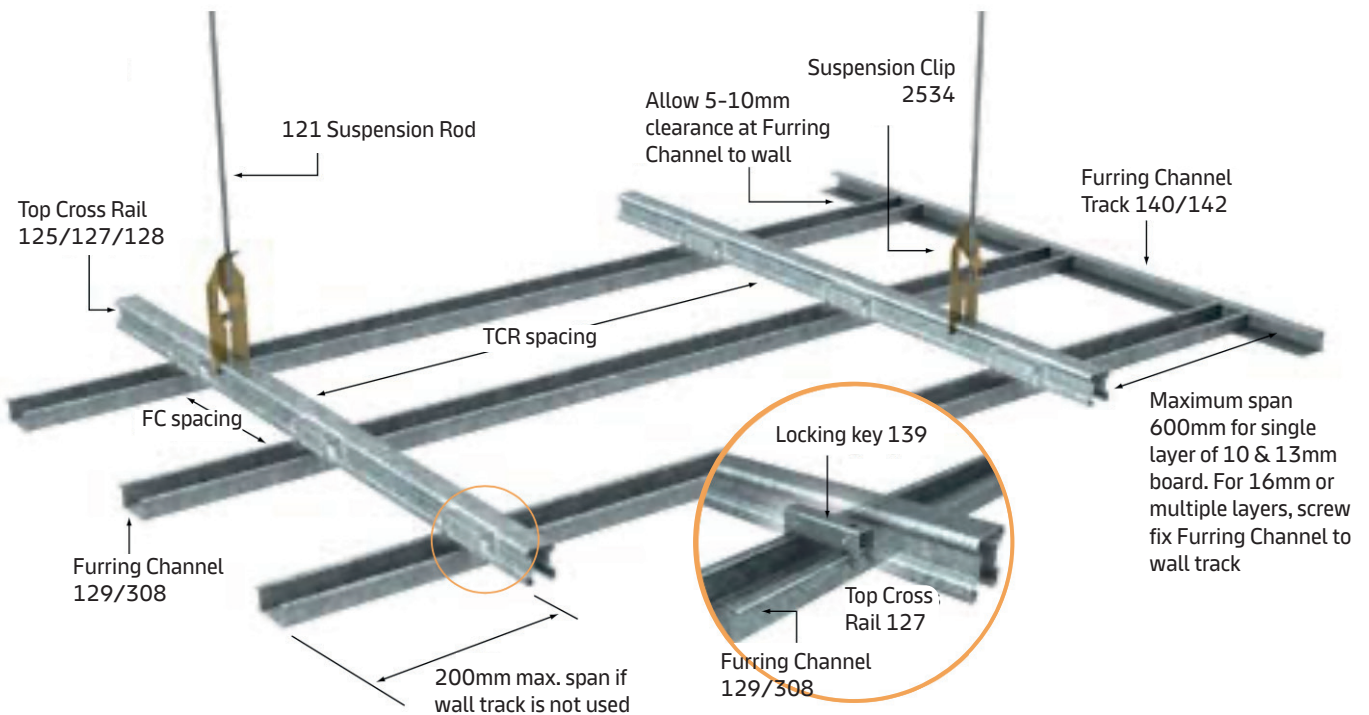
**Figure 7A. KEY-LOCK® Suspended Ceiling**

Figure 7B. TCR Side Mount Clip 167

Note: 167 Top Cross Rail Side Mount Clip is only suitable for a single layer of board.

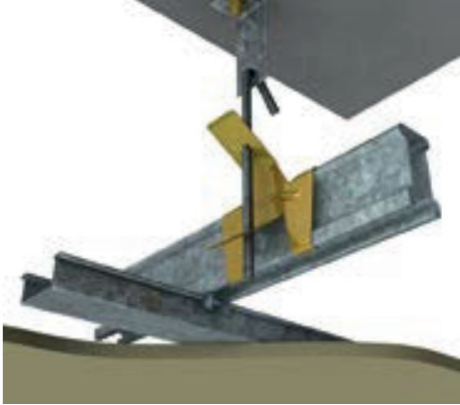


Figure 7C. Infiniti Sliding Adjustable Clip to TCR

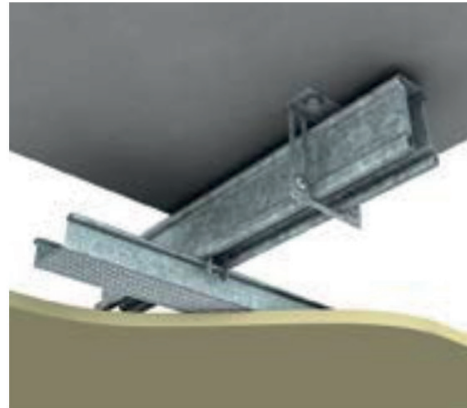
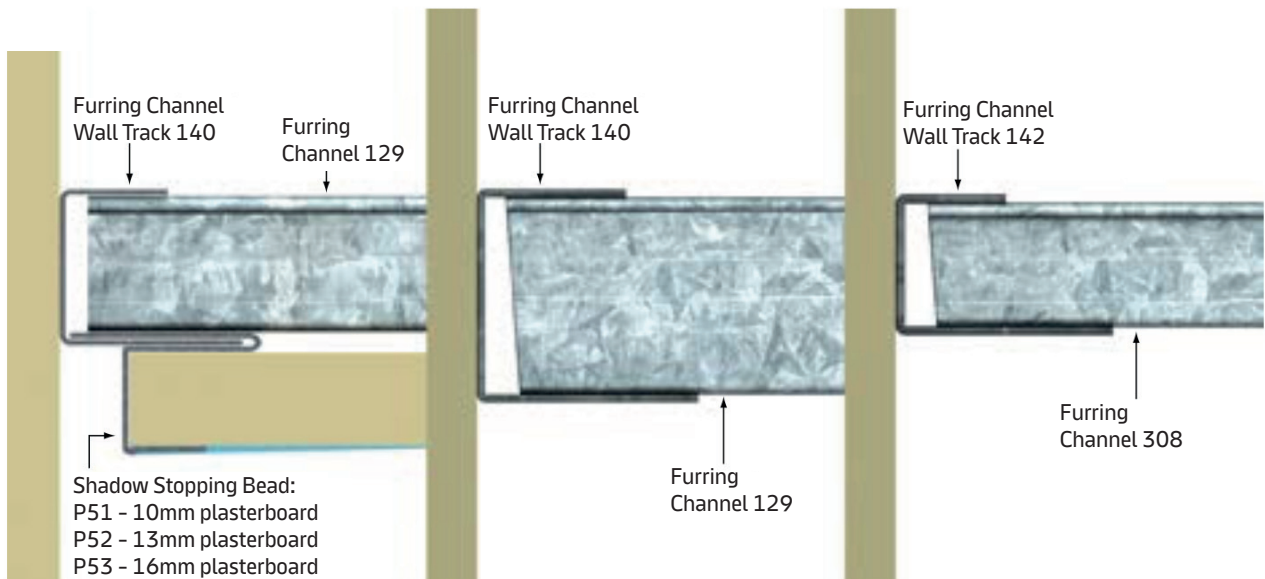


Figure 8. Furring Channel Wall Tracks

Note: Leave a minimum gap of 5-10mm between Furring Channel and wall track.



Masonry Wall Installation

1. Install Clips

Fix the adjustable BetaGrip® clips to the masonry wall using either “knock-in” anchors or plugs and screws. For timber framed wall use suitable screws. (See note on fixing alternatives for BetaGrip® clips).

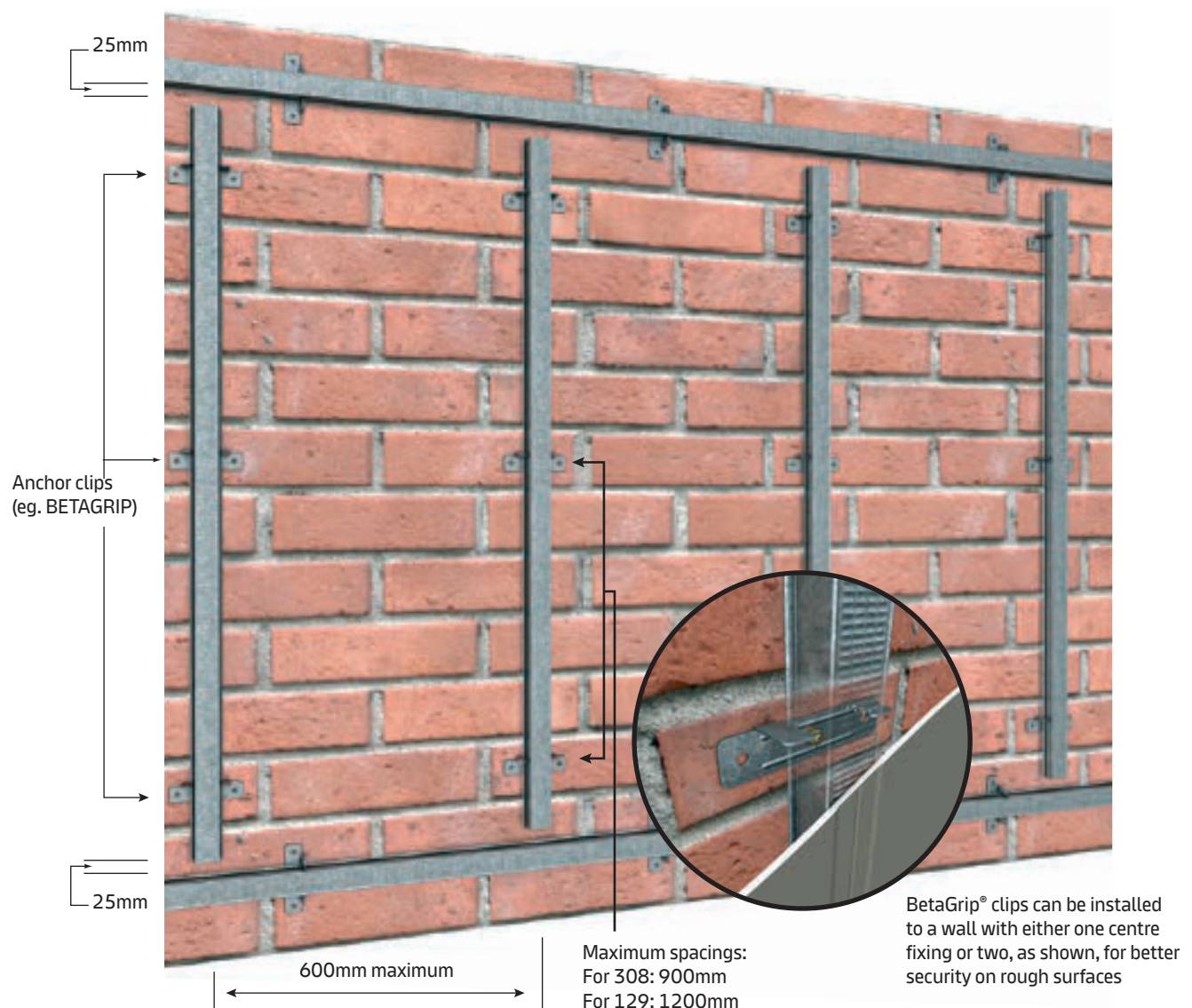
2. Attach Furring Channel

The BetaGrip® clip has ‘notches’ to accept the furring channel. These are spaced approx 5mm apart. Selecting the appropriate notch and using a rolling action, clip the 129 or 308 furring channel into place. Check the first furring channel for plumb and straightness and using this as a guide, install the remaining furring channels. For more minute adjustment of the clips for plumb, etc, gently tap the prongs of the clip with a hammer to adjust.

3. Fix Plasterboard

Screw fix plasterboard, tape and set joints and sand off as per lining manufacturers recommendations.

Furring Wall System



RESCEIL LIGHTWEIGHT CONCEALED CEILING SYSTEM



Resceil Lightweight Concealed Ceiling System is Knauf's latest innovation in lightweight ceiling system, which provides a smooth, brilliant finish instantly.

- The seamless finish system is an engineered clip lock based metal frame by Rondo: Load tested by SIRIM.
- With predictable and repeatable performance.
- Components are made of Aluminium/Zinc alloy-coated steel (AZ150) which provide superior anti-corrosion performance.
- No requirement for connector clips; lesser components.

No requirement for connector clips; lesser components.

The most noteworthy attribute of this system is that we designed and engineered our Resceil system to allow for easy installation and eliminate doubts concerning quality of finishing, and of course, with performance and safety in mind.

Additional elements that Resceil system offers:

- Powder-based compounds in combination with a clip lock based metal frame to facilitate rapid construction
- Lightweight
- Superior anti-sag performance

Resceil Lightweight Concealed Ceiling System is the ideal internal ceiling system for residential spaces and offices.

Advantages



Aesthetics

- Smooth finish with potential for unlimited designs and numerous finishing options to suit customer's imagination.



Functionality

- Design in accordance to AS/NZS and compliance to BCA2005.



Anti-Sagging

- Superior anti-sag performance that helps maintain a presentable ceiling appearance at all times.



Fast and Easy Installation

- Easy to carry and install. Task can also be completed quickly.



Clean Site

- Leaves minimal dust residue. Worksite remains clean and presentable.

Resceil Components

1		25mm Resceil Runner x 0.55 BMT Metric (PN RCR055M) Imperial (PN RCR055I)
2		Resceil Runner Joiner x 0.75 BMT Metric (PN RCJ075M) Imperial (PN RCJ075I)
3		16mm Furring Channel x 0.35 BMT (PN 308035)
4		Furring Channel Joiner (PN 138)
5		16mm Furring Track (PN 142)
6		M6 Full Threaded Rod (PN 149)
7		M6 Nut (PN M826)

Knauf Sheetrock® Unispan®



Knauf Sheetrock® StandardCORE™

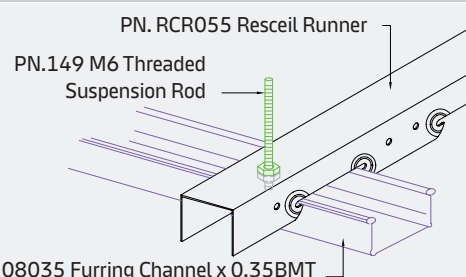


	Knauf Sheetrock® Unispan®	Knauf Sheetrock® StandardCORE™
Thickness	9.5mm	12.5mm
Edge Detail	Tapered	Tapered
Width (mm)	1220	1220
Length (mm)	2440	2440
Weight (kg/m²)	5.30	7.40
Product Testing	BS EN 520	BS 476 Part 6 BS 476 Part 7

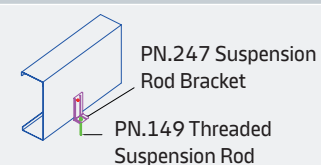
Other board dimensions are available. Please refer to your Knauf representative for other board sizes.

System Specifications	
System	PN.149 M6 Threaded Suspension Rod @1200mm centres PN. 142 Furring Wall Track 25mm Resceil Runner x 0.55 BMT (PN RCR055) 16mm Furring Channel X 0.35 BMT (PN 308035)
Primary Section	25mm Resceil Runner x 0.55 BMT Metric (PN RCR055M) Imperial (PN RCR055I)
Secondary Section	16mm Furring Channel x 0.35 BMT (PN 308035)
Suspension	PN 149 M6 Suspension Rod @1200mm centres
Allowable Deflection (Conforms to ASTM C645)	L/360

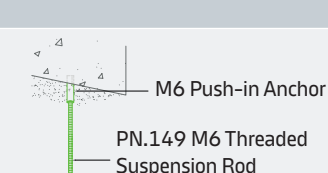
Connecting to Furring Channel



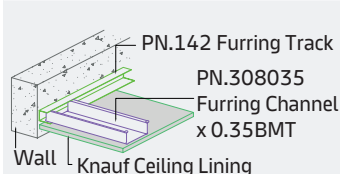
Suspension from Roof Purlin or Rafter



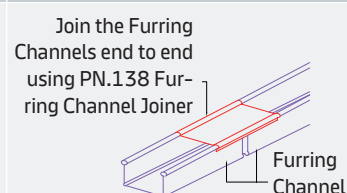
Suspension from Soffit of Slab



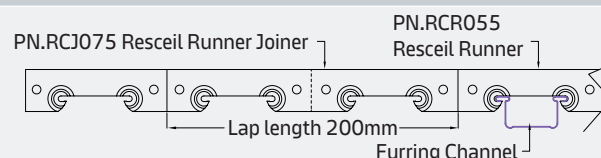
Furring Channel to Wall



Furring Channel Connection

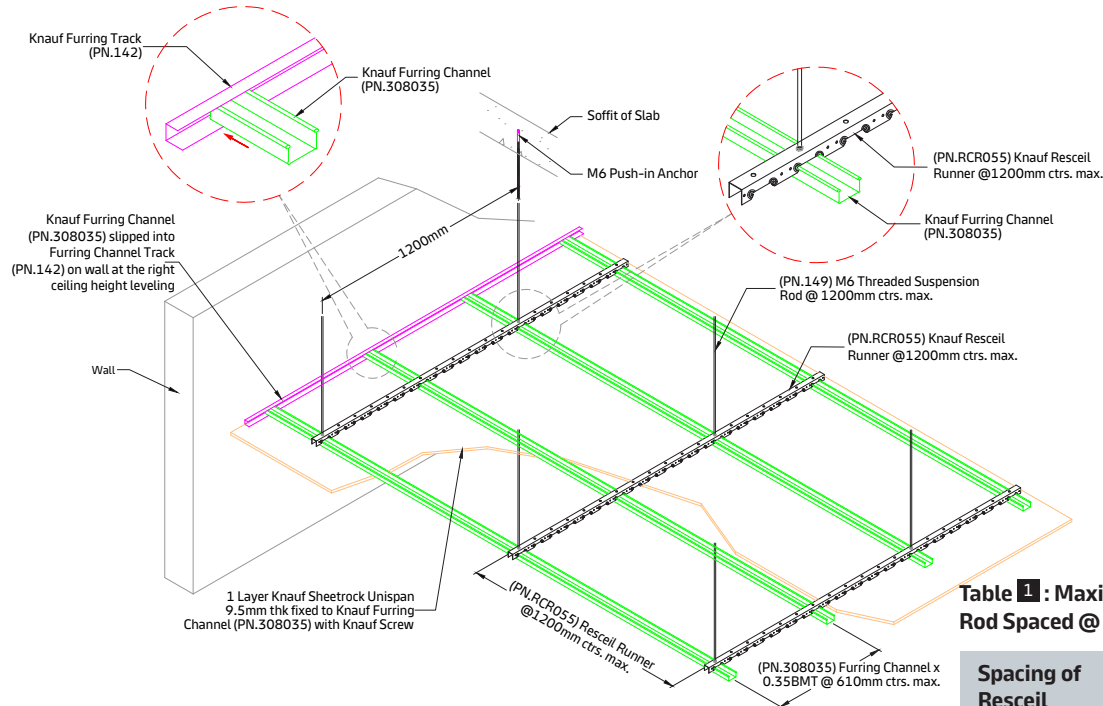


Resceil Runner Connection



Resceil System Overview

Resceil Lightweight Ceiling System with Knauf Sheetrock® Unispan® 9.5mm (Slab Soffit)



NOTE:

1. Ceiling drop max. height = 3000mm
2. Deflection limited to $L/360$
3. Ultimate limit stage: $1.4G + 1.7U$.
Serviceability limit stage: $G + U$
4. System weight: 8.3kg/m^2

RESCEIL CEILING ISOMETRIC VIEW

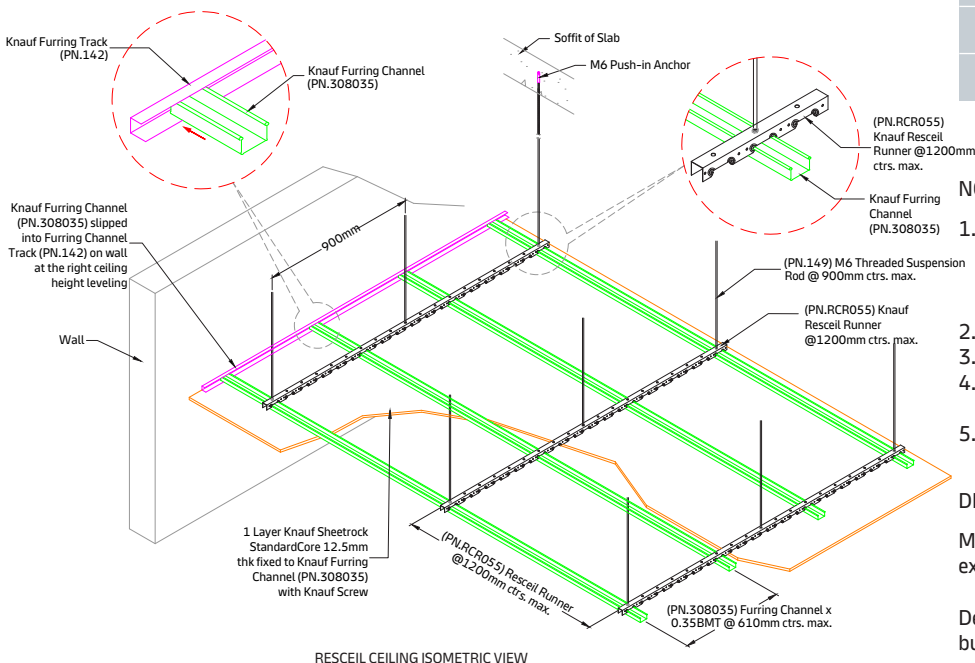
Table 1 : Maximum Ceiling Load Suspension Rod Spaced @ 1200mm

Spacing of Resceil Runner (mm)	Spacing of Furring Channel PN. 308035		
	610mm	406mm	305mm
900	22	25	25
1200	9.5	14	19

Table 2 : Maximum Ceiling Load Suspension Rod Spaced @ 900mm

Spacing of Resceil Runner (mm)	Spacing of Furring Channel PN. 308035		
	610mm	406mm	305mm
900	25	34	45
1200	11.5	16	23

Resceil Lightweight Ceiling System with Knauf Sheetrock® StandardCORE™ 12.5mm (Slab Soffit)



NOTE:

1. The above table gives allowable dead load for the various ceiling configurations. The calculated ceiling weight therefore does not have to be forced in accordance with AS/NZS 2785.
2. Deflection limited to $L/360$.
3. Lining contribution is excluded in analysis.
4. Ultimate limit stage: $1.4G + 1.7U$. Serviceability limit stage: $G + U$
5. The above maximum ceiling load is in 10.4kg/m^2 .

DISCLAIMER :

Maximum load on the Resceil System shall not exceed 3kg/m^2 (Imposed load).

Design assumption on no additional wind load, building effectively sealed and air conditioned.

RESCEIL CEILING ISOMETRIC VIEW

KNAUF CEILING BATTEN R203



Knauf Ceiling Batten R203 is a high-quality metal bracket used for installation of Knauf plasterboards to create concealed interior ceiling systems. Made to exacting standards, the Knauf Ceiling Batten R203 assures reliability and peace of mind.

Advantages



Strong and Safe

- Manufactured using high-quality Aluminium Zinc of 0.35mm BMT. Specially designed profile helps to increase the strength of the overall framing system.



Fast and Easy Installation

- System is easy to be installed. Task can also be completed quickly.



Durable

- Aluminium Zinc-coated ceiling batten with AZ100 coated mass gives better anti-corrosion performance to the metal framing system.



Quality Assurance

- Each piece of metal bears the “Knauf Ceiling Batten R203” imprint for easy identification and assurance of quality.

Specification

Thickness (mm)	0.35mm BMT*
Dimensions	12mm x 32mm
Length	3600mm
Coating mass	AZ100 (Zinc-Aluminium)

*BMT: Base Metal Thickness



KNAUF STUDS



The Knauf 0.50, 0.55 and 0.75 BMT studs have as standard pre-punched service holes. Being pre-punched hole with no protruding sharp edges eliminates the need for fitting grommets for electrical cabling.

Punched round holes are processed at designated centres along the 1.20 BMT studs.

Mountain knurling along the flanges of the studs is designed to provide the screw point with a positive location during fitting of the lining board.

In situations where the stud length is shorter than that required, the 0.50, 0.55 and 0.75 BMT studs may be spliced to extend the overall stud length. Studs of 1.20 BMT or greater may be spliced back to back.

Studs of 0.50, 0.55 and 0.75 BMT may be boxed and studs of 1.20 BMT may be fixed back to back. This provides greater rigidity at window and door openings and also at points where extra load carrying capacity is required – such as shelf loads.

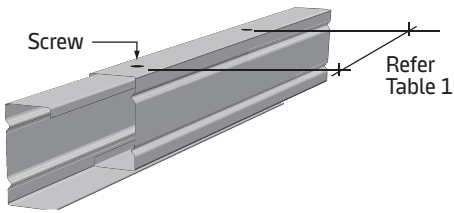
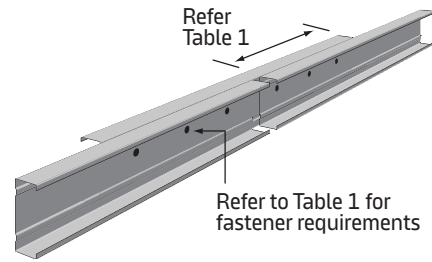
The maximum wall height and ceiling span tables have been formulated in accordance with the requirements of the Building Code of Australia (BCA) Specification Cl.8 “Structural Tests for Lightweight Construction”.

Suitable For

- Non-load-bearing partition walls
- Load Bearing Walls by design
- Steel Stud Ceiling Systems
- Window and Door Jambs
- Non-Fire Rated Systems
- Fire Rated Systems
- Acoustic Wall Systems by design
- External Wall System by design
- Light Weight Floor Joists
- Bulkheads

Product Features

- Available in custom lengths (please refer to Knauf representative)
- The majority of Studs and Tracks are hemmed for safety and increased strength
- Pre-punched hole to mitigate damages to services
- Flexible Track available for curved walls
- Manufactured from Aluminium/Zinc Alloy - coated steel AZ150.
- Profiles widths range from 51 to 150mm and gauges from 0.50 to 1.20BMT

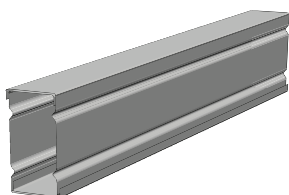
Spliced Studs**0.50 / 0.55 / 0.75 BMT STUDS****1.20 BMT STUDS****Table 1: Fixing Guide for Splice Studs**

Stud Gauge (BMT)	Wall Height (m)	Splice Location (%)	Splice Length (mm)	No of Fasteners
0.50 / 0.55	0 - 4	10	330	2
		25	690	3
	4 - 6	10	740	3
		25	1540	4
0.75	0 - 4	10	250	2
		25	520	2
	4 - 6	10	560	2
		25	1160	3
1.20	0 - 4	10	300	3
		25	300	3
	4 - 6	10	450	3
		25	540	4

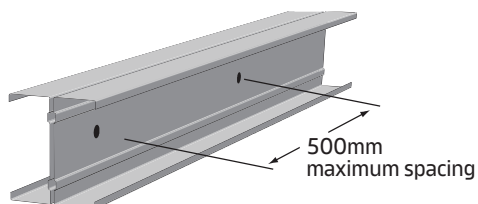
Note:

- Splices to be alternated top and bottom along well.
- Splicing of studs shall not be undertaken for load bearing (axial) walls.
- Do not splice studs between 25% - 75% of the wall height.
- All fasteners shall be #8 tek screws, or equivalent.
- Walls may be lined both sides or one side.
- Maximum stud spacing 600mm centres.

Boxed / Back-to-Back Studs



0.50 / 0.55 / 0.75 BMT STUDS

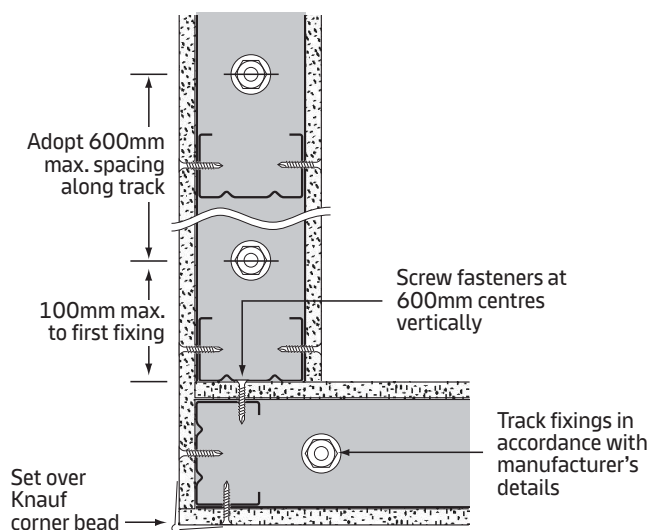


1.20 BMT STUDS

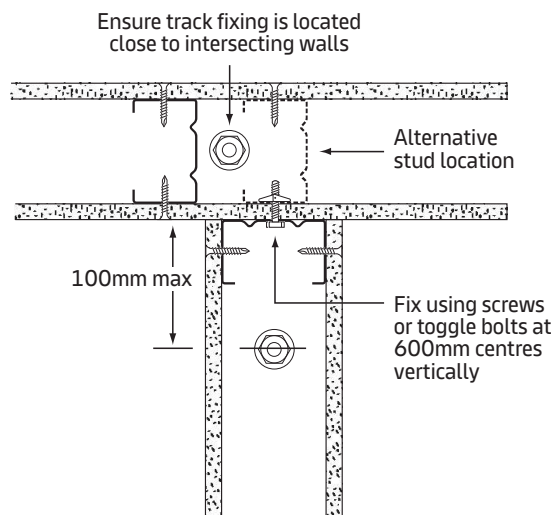
Note:

- Screw fixing the boxed studs is only required when the studs are unlined.
- Screw through web at 500mm max centres to ensure studs act as one beam/column.

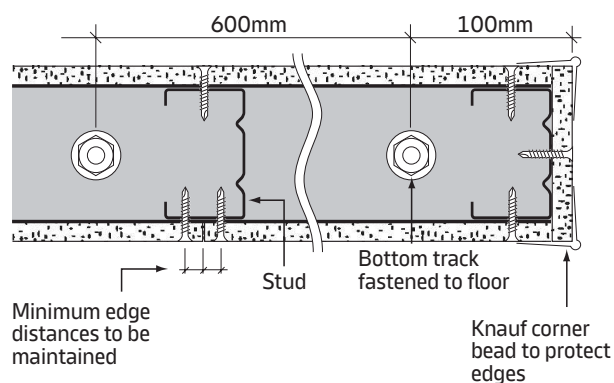
Corner - Single Layer Application



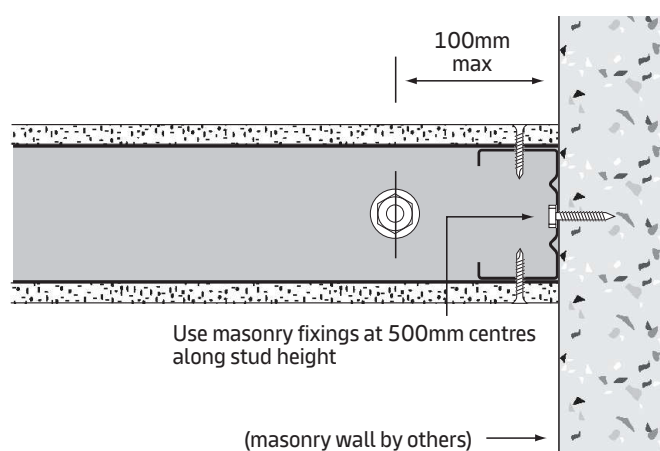
Intersection - Single Layer Application



Wall End



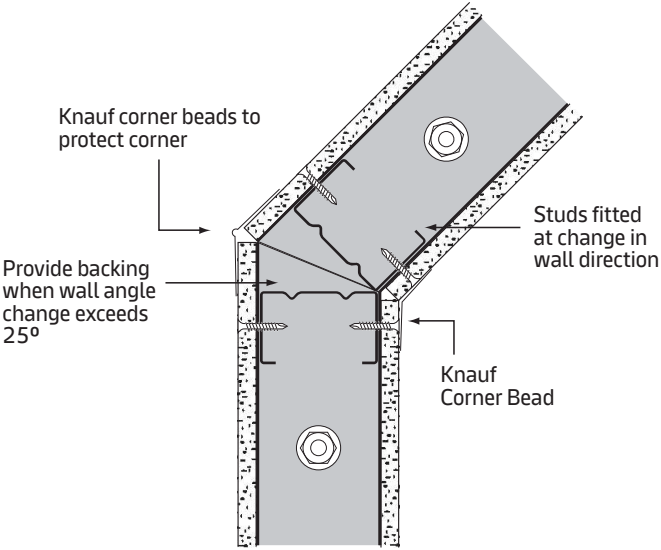
Intersection - Masonry



Note:

Refer lining board manufacturer's details where movement joints are required.

Angled Wall



Note:
Fixing and finishing of lining boards to be in accordance with manufacturer's recommendations

Product Data

Knauf Studs		Description	Part No.
	0.50*/0.55 BMT 	0.50 BMT 51mm stud 64mm stud	401 112
	0.75 BMT 	0.55 BMT 76mm stud 92mm stud 100mm stud 125mm stud	403 251 259 261
	1.20 BMT 	0.75 BMT 51mm stud 64mm stud 76mm stud 92mm stud 100mm stud 125mm stud 150mm stud	489 491 493 495 264 267 511
		1.20 BMT 64mm stud 76mm stud 92mm stud 100mm stud 125mm stud 150mm stud	661 671 681 276 278 691

KNAUF TRACKS & DEFLECTION HEAD TRACKS (DHT)



Track sections provide a friction fit for the studs, which not only holds the studs in position until the lining board is fitted, but also provides a slip joint to allow for movement in the structure. For this reason do not screw the lining board to the track sections unless specifically stated.

Track sections come into two different profiles: a standard track which has a nominal 32mm flange; and deflection head track which has a 50mm flange.

In general, standard tracks are used unless the project engineer has indicated that deflection heads are required or the wall height is 4800mm or greater.

There is no requirement to isolate the track sections from slabs, unless specifically stated.

Track sections are nominally 3000mm long and should be fixed at not more than 600mm centres. Fixings should be placed within 100mm from either end of the track sections.

Suitable For

- Non-load-bearing partition walls
- Load Bearing Walls by design
- Steel Stud Ceiling Systems
- Window and Door Jambs
- Non-Fire Rated Systems
- Fire Rated Systems
- Acoustic Wall Systems by design
- External Wall System by design
- Light Weight Floor Joists
- Bulkheads

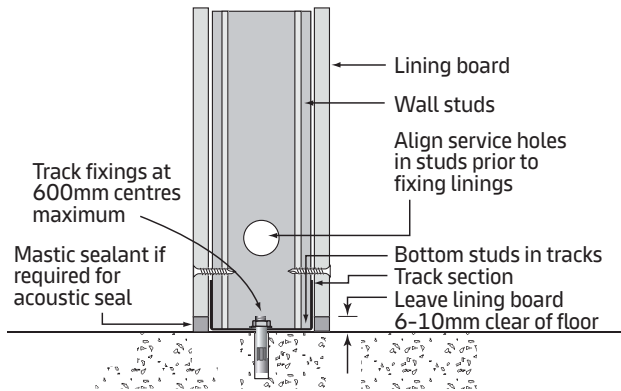
Product Features

- Available in custom lengths (please refer to Knauf representative)
- The majority of Studs and Tracks is hemmed for safety and increased strength
- Pre-punched service holes to mitigate damages to services
- Flexible Track available for curved walls
- Manufactured from Aluminium/Zinc Alloy - coated steel AZ150.
- Profiles widths range from 51 to 150mm and gauges from 0.50 to 1.15BMT

Studs & Tracks Installation Information

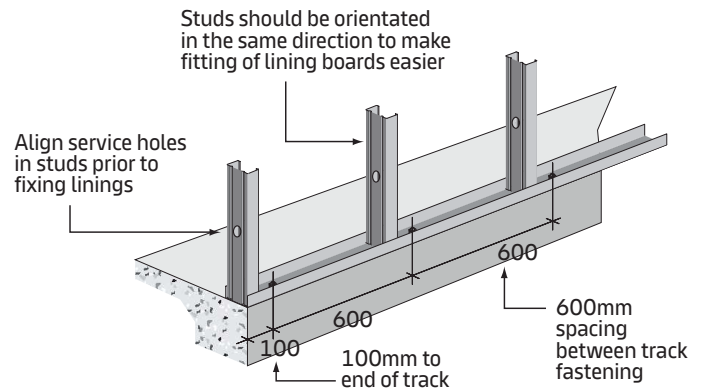
Knauf Tracks

Track Fixing Details



Note:

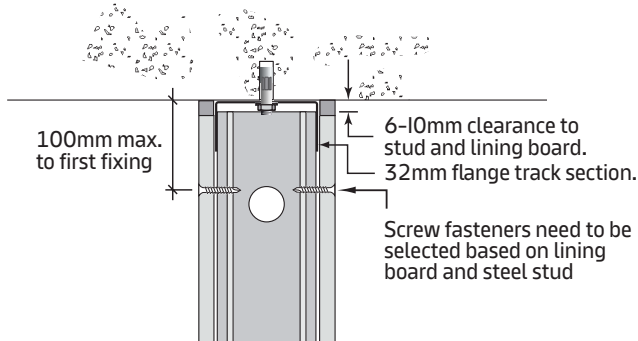
- DPC is not required under the track unless specified otherwise. Lining boards finished square at the base make fitting trims easier.
- When using 150mm track, use two fixings approx. 20mm in from either side of the track.



Note:

Where tracks are fastened to concrete floors, minimum edge distances for all fixings must be maintained.

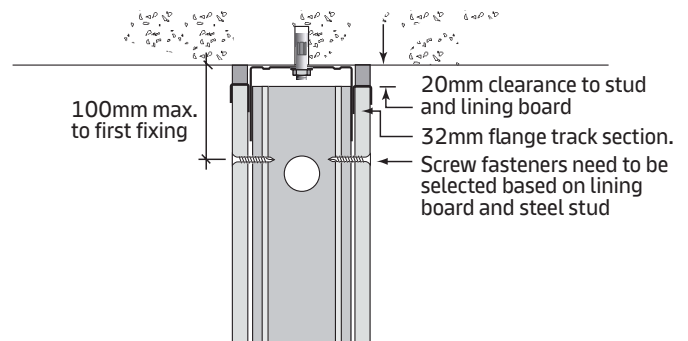
Friction Fit / Deflection Head



FRICTION FIT

Note:

Do not rigidly fix cornice to walls where friction joints are used.

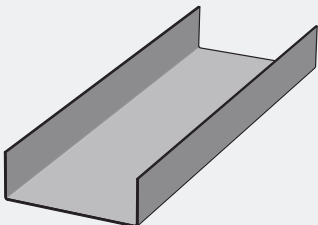
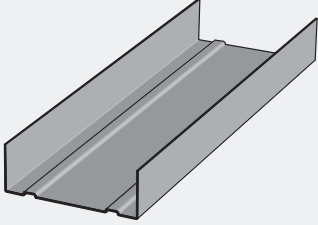
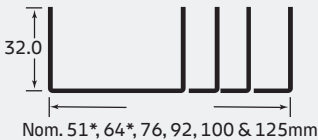


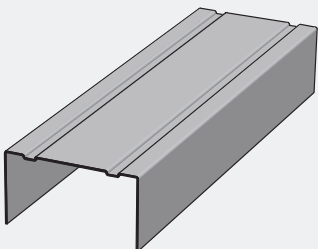
DEFLECTION HEAD

Note:

Do not rigidly fix cornice to walls where deflection head are used.

Product Data

Knauf Tracks	Description	Part No.
	0.50 BMT	
	51 x 32mm track 64 x 32mm track	400 111
	0.55 BMT	
	76 x 32mm track 92 x 32mm track 100 x 32mm track 125 x 32mm track	402 250 258 260
	0.75 BMT	
	51 x 32mm track 64 x 32mm track 76 x 32mm track 92 x 32mm track 100 x 32mm track 125 x 32mm track 150 x 50mm track	490 492 494 496 263 268 512
	1.20 BMT	
	64 x 32mm track 76 x 32mm track 92 x 32mm track 100 x 32mm track 125 x 32mm track 150 x 50mm track	660 670 680 275 269 692

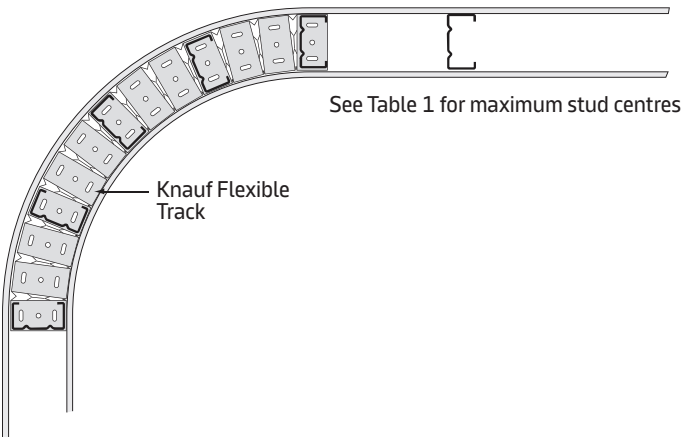
Deflection Head Tracks	Description	Part No.
	0.75 BMT	
	51 x 50mm DHT 64 x 50mm DHT 76 x 50mm DHT 92 x 50mm DHT 100 x 50mm DHT 125 x 50mm DHT 150 x 50mm DHT	488 497 498 499 265 266 510
	1.20 BMT	
	64 x 50mm DHT 76 x 50mm DHT 92 x 50mm DHT 100 x 50mm DHT 125 x 50mm DHT 150 x 50mm DHT	663 673 683 279 277 690

KNAUF FLEXIBLE TRACK



When constructing curved walls, stud centres should be reduced to suit the lining board manufacturer’s recommendations. Knauf Flexible Track at top and bottom should be curved to match the specified radius and fastened to the structure through the holes provided in the web. Each fixing should be as near as possible to the stud point. Stud must be fixed both sides through the holes provided in both flanges. Care should be taken when tracks span between purlins and in some instances, strengthening may be required.

Framing Preparation For Curved Walls



Minimum Curving Radius For Knauf Curving Wall	
Track Width	Minimum Radius
51mm	180mm
64mm	200mm
76mm	230mm
92mm	280mm
150mm	475mm

Table 1: Stud Centres For Curved Walls

Lining Board Thickness (mm)	Radius (mm)						
	900-1000	1000-1500	1500-2000	2000-2500	2500-3000	3000-4000	4000+
	Maximum Stud Centres (mm)						
6.0 – 6.5	150	200	250	300	350	450	550
10	150	200	250	300	350	400	500
13	-	150	200	250	300	400	500
16	-	-	-	-	-	250	350

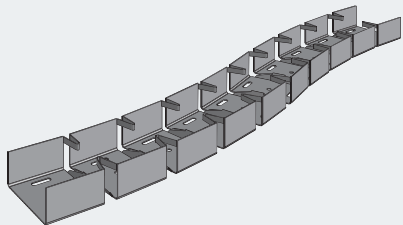
Suitable For

- Non-load-bearing partition walls
- Load Bearing Walls by design
- Steel Stud Ceiling Systems
- Window and Door Jambs
- Non-Fire Rated Systems
- Fire Rated Systems
- Acoustic Wall Systems by design
- External Wall System by design
- Light Weight Floor Joists
- Bulkheads

Product Features

- Available in custom lengths (please refer to Knauf representative)
- The majority of Studs and Tracks is hemmed for safety and increased strength
- Bell mouthed service holes to mitigate damages to services
- Flexible Track available for curved walls
- Manufactured from Aluminium/Zinc Alloy - coated steel AZ150.

Product Data

Flexible Wall Track	Description	Part No.
	51mm flexible track	103
	64mm flexible track	104
	76mm flexible track	105
	92mm flexible track	106
	Deflection Head Flexible Track	
	64mm DH flexible track	107
	76mm DH flexible track	108
	92mm DH flexible track	109
	105mm DH flexible track	110

KNAUF NOGGING



Noggings are designed to provide support to the wall studs and prevent twisting of the studs when fitting the lining boards. Noggings should be screwed, or crimped to both flanges of the studs.

Noggings of 0.75 BMT have been checked and approved for use with 1.20 BMT studs.

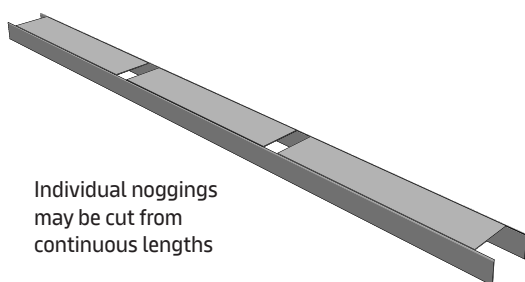
Knauf produces a continuous noggling track which can be fitted to the stud framing in one length, or individual noggings may be cut from the track. Noggling track is produced in 0.75 BMT to suit all stud framed wall installations. Where services are to be fitted and a recessed noggling is required this may be cut from stud or track.

Heavy fixtures may be fitted to the wall framing by fabricating custom noggling.

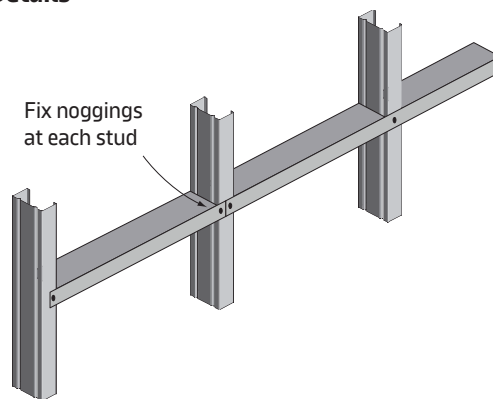
The minimum number of noggings required may be determined from Table 1, however it should be noted that in some instances a more economical design may be achieved using more noggings.

Table 1 is applicable for internal partitioning subjected to 0.25kPa only.

Continuous Noggling Track



Noggling Details



Minimum Number of Noggings

Wall Height (m)	Lining Condition	Lining Condition
0 - 4.4	Both sides	0
4.4 - 8.8		1
0 - 3	Lined one side	1
3 - 6		2
6 - 8		3
8+		4

Table 1

Note:

Walls connected to the underside of a concrete slab to be installed with deflection head track and an additional row of noggings 100mm down if unlined, or lined one side only. This does not apply if using Knauf Slotted Deflection Head Track.

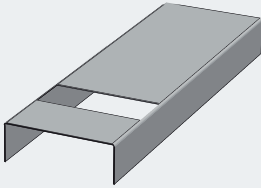
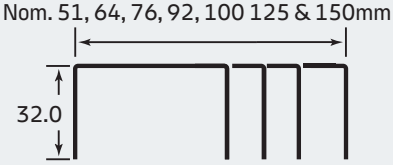
Suitable For

- Non-load-bearing partition walls
- Load Bearing Walls by design
- Steel Stud Ceiling Systems
- Window and Door Jambs
- Non-Fire Rated Systems
- Fire Rated Systems
- Acoustic Wall Systems by design
- External Wall System by design
- Light Weight Floor Joists
- Bulkheads

Product Features

- Available in custom lengths (please refer to Knauf representative)
- The majority of Studs and Tracks is hemmed for safety and increased strength
- Pre-punched hole to mitigate damages to services

Product Data

Nogging Tracks	Description	Part No.
 	0.75 BMT	
	51mm x 3600mm - 600ctr	503
	- 450ctr	503
	64mm x 3600mm - 600ctr	504
	- 450ctr	504
	76mm x 3600mm - 600ctr	505
	- 450ctr	505
	92mm x 3600mm - 600ctr	506
	- 450ctr	506
	100mm x 3600mm - 600ctr	509
	- 450ctr	509
	125mm x 3600mm - 600ctr	508
	- 450ctr	508
	150mm x 3600mm - 600ctr	507
	- 450ctr	507

5 *Compounds*

Our extensive range of compounds is designed for jointing, bonding, skimming, and patching building interiors. Each solution is formulated to meet diverse application needs and performance standards, ensuring high-quality results for every project.



KNAUF SHEETROCK® ALL PURPOSE JOINT COMPOUND



Knauf Sheetrock® All Purpose Joint Compound is a ready-mixed, lightweight compound suitable for all three coat applications or as a finishing coat for all plasterboard joints, angles, and fastener heads. Complies with ASTM C475 (where applicable).



1st Coat



2nd Coat



Finishing Coat



Sandable



Patching



Skimming

Product Features

- Excellent bond
- Premium grade lightweight, all-purpose and finishing compound
- May be used for all three coats or as a finishing coat
- Excellent workability, easy application by hand or with mechanical tools
- Minimal mixing and cleaning of tool
- Sandable by hand or with mechanical sanding tools
- Smooth finish
- Excellent surface for painting

Recommended

- Knauf Sheetrock® All Purpose Joint Compound is suitable for use as all three coats in the Knauf 3 coat jointing system.
- Knauf Sheetrock® All Purpose Joint Compound is suitable for the final coating of plasterboard joints, angles, and fastener heads when used in conjunction with Knauf setting type joint compounds for first and second coats.

Applications

- Surfaces must be clean and free from dust.
- Knauf Sheetrock® All Purpose Joint Compound may have high viscosity in the pail. It may be diluted to a workable viscosity by adding water followed by mechanical mixing.
- Can be applied by hand or mechanical tools.
- When using Knauf Sheetrock® All Purpose Joint Compound, paper tape must be used for taping in the first coat.
- Finish all joints, external corners and fasteners with a 3 coat jointing system. Only two coats are required for internal corners

Directions - Jointing and Finishing

First Coat 150mm/300mm Wide

(Tapered Edge Joint/Square Edge Joint)

- Cover joint with a thin layer of compound and embed paper tape, leaving at least 1mm of compound under the tape. Feather the edges and allow to dry.
1. Cover joint with a thin layer of compound and embed paper tape, leaving at least 1mm of compound under the tape. Feather the edges and allow to dry.

Second Coat 200mm/400mm Wide

(Tapered Edge Joint/Square Edge Joint)

2. Lightly scrape back the joint before applying the second coat, feathering approximately 50mm (tapered edge joint) or 100mm (square edge joint) beyond the first coat. Allow to dry.

Third Coat 250mm/500mm Wide

(Tapered Edge Joint/Square Edge Joint)

3. Lightly scrape back the joint and apply the third coat, feathering 50mm (tapered edge joint) or 100mm (square edge joint) beyond the second coat. Allow to dry and sand lightly.
4. Knauf Sheetrock® All Purpose Joint Compound must be allowed to dry thoroughly (up to 24 hours depending on temperature and humidity) before re-coating or sanding.
5. Only apply over setting type compounds that have been allowed to dry thoroughly.
6. Sand with care using 180 or 220 grit paper. All surfaces including applied joint compound require light sanding, thoroughly dry, dust-free, and not glossy before painting.
7. Thoroughly clean all tools and equipment after use.

NOTE: All surfaces including applied joint compound require light sanding before painting.

Mixing

- Always use clean tools.
- Do not mix with residues of previously used compounds.
- The inclusion of such materials will impair the performance of this product and will void the product warranty.
- Knauf Sheetrock® All Purpose Joint Compound may appear thick in pail. Before adding water, lightly mix and test its application. If required, add water to achieve desired consistency.
- **Caution:** Avoid overthinning when adding water as this may cause cracking and excessive shrinkage.
- If liquid has separated from the compound, stir carefully to restore consistency.
- **Caution:** Do not overmix; overmixing can introduce air bubbles, which can create surface imperfections.

Storage

- Knauf Sheetrock® All Purpose Joint Compound should be stored under a cover in a dry environment and protected from temperature extremes. Storage in an unsuitable environment can shorten the lifespan of this product.
- Knauf Sheetrock® All Purpose Joint Compound has a shelf life of 9 months from the date of manufacture.

Product Information

Colour	White
Drying Time	12 - 24 hours (depending on local conditions)
Packaging	Net 5kg and 28kg re-sealable pail
VOC	Meet ISO 11890-2 (<25g/L)
Jointing Coverage	47.6m ² (1kg covers 1.7m ²)
Skimming Coverage	Approximately 33m ² /28kg pail at 1mm thickness and skimming viscosity

Limitations

- The application of Knauf Sheetrock® All Purpose Joint Compound at interior temperatures less than 10°C is not recommended. Under cold or wet weather conditions, allow more than 24 hours for thorough drying.
- When diluting Knauf Sheetrock® All Purpose Joint Compound, do not vigorously overmix as this will introduce entrapped air, which can result in surface imperfections.
- Do not apply Knauf Sheetrock® All Purpose Joint Compound over joints that are not thoroughly dry; pinholes may result.
- Do not use sandpaper lower than 150 grit. Take care to avoid scratching when sanding.
- The inclusion of other materials to a mix will impair the performance (e.g. reduced strength and poor adhesion) and void the product warranty.
- Consume an opened bucket within 48 hours.

Precautionary Statement

- Dust from this product contains silica. Prolonged inhalation may be harmful to health.
- Ensure adequate ventilation. Wear eye protection and an approved disposable respirator.
- If dust or paste causes irritation, use impervious PVC, nitrile or rubber gloves. Wash exposed skin after handling. If product gets into the eyes, wash thoroughly with clean water.
- Do not ingest contents of package. If ingested, seek medical advice immediately.
- Keep contents out of reach of children.
- Be conscious of the environment. Dispose of empty packaging in a responsible manner.
- Follow safe lifting instructions on the product label.

KNAUF SHEETROCK® PREMIUM PREMIX



Knauf Sheetrock® Premium Premix is a ready-mixed, lightweight compound suitable for all three coat applications or as a finishing coat for all plasterboard joints, angles, and fastener heads. Complies with ASTM C475 (where applicable).



1st Coat



2nd Coat



Finishing Coat



Sandable



Patching



Skimming

Product Features

- Minimal shrinkage
- Easy sanding
- Exceptional crack resistance
- Excellent bond
- Smooth finish

Recommended

- Knauf Sheetrock® Premium Premix is suitable for use as all three coats in the Knauf 3 coat jointing system.
- Knauf Sheetrock® Premium Premix is suitable for the final coating of plasterboard joints, angles, and fastener heads when used in conjunction with Knauf setting type joint compounds for first and second coats.

Applications

- Surface must be clean and free from dust.
- Knauf Sheetrock® Premium Premix may have high viscosity in the pail. It may be diluted to a workable viscosity by adding water followed by mechanical mixing.
- Can be applied by hand or mechanical tools.
- When using Knauf Sheetrock® Premium Premix for all three coats, the first coat must be used to bed a high-quality paper tape such as Knauf Paper Joint Tape.

Directions - Jointing and Finishing

First Coat 150mm/300mm Wide

(Tapered Edge Joint/Square Edge Joint)

1. Cover joint with a thin layer of compound and embed paper tape, leaving at least 1mm of compound under feathered edge and allow to dry.

Second Coat 200mm/400mm Wide

(Tapered Edge Joint/Square Edge Joint)

2. Apply second coat, feathering approximately 50mm (tapered edge joint) or 100mm (square edge joint) beyond first coat. Allow to dry.

Third Coat 250mm/500mm Wide

(Tapered Edge Joint/Square Edge Joint)

3. Apply third coat, feathering 50mm (tapered edge joint) or 100mm (square edge joint) beyond second coat. Allow to dry and sand lightly. Finish fastener heads, corner beads, and inside corners as required with at least three coats of joint compound, feathered onto panel faces and finished to a smooth surface.

4. Knauf Sheetrock® Premium Premix Joint Compound must be allowed to dry thoroughly (up to 24 hours depending on temperature and humidity) before re-coating or sanding.
5. Only apply over setting type compounds that have been allowed to dry thoroughly.
6. Sand with care using 180 to 220 grit sandpaper.
7. Thoroughly clean all tools and equipment after use.

NOTE: All surfaces including applied joint compound require light sanding before painting.

Mixing

- Always use clean tools.
- Do not mix with residues of previously used compounds.
- The inclusion of such materials will impair the performance of this product and will void the product warranty.
- Knauf Sheetrock® Premium Premix Joint Compound may appear thick in pail. Before adding water, lightly mix and test its application. If required, add water to achieve desired consistency.
- Caution: Avoid overthinning when adding water as this may cause cracking and excessive shrinkage.
- If liquid has separated from the compound, stir carefully to restore consistency.
- Caution: Do not overmix; overmixing can introduce air bubbles, which can create surface imperfections.

Storage

- Knauf Sheetrock® Premium Premix should be stored under a cover in a dry environment and protected from temperature extremes. Storage in an unsuitable environment can shorten the lifespan of the product.
- Knauf Sheetrock® Premium Premix has a shelf life of 9 months from the date of manufacture.

Product Information

Colour	White
Drying Time	12 - 24 hours (depending on local conditions)
Packaging	Net 5.4kg and 28kg re-sealable pail
VOC	Meet ISO 11890-2 (<25g/L)
Jointing Coverage	47.6m ² (1kg covers 1.7m ²)
Skimming Coverage	Approximately 33m ² /28kg pail at 1mm thickness and skimming viscosity

Limitations

- The application of Knauf Sheetrock® Premium Premix at interior temperatures less than 10°C is not recommended. Under cold or wet weather conditions, allow more than 24 hours for thorough drying.
- When diluting Knauf Sheetrock® Premium Premix, do not vigorously overmix as this will introduce entrapped air which can result in surface imperfections.
- Do not apply Knauf Sheetrock® Premium Premix over joints that are not thoroughly dry; pinholes may result.
- Do not use sandpaper lower than 150 grit. Take care to avoid scratching when sanding.
- The inclusion of other materials to a mix will impair the performance (e.g. reduced strength and poor adhesion) and void the product warranty.
- Consume an opened bucket within 48 hours.

Precautionary Statement

- Dust from this product may contain silica. Prolonged inhalation may be harmful to health.
- Ensure adequate ventilation. Wear eye protection and an approved disposable respirator.
- If dust or paste causes irritation, use impervious PVC, nitrile or rubber gloves. Wash exposed skin after handling. If product gets into the eyes, wash thoroughly with clean water.
- Do not ingest contents of package. If ingested, seek medical advice immediately.
- Keep contents out of reach of children.
- Be conscious of the environment. Dispose of empty packaging in a responsible manner.
- Follow safe lifting instructions on the product label.

KNAUF MAXI SKIM™



Knauf Maxi Skim™ 88 is a vinyl-based, ready-mixed, high performance compound formulated for filling and smoothing monolithic interior concrete walls and ceilings.

Designed to provide superior crack resistance and durability, it is easily applied with a steel trowel and can be sanded to achieve a fine, matt white finished surface.

Knauf Maxi Skim™ 88 is a non-asbestos formula. It is specially designed for skim coating and finishing over various surfaces with low shrinkage. Complies with ASTM C475 (where applicable).



1st Coat



2nd Coat



Finishing Coat



Sandable



Patching



Skimming

Applications

- Apply Knauf Maxi Skim™ 88 in accordance with manufacturer's recommendations. Maintain surface temperature above 13°C within working area during wall and ceiling finishing. Provide adequate ventilation to ensure proper drying.
- Wall and ceiling surface shall be dry and free from dust, dry salts, oil, grease, and other sources of contamination. Smooth, glossy surface must be sanded back and be treated with bonding agent.
- Lay on the first coat of Knauf Maxi Skim™ 88 to a minimum thickness of 2mm using a trowel and grade to provide a flat smooth surface. If additional coat is required, allow first coat to dry before applying the second coat.
- Touch up remaining uneven areas with the Knauf Maxi Skim™ 88 where required. Allow to fully dry prior to sanding.
- When sanding, fine sandpaper (220 grit or higher) must be used to prevent scratching of the dry surface.
- Thoroughly clean all tools and equipment after use.

NOTE:

If applying on a masonry or precast surface, the use of a surface sealer (PVAC) or surface damping with water is encouraged to reduce surface suction and optimise the surface adhesion. All surfaces including applied joint compound require light sanding before painting.

Mixing

- Apply Knauf Maxi Skim™ 88 in accordance with manufacturer's recommendations. Maintain surface temperature above 13°C within working area during wall and ceiling finishing. Provide adequate ventilation to ensure proper drying.
- Wall and ceiling surface shall be dry and free from dust, dry salts, oil, grease, and other sources of contamination. Smooth, glossy surface must be sanded back and be treated with bonding agent.
- Lay on the first coat of Knauf Maxi Skim™ 88 to a minimum thickness of 2mm using a trowel and grade to provide a flat smooth surface. If additional coat is required, allow first coat to dry before applying the second coat.
- Touch up remaining uneven areas with the Knauf Maxi Skim™ 88 where required. Allow to fully dry prior to sanding.
- When sanding, fine sandpaper (220 grit or higher) must be used to prevent scratching of the dry surface.
- Thoroughly clean all tools and equipment after use.

Storage

- Knauf Maxi Skim™ 88 should be stored under a cover in a dry environment and protected from temperature extremes. Storage in an unsuitable environment can shorten the lifespan of the product.
- Knauf Maxi Skim™ 88 has a shelf life of 9 months from the date of manufacture.

Product Information

Colour	White
Drying Time	At least 2.5 hours depending on working site temperature/humidity
Packaging	Net 5kg and 25kg re-sealable pail
VOC	Meet ISO 11890-2 (<25g/L)
Jointing Coverage	42.5m ² (1kg covers 1.7m ²)
Skimming Coverage	Approximately 32m ² /25kg pail at 1mm thickness and skimming viscosity

Limitations

- Keep away from direct sunlight.
- Addition of water or other materials other than at the recommended levels.
- Achieve the final finishing surface by successive building up of Knauf Maxi Skim™ 88 layers. Allow each layer to completely dry prior to the next layer. Excessively thick layers may affect product performance.

Precautionary Statement

- Dust from this product may contain silica. Prolonged inhalation may be harmful to health.
- Ensure adequate ventilation. Wear eye protection and an approved disposable respirator.
- If dust or paste causes irritation, use impervious PVC, nitrile or rubber gloves. Wash exposed skin after handling. If product gets into the eyes, wash thoroughly with clean water.
- Do not ingest contents of package. If ingested, seek medical advice immediately.
- Keep contents out of reach of children.
- Be conscious of the environment. Dispose of empty packaging in a responsible manner.
- Follow safe lifting instructions on the product label.

KNAUF SHEETROCK® DURABOND® 90



Knauf Sheetrock® Durabond® 90 is a chemically setting powder compound for plasterboard interiors that permits same-day joint finishing, and usually, next-day decoration. It is also ideal for heavy fills and is virtually unaffected by humidity. It provides low shrinkage and superior bond, which makes it excellent for laminating plasterboard to plasterboard (including back-blocking), from sound-deadening boards to above-grade concrete surfaces. In addition, Knauf Sheetrock® Durabond® 90 can be used for filling, smoothing, and finishing interior concrete ceilings and above-grade concrete and for taping and finishing water-resistant plasterboard under tiles in bathroom wall areas. Other uses include finishing joints in exterior soffits/eaves, presetting joints in veneer plaster finish systems, and as an adhesive for bonding cove cornices.

1st Coat2nd Coat

Finishing Coat



Sandable



Patching



Skimming



Bonding



Hand & Mechanical Tools

Product Features

- For interior and semi-exposed exterior wall and ceiling applications
- Unique humidity resistance
- Exceptional bond, low shrinkage
- Unusual check-crack resistance in heavy fills

Advantages

Saves time and money

This joint compound provides important labour and material cost reductions. One-day finishing with next-day decoration ensures rapid job completion and earlier occupancy. Setting time choices aid work flow.

Quickly mixed for immediate use

Easy to mix. Simply combine with water and stir. Compound is applied after short soaking period and remixing.

Resists shrinkage and edge-cracking

Compound tolerates small amounts of excess water that would otherwise cause delayed shrinkage. Fill and finish coats can be applied when compound is hard but still damp with minimum danger of delayed shrinkage and cracking.

Resists humidity changes

Setting rates are virtually unaffected by high humidity or changes in humidity. Application can be made in wet weather conditions where ready-mixed compounds would delay job completion.

Multiple use

Compound is also excellent for patching and smoothing interior plasterboard and concrete surfaces because it provides superior bond, low shrinkage, and fast setting action.

Applications

- Surfaces must be clean and free from dust.
- The use of paper tape is recommended such as Knauf Paper Joint Tape.
- Ensure there is sufficient amount of compound under the paper tape to provide adhesion.

Directions - Jointing and Finishing

First Coat 150mm/300mm Wide

(Tapered Edge Joint/Square Edge Joint)

1. Using a broad knife, evenly fill the joint recess formed by the edges of the plasterboard with Knauf Sheetrock® Durabond® 90.
2. Centre paper tape along the joint and press into the compound using the broad knife.
3. Draw the broad knife at a 45° angle along the joint with enough pressure to remove excess compound and any air bubbles caught beneath the tape. Leave enough compound under the tape to provide a strong bond.
4. Apply a thin layer of compound over the tape to prevent the tape edge from curling and cracking. Feather the compound from the edges outwards. Cover all fastener heads with spots of compound.

Second Coat 200mm/400mm Wide

(Tapered Edge Joint/Square Edge Joint)

5. When dry, apply a second coat using a plasterer's trowel approximately 50mm (tapered edge joint) or 100mm (square edge joint) wider than the first coat. Spot fastener heads again. Allow to dry.
6. When the second coat has dried, scrape or sand back any excess compound for a smooth and level surface.

Third Coat 250mm/500mm Wide**(Tapered Edge Joint/Square Edge Joint)**

7. Apply a finishing coat of compound with a trowel approximately 50mm (tapered edge joint) or 100mm (square edge joint) wider than the previous coat.
8. When dry, using 180 to 220 grit sandpaper in a hand sander, lightly sand to a smooth finish, taking care not to scuff the surrounding plasterboard.
9. Thoroughly clean all tools and equipment after use.

NOTE: Sanding

- All types of plasterboard joints require light sanding before painting.

Exterior Soffits/Eaves

Mix joint compound according to directions on bag. Do not overmix or use in temperature below 8°C (45°F.) Prefill joints with Knauf Sheetrock® Durabond® 90. After prefill has set, embed Knauf Paper Joint Tape centred over joint. When compound has set, immediately apply fill coat. Apply joint compound over flanges of zinc control joints, corner beads, and metal trims. Spot fastener heads. After fill coat has set, apply finishing coat of joint compound. Completely cover all joints, angles, beads, control joints, and fasteners. After the joint compound joint has dried, apply one coat of a good-quality oil or latex exterior primer. Then, follow with at least one coat of a good-quality latex exterior paint.

Use with Water-Resistant Plasterboard

In areas to be tiled, for tapered edge joints, embed Knauf Paper Joint Tape with Knauf Sheetrock® Durabond® 90. When set, apply a fill coat. Take care not to crown the joint. Wipe excess joint compound from the panel surface before it sets. For butt joints and interior angles, embed Knauf Paper Joint Tape with Knauf Sheetrock® Durabond® 90. A fill coat is not necessary. Again, take care not to crown the joint. For fasteners, spot fastener heads at least once with Knauf Sheetrock® Durabond® 90.

When penetrations are made in the plasterboard, fill and seal all openings around pipes, fittings, and fixtures with a thinned-down coat of tile adhesive. For best results, use Type I Ceramic Tile Adhesive that meets ANSI A136.1 both as a sealer and to set the tile. With a 25mm brush, apply the thinned adhesive onto the raw plasterboard core at cutouts, and allow the area to dry thoroughly prior to application of tile. For areas not to be tiled, embed tape with joint compound in the conventional manner. Finish with at least two coats of Knauf ready-mixed compound to provide joint finishing for painting and wallpapering.

Laminating and Back-Blocking

Apply Knauf Sheetrock® Durabond® 90 in the prescribed manner to the back of face panels to be laminated or back-blocked. Laminate face panels to base layer panels or back-block panels using moderate pressure and temporary nailing or shoring to ensure adequate bond. Refer to plasterboard manufacturer's technical data for exact back-blocking details.

Decorating

For priming and decorating with paint, texture or wallcovering, follow manufacturer's directions for materials used. All surfaces must be dry, dust-free, and not glossy. Walls to be covered with wallpaper or vinyl wallcovering should be sealed per manufacturer's recommendations.

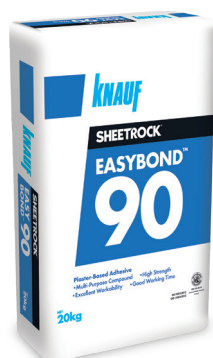
Product Information

Colour	Natural
Setting Time	Setting time of 90 minutes and working time of 60 minutes
Dilution (Water)	Approximately 49 to 56L/100kg. Refer to bag for specific water dilution directions
Density (Dry Bulk)	641kg/m ³
Freezing Sensitivity	None after set, but not necessarily dry
Jointing Coverage	44m ² (1kg covers 2.2m ²)
Skimming Coverage	Approximately 20m ² /20kg bag at 1mm thickness and skimming viscosity
Compliance with Standards	Meet ASTM Standard C475
Storage	Close opened bags as tightly as possible and store in a dry place
Shelf Life	Up to 9 months under protected storage conditions
Packaging	20kg/bag

Limitations

1. Setting type joint compounds are more difficult to smooth after drying than conventional drying type compounds, and should be smoothed before set or while they are in a damp but set state.
2. Setting action cannot be delayed or prevented by dilution with water.
3. Not to be applied over moist surfaces or surfaces likely to become moist, or on below-grade surfaces or surfaces projecting outside building structure unless protected from direct exposure to moisture.
4. Before using Knauf Sheetrock® Durabond® 90 over new interior concrete surfaces, concrete should cure 60 days or more. Remove protrusions, ridges, form or parting oils, grease, and efflorescence.
5. Prior to using any epoxy coating over any surface treated with joint compound, consult the epoxy coating manufacturer and follow manufacturer's recommendations regarding the preparation or suitability of substrates for the epoxy coating. Many epoxy coatings exert significant shear stress on the substrate as the strong epoxy film shrinks while curing/drying. This stress can cause the bond of the joint compound to fail, resulting in delamination problems.

KNAUF SHEETROCK® EASYBOND™ 90



Knauf Sheetrock® EasyBond™ 90 is a plaster-based adhesive formulated to bond plasterboard sheets to masonry, brick, or concrete walls. Knauf Sheetrock® EasyBond™ 90 has high bond strength and offers a long working time.



Bonding

Product Features

- Mixes easily to a creamy, lump-free gauge
- High body for ease of application
- Excellent wet tack
- High strength
- Excellent adhesion to masonry, brick, and concrete walls

Recommended

- Knauf Sheetrock® EasyBond™ 90 is suitable for bonding plasterboard sheets to masonry, brick, or concrete walls.
- For walls over 3.6m high, refer to the Knauf Technical Manual for specific system requirements.
- Knauf Sheetrock® EasyBond™ 90 may be applied to either a wall or to the back of a sheet. (If gluing plasterboard to an Autoclaved Aerated Concrete (AAC) wall, then Knauf Sheetrock® EasyBond™ 90 should only be applied to the back of the sheet.)

Applications

- Surfaces must be clean and free from dust.
- May be applied with either hand or mechanical tools. Knauf recommends a minimum 6mm and 12mm adhesive scoop thickness using the Knauf EasyFinish™ Bond and Solid methods respectively. Apply good initial pressure to the plasterboard sheet during application.
- Surface dampening or use of a bonding agent may be required to ensure satisfactory bonding to dry or porous walls.
- Where the cavity between the wall surface and the back of the plasterboard sheet consistently exceeds 40mm, Knauf wall furring system (Knauf EasyFinish™ Frame method), utilising steel furring on steel battens fastened to the base wall, must be used.

NOTE: If any doubt exists concerning the suitability of the wall surface, contact your local Knauf supplier.

Mixing

- Always use clean cold water, tools, and containers.
- Do not mix with residues of previously used compounds.
- Use of dirty tools or containers may reduce working time and strength.
- Always add Knauf Sheetrock® EasyBond™ 90 to water (5kg of powder to 2.5kg of water.)
- Mix only enough Knauf Sheetrock® EasyBond™ 90 for a 60 to 80 minutes working time.
- Mix by hand or with a power mixer (max of 400rpm) until a smooth, workable paste has been achieved.
- Once setting has commenced, the material cannot be remixed and must be discarded.
- **Caution:** Do not overmix; overmixing can introduce air bubbles, which may create surface imperfections and reduce working time.

Storage

- Knauf Sheetrock® EasyBond™ 90 should be stored under a cover in a dry environment and protected from temperature extremes. Storage in an unsuitable environment can shorten the lifespan of the product.
- Knauf Sheetrock® EasyBond™ 90 has a shelf life of 6 months from the date of manufacture.

Product Information

Colour	White powder
Setting Time	Setting time of 90 minutes and working time of 60 minutes
Tensile Adhesion Strength* (Back of Plasterboard)	0.4N/mm ²
Compressive Strength*	11.6N/mm ²
Packaging	20kg/bag
Manufacture	Manufactured to stringent Knauf product quality specifications
Mixing Ratio (Powder to Water)	2:1
Coverage	2 – 4kg/m ² (Daubs at 400mm spacing) Bond – half bag per board 6 – 9kg/m ² (Solid application) Solid – one bag per board

*Tested according to EN13279-2:2014 (VIBM, 2017)

Limitations

- Knauf Wet Area Board in tiled areas must be mechanically fastened to furring channels or timber battens and never fixed using the direct adhesive method.
- For double brick walls, ensure the wall cavity is completely dry prior to installation of the plasterboard.
- On hot, windy days where the risk of early dry-out exists, surface dampening of the walls is strongly recommended.
- The inclusion of other materials to a mix will impair the performance (e.g. reduced strength and poor adhesion) and void the product warranty.
- Do not use Knauf Sheetrock® EasyBond™ 90 once setting has begun. Discard the adhesive.

Precautionary Statement

- Dust from this product contains silica. Prolonged inhalation may be harmful to health.
- Ensure adequate ventilation and wear eye protection and an approved disposable respirator which conforms to local standards.
- If dust or paste causes irritation, use impervious PVC, nitrile or rubber gloves. Wash exposed skin after handling. If product gets into the eyes, wash thoroughly with clean water.
- Do not ingest contents of package. If ingested, seek medical advice immediately.
- Keep contents out of reach of children.
- Be conscious of the environment. Dispose of empty packaging in a responsible manner.
- Follow safe lifting instructions on the product label.

KNAUF SHEETROCK® PLUS 3™



Knauf Sheetrock® Plus 3™ is a lightweight, premixed finishing compound designed for use as the final coat over plasterboard joints. A high-performance compound that conceals and levels well over fasteners, beads, and trims with minimal shrinkage.



Finishing
Coat



Hand &
Mechanical
Tools



Sandable

Advantages

Faster mixing time

When additional water is necessary, Knauf Sheetrock® Plus 3™ lightweight finishing joint compound mixes with less effort than conventional compounds and accepts water more quickly to reduce solution time.

Better slip, excellent bond

Features superior ease of handling, good crack resistance, and excellent adhesion.

Less spills and waste

Better consistency minimises compound spillage and reduces risk of staining woodwork.

Low shrinkage for finer finishing

Factory-controlled shrinkage results in finer finished work but without the extra labor normally required by conventional ready-mixed products.

Recommended

Final coat of plasterboard joints, angles, and fastener heads for Knauf Ensemble™ Seamless Acoustical Plasterboard Ceiling System when used in conjunction with Knauf's Jointing Compounds.

Preparation

Position and apply plasterboard in accordance with Knauf's recommendations. In cold weather and during plasterboard joint finishing, temperatures within the building should be maintained at a minimum of 13°C (55°F). Adequate ventilation should be provided to carry off excess moisture.

Mix contents lightly without adding water. Use directly from container for covering fasteners and corner beads. For taping and finishing joints (especially for use in mechanical tools), thin as necessary. Add water in 250ml increments to avoid overthinning. Remix lightly and test apply after each water addition.

Applications

Ensure basecoats (first and second coats) are set and dry.

- Scrape to remove any rough spots or lumps.
- Using a trowel or broad knife, apply a coat of finishing compound, feathering approximately 25mm beyond edges of the basecoat.
- Allow a minimum of 24 hours to dry (or longer in cold or wet weather conditions.)
- When dry, lightly sand to a smooth finish with sanding mesh or 180 grit sandpaper.

Decorating

For priming and decorating with paint, texture or wallcovering, follow manufacturer's directions for materials used. All surfaces must be dry, dust-free, and not glossy. Walls to be covered with wallpaper or vinyl wallcovering should be sealed per manufacturer's recommendations.

To improve concealment where walls and ceilings will be subjected to severe artificial or natural critical lighting, the plasterboard surface should be skimmed to achieve a Level 5 Finish.

Product Data

Material	Vinyl-type formulation
Types	Hand or mechanical application
Freezing Sensitivity	Protect from freezing
Packaging	Net 19kg re-sealable pail
Jointing Coverage	4.3m ² (1kg covers 2.3m ²)

Storage

Shelf life up to 9 months under good storage conditions.

- Knauf Sheetrock® Plus 3™ should be stored under cover in a dry environment and protected from temperature extremes.
- Check product date codes periodically. Rotate stock on first-in, first-out basis. Close container after each use. Keep tightly sealed.

Limitations

1. Protect container from freezing and exposure to extreme heat and direct sunlight.
2. The application of Knauf Sheetrock® Plus 3™ compound at interior temperatures less than 10°C is not recommended.
3. Under cold or wet weather conditions, allow more than 24 hours for thorough drying.
4. When diluting Knauf Sheetrock® Plus 3™, do not vigorously overmix as this can introduce air bubbles, which can result in surface imperfections.
5. Do not apply Knauf Sheetrock® Plus 3™ over joints that are not thoroughly dry. This may result in pinholes.
6. Do not use sandpaper lower than 180 grit and take care to avoid scratching when sanding. Inclusion of other materials to the mix will impair the performance (e.g. reduce strength and adhesion).

KNAUF STOPPING COMPOUND



Knauf Stopping Compound is formulated for general bedding of plasterboard joints, angles, and spotting fastener heads. Knauf Stopping Compound is a quick-and-easy-to-trowel setting type compound suitable for plasterboard interiors designed for rapid and smooth joint finishing.



1st Coat



2nd Coat



Finishing
Coat



Sandable

Product Features

- Smooth Finishing
- Quick Set
- Easy to Trowel
- Low Shrinkage
- Excellent Bonding

Directions - Jointing and Finishing

First Coat 150mm/300mm Wide

(Tapered Edge Joint/Square Edge Joint)

1. Using a broad knife, evenly fill the joint recess formed by the edges of the plasterboard with Knauf Stopping Compound.
2. Centre paper tape along the joint and press into the compound using the broad knife.
3. Draw the broad knife at a 45° angle along the joint with enough pressure to remove excess compound and any air bubbles caught beneath the tape. Leave enough compound under the tape to provide a strong bond.
4. Apply a thin layer of compound over the tape to prevent the tap edge from curling and cracking. Feather the compound from the edges outwards. Cover all fastener heads with spots of compound.

Second Coat 200mm/400mm Wide

(Tapered Edge Joint/Square Edge Joint)

5. When dry, apply a second coat using a plasterer's trowel approximately 50mm (tapered edge joint) or 100mm (square edge joint) wider than the first coat. Spot fastener heads again. Allow to dry.
6. When the second coat has dried, scrape or sand back any excess compound for a smooth and level surface.

Third Coat 250mm/500mm Wide

(Tapered Edge Joint/Square Edge Joint)

7. Apply a finishing coat of compound with a trowel approximately 50mm (tapered edge joint) or 100mm (square edge joint) wider than the previous coat.
8. When dry, using 180 to 220 grit sandpaper in a hand sander, sand lightly to a smooth finish, taking care not to scuff the surrounding plasterboard.
9. Thoroughly clean all tools and equipment after use.

NOTE: Sanding

- All types of plasterboard joints require light sanding before painting.

Mixing

- Always use clean cold water, clean containers, and tools.
- Using dirty containers/water/tools may affect setting time and set strength.
- For best results, slowly add powder to water and allow powder to soak 1–3 minutes before mixing.
- Mix only enough compound for 10 minutes working time.
- Mix by hand or with a power mixer (max. of 400rpm) – mixing at higher speeds will draw air into the mix and may affect working time. Mix until a smooth workable paste has been achieved.
- Once setting has commenced, the material cannot be remixed and should not be used further. The inclusion of other materials (e.g. retarders, fillers, etc.) in the mix will impair the performance of this product, i.e. reduced strength, poor adhesion, and will void the product warranty.

Storage

- Knauf Stopping Compound must be stored under cover in a dry environment and protected from temperature extremes.
- Storage in an unsuitable environment or once the bag has been opened can shorten the life of the product.

Product Information

Setting Time	Setting time of 15–20 minutes and working time of 10–15 minutes
Packaging	20kg/bag
Coverage	65m ² per 20kg bag (based on 3 coat application method)
Mixing Ratio	2 parts of compound to 1 part of clean water in kg
Shelf Life	Best before 12 months (from production date)

Precautionary Statement

- Avoid inhalation of dust and contact with skin and eyes. Minimise dust generation and accumulation.
- Ensure adequate ventilation, wear eye protection, and a NIOSH/MSHA-approved disposable respirator.
- IF IN EYES: Rinse eyes with plenty of water.
- IF ON SKIN: Wash exposed skin after handling.
- IF INHALED: Remove person to fresh air and keep in comfortable position for breathing. Seek medical attention if breathing problem persists.

6 Accessories

Knauf provides a comprehensive selection of accessories designed to enhance and complement all your internal wall and ceiling systems. From high-quality steel components to specialised finishing sections, Knauf accessories ensure optimal performance and seamless integration. Whether you need plasterboard screws, joint tapes, or insulation, Knauf has the perfect solution to meet your construction needs. Explore our full range of products to find the ideal accessories for your project.



KNAUF INSULATION



High Performance, Non-Combustible Acoustic Insulation



Reduces Energy Bills



Made with Recycled Glass



Sustainable



Non Combustible



Thermal Performance



Acoustic Performance



Soft Handling



Innovation and production made possible by the largest and most advanced glasswool manufacturing facility in Malaysia.



Plant size
40+ acres
(164,400 m²)



Employees
230+



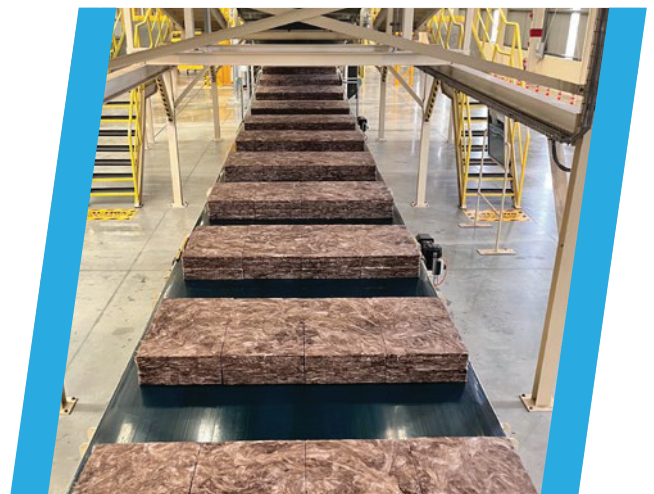
Production since
April 2021

Solutions Specific to Malaysia and Singapore

Recognising Malaysia and Singapore's unique climate and Insulation needs, Knauf Insulation is attuned to both countries' tropical environment and specific construction demands.

Our products are tailored to efficiently address the specific climatic conditions of Malaysia and Singapore, emphasising sustainability and lightweight solutions that surpass conventional insulation standards.

This comprehensive range ensures optimal thermal comfort and energy efficiency, meeting specific requirements across commercial, industrial, and residential sectors, for both new and existing buildings.



Knauf Insulation is part of the Knauf Group, a global market leader in the field of sustainable lightweight construction.



Knauf Group

€ 15.4 bn (2022)
turnover

+41,500
employees worldwide

300
plants & offices

+90
countries



Knauf Insulation

€ 2.5 bn (2022)
turnover

+6,000
employees worldwide

28
plants & offices

+40
countries

Global Expertise



EUCED Certified

All of our products are EUCED certified demonstrating that they are bio-soluble and safe to use.



EUROFINS Gold Certificate for Indoor Air Comfort

Our products have been awarded the Eurofins Gold Certificate for Indoor Air Comfort which is designed to demonstrate products with the best-in-class low levels of Volatile Organic Compound (VOC) emissions.

Declare.



Certified Declare Red List Free

The Declare label on our products demonstrates our commitment to transparency and is provided for products which declare 99.99% of their ingredients.

The Red List Free label confirms that no ingredients are added to our products which are on the Living Building Challenge (LBC) Red List of “worst in class” materials, chemicals and elements known to pose risks to human health.



Green Tag™ GreenRate - Level A Certified

Knauf Insulation glasswool products have been awarded GreenRate™ Level A certification, demonstrating they meet the toughest standards for health, eco performance and safety.



ILAC Mutual Recognition Arrangement

Knauf Insulation's laboratory in Malaysia is accredited under the ILAC Mutual Recognition Arrangement (ILAC MRA), demonstrating its technical competency in accordance with MS ISO/IEC 17025:2017, on thermal conductivity measurement.



This accreditation ensures the consistent delivery of technical valid test results and calibrations from the laboratory.

Product Certification and Achievements



To learn more about certification, visit knaufinsulation.com.my/certifications, knaufinsulation.com.sg/certifications

Advanced Technology



ECOSE® Technology

Up to 70% less upfront embodied carbon than traditional binders.



TwinTech® Technology

Advanced dual-forming provides a high quality smooth finish on both sides.



DriTherm® Technology

A water-repellent additive designed to resist moisture and enhance durability in damp and humid conditions.

FEATURES AND BENEFITS OF KNAUF INSULATION GLASSWOOL

FROM MANUFACTURE TO INSTALLATION, THERE IS INNOVATION AT EVERY STAGE.



World Leading Manufacturing

Produced in our **state-of-the-art manufacturing facility** to the highest standards of quality, certified by ISO 9001: Quality Management Standard.



Thermally Efficient

The **thermal properties** of Knauf Insulation glasswool products act as a barrier to the outside elements to limit heat loss in winter and heat gain in summer through your walls, ceiling and floor. Building stay at a comfortable temperature all year-round.



Cost Saving

By insulating a building properly, energy can be saved from the air-conditioning system when cooling a warm building. Knauf Insulation glasswool **saves energy and saves money**.



Compression Packed

Our industry leading **compression packaging technology** enables us to compress our insulation with a **10:1** ratio in terms of volume of space which can be insulated compared to the volume of the packaged product. This means less transport, less storage, and less handling.



Made Using Recycled Glass

Our insulation is made from **up to 80% recycled glass**. Our new generation furnace uses more grades of glass than traditional glasswool furnaces, taking more waste out of our environment.



Non-Combustible

Knauf Insulation glasswool is certified as **non-combustible** and will not contribute to fire spread.

Tested in accordance with:

- B.S. 476: Part 4 Non-combustibility, and BOMBA Class 'O'
- B.S. 476: Part 7 Surface spread of flame
- B.S. 476: Part 6 Fire propagation



Water Repellent

Engineered for longevity - Our **DriTherm® Technology** boasts **silicone treatment**, designed to resist moisture, particularly important in humid climates.



Low VOCs

Knauf Insulation glasswool is supported by Eurofins Indoor Air Comfort Gold as an 'outstanding material' according to low VOC (Volatile organic compounds) and Indoor Air Quality Emissions certification.



with **ECOSE®** TECHNOLOGY

ECOSE® Technology is a sustainable, bio-based binder with **no added formaldehyde**. The natural, earthy brown colour comes from no added dyes or colours.



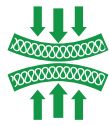
Sound Absorbing

Knauf Insulation glasswool products will improve the acoustic performance of the building in which they have been installed by absorbing the transfer of unwanted noise from external sources and between adjoining rooms, helping to create a peaceful and quiet buildings.



Easy To Handle

Our Insulation is **super-soft**, making it **easier to cut and install**. There's no odour, less dust and less itch than conventional glasswool insulation.



Rigidity

Offering higher rigidity, making it easier for installers to handle during installation. Manufactured with TwinTech® Technology, an innovative process which gives the insulation a smooth finish on both sides.



Knauf Insulation Partition Batt / Roll



Application

Knauf Insulation Partition Batt / Roll with ECOSE® Technology will absorb the transfer of unwanted sound from outside to inside the building. In addition to sound absorption, it will improve the thermal comfort and energy efficiency of the building in which it has been installed thus keeping it cool in summer and warm in winter.

Specifications

Partition Batt (Unfaced)

Material Code	R-Value * (m²K/W)	Thermal Conductivity * (W/mK)	Density (kg/m³)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Pieces per Pack
826559	1.41	0.0354	16	50	600	2700*	19.4	12
826548	1.45	0.0344	20	50	600	2700*	16.2	10
826570	1.41	0.0354	16	50	600	1200	17.3	24
826561	1.45	0.0344	20	50	600	1200	14.4	20
826574	1.50	0.0332	24	50	600	1200	12.2	17
845315	1.53	0.0326	32	50	600	1200	10.08	14
790571	1.59	0.0314	48	50	600	1200	7.9	11

All dimensions are nominal. / *Folded batt for quick and easy installation

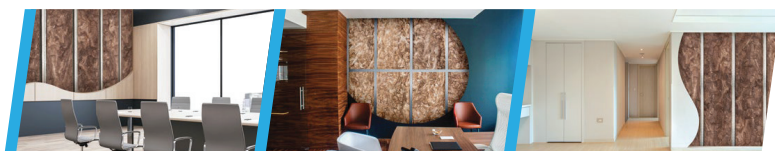
Partition Roll (Unfaced)

Material Code	R-Value * (m²K/W)	Thermal Conductivity * (W/mK)	Density (kg/m³)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Rolls per Pack
853942	1.41	0.0354	16	50	600	15000	18.0	2

All dimensions are nominal.

* In accordance with Clause 4.21 (b) of Malaysian standard MS1020 (Thermal insulation products for buildings - factory made mineral wool products), thermal resistance and thermal conductivity values shall be expressed with three significant figures.

Thermal conductivity 20°C λ Value (W/mK)



KNAUF PREFORMEDBOARD



Flexibility in Design and Practicality in Installation

Knauf PreformedBOARD is a routed plasterboard that provides flexibility in design to meet the individual and aesthetic requirements of today's designer. This unique off-site prefabrication ensures minimal or no framework and minimises on-site labour. The versatility of Knauf PreformedBOARD enhances finishings on ceiling perimeters and often incorporates architecture features, such as diffused lighting, curtain pelmets, etc.

Product Data

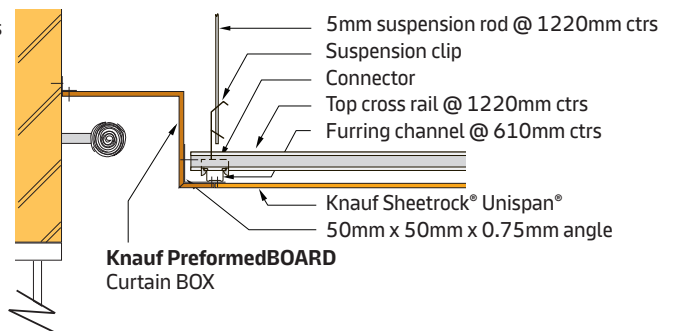
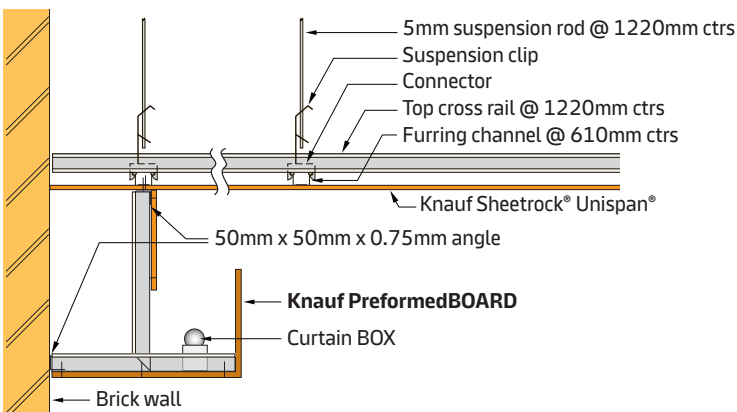
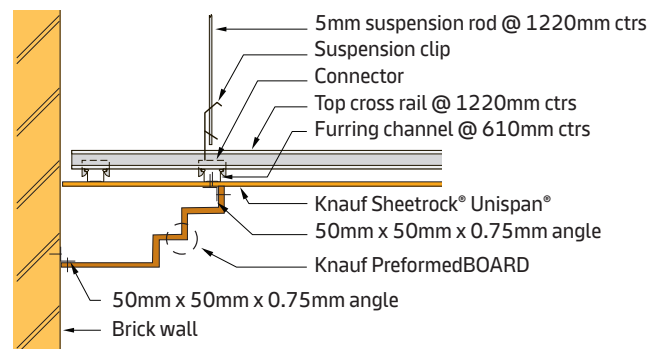
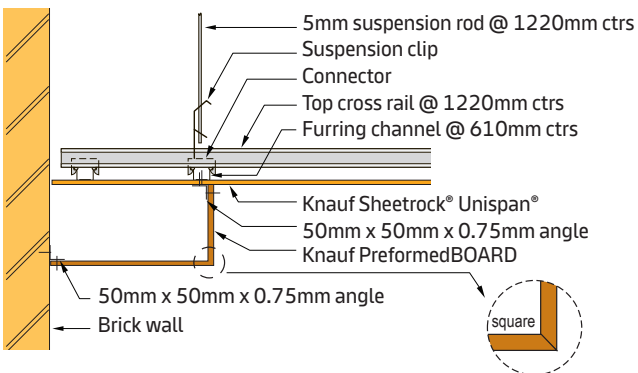
Thickness*	9.5mm, 12.5mm
Size*	50mm x 100mm 75mm x 125mm 100mm x 150mm 100mm x 300mm 150mm x 200mm 150mm x 300mm 150mm x 450mm
Edge Detail	Square L, Step L

*Please refer to Knauf representative for other board sizes.

**Also available with Moisture Resistant (MR) plasterboard.

Applications

Allows often hard-to-hide but common structural and M&E works; requirements of today's buildings to be easily concealed.



KNAUF SERVICEHATCH



Durable High Quality Access Panel

Knauf ServiceHATCH is a plasterboard-based access panel designed to suit the Knauf concealed ceiling system. Knauf ServiceHATCH uses aluminium trimmings around its perimeter access to ensure long-term durability from wear and tear.

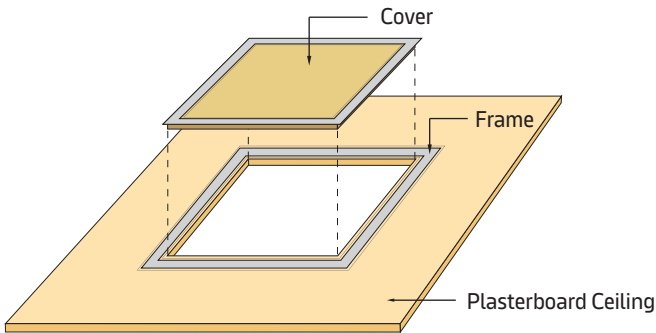
Product Data

Thickness*	8.0 , 9.5 , 12.5
Size*	300mm x 300mm 450mm x 450mm 600mm x 600mm
Echostop :	470mm x 470mm (Square Profile) 475mm x 475mm (Round Profile)

*Please refer to Knauf representative for other board sizes.
**Also available with Moisture Resistant (MR) plasterboard.

Applications

Knauf ServiceHATCH allows for easy above-the-ceiling maintenance work.

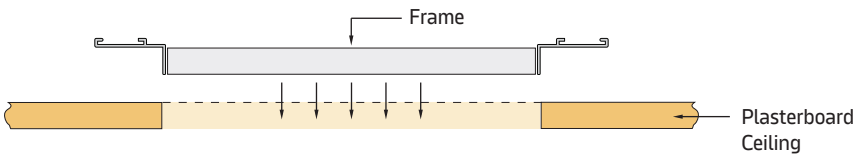


Knauf ServiceHATCH Installation Method

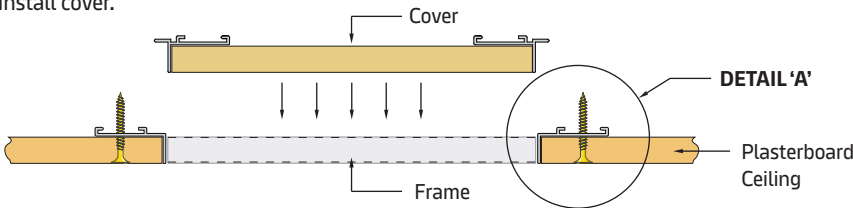
Step 1: Cut opening on ceiling to receive Knauf ServiceHATCH.



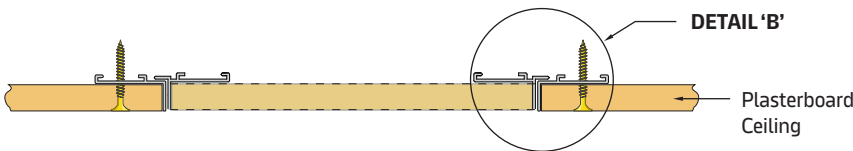
Step 2: Install frame and screw edge to plasterboard ceiling.



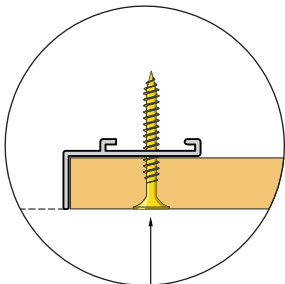
Step 3: Install cover.



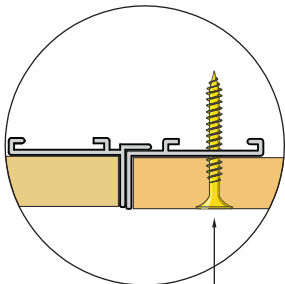
Step 4: Patch-up perimeter of Knauf ServiceHATCH with jointing compound.



DETAIL 'A'



DETAIL 'B'



KNAUF FIRECAULK SEALANT



Knauf Firecaulk Sealant is a water-based acrylic sealant that has been formulated to provide the right balance of hardness and flexibility for fire rated joint applications.

Designed for sealing indoor joints with fire retardant requirements between walls and ceilings as well as perimeter sealing of fire rated doors and windows, Knauf Firecaulk Sealant has excellent adhesive capabilities to most construction materials such as metal, concrete, plasterboard, bricks, painted wood, aluminium, etc.

Knauf Firecaulk Sealant has good STC acoustic properties when used in appropriate Knauf systems.

Product Benefits

- For fire rated systems
- Good flexibility with $\pm 25\%$ joint movement
- No mixing required
- Smooth finish
- Non-toxic
- Low odour
- Asbestos-free
- Contains no isocyanates
- Easily cleaned

Product Specifications

Base	Acrylic emulsion	
Physical State	Soft paste	
Working Time	< 10 minutes (at 25°C & 50% R.H.)	
Colour	White	
Packaging	10L pail, 450g cartridge	
Shelf Life	24 months	
Storage	Store in a dry and cool place with temperature below 30°C. (Do not store below 5°C)	
Application Temperature	5°C - 40°C	
Service Temperature	-10°C - 75°C	
Curing System	Water evaporation	
Density	1.46g/mL	
Solid Content	80%	
Maximum Tensile	0.5N/mm ²	ASTM D412
Elongation	100%	ASTM D412
Shore A Hardness	25	ASTM C661
Low VOC Compliance	Yes	SCAQMD Rule #1168
VOC Content	3.96g/L	USEPA Method 24
Linear Metre Coverage (Based on 9mm x 9mm Gap)	10L pails = 112 linear metre 308ml cartridge = 3.45 linear metre	

Applications

Indoor joints with fire retardant requirements (joints between walls and ceiling, perimeter sealing of fire rated doors and windows). It has good adhesion on most construction materials (concrete, bricks, painted wood, aluminium, etc.)

Preparation

- Substrate surface must be dry and clean; free of dirt, grease, oil, or water.
- For a neat finishing, use masking tapes and remove it within the working time.
- For sealant designs with depths of over 10mm, use approved backing materials.

Application Direction

1. Surfaces must be clean, dry and free of dirt, grease, oil, or water.
2. Surfaces should be cleaned with alcohol, M.E.K., or other suitable solvent. Do not use soap or detergent.
3. For a neat finish, apply masking tape and remove it before sealant skins over.
4. Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun.
5. Tool the sealant within 10 minutes of extrusion before it skins.
6. Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint.
7. Uncured sealant can be cleaned up with damp cloth.

Clean Up

- Wet sealants can be cleaned up with water.
- Cured sealants can only be removed mechanically.

Joint Design

- The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- Minimum bead size should not be less than 3mm to accommodate movement.
- Sealant design joint width-to-depth ratio should be 2:1.

Limitations

- Not recommended for continuous water emersion and not for PE, PP, Teflon, and bituminous surfaces.
- Painting over with highly filled emulsion paints can cause cracks in paint film.

Caution

Keep out of reach of children. Safety data sheet is available upon request. For further health and safety information, consult the latest safety data sheet.

Legal Notes

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.

KNAUF PAPER JOINT TAPE



Knauf Paper Joint Tape is used to provide reinforcement to plasterboard joints and angles. The Knauf Paper Joint Tape is a high strength special cross-fibre paper tape possessing exceptional wet strength and resisting stretching, wrinkling, and tearing.

Product Features

- A wafer-thin paper aids smooth finishing and the roughened surface produces a superior bond to jointing compounds.
- Centre creased for application to angles.
- Tape perforations to minimise air bubbles under the tape during the application.

Recommended

- As the two sides of paper tape are not identical, the outside of the roll should always be applied to the wet compound to ensure the best adhesion.
- Knauf Paper Joint Tape is ideal with both ready-mixed and setting type compounds as it reinforces the joint compound in compression, bending and shear, and will prevent visible cracking.

Storage

Knauf Paper Joint Tape should be stored under a cover in a dry environment and protected from extreme temperature.

Product Information

Packaging	150m x 50mm wide rolls
Coverage	Approx. 370 ft. per 1,000 sq. ft. (112m/93m ²) plasterboards

Limitations

In cold weather, and during plasterboards application and joint finishing, temperatures within the building should be maintained at a minimum of 55°F (13°C) with adequate ventilation to carry off excess moisture after completing the joint finishing with paper tape.

Applications - Jointing and Finishing

First Coat 150mm/300mm Wide

(Tapered Edge Joint/Square Edge Joint)

- Fill any gaps in joints with Knauf compound prior to the joint treatment process.
- Fill joint with a layer of Knauf jointing compound using a flexible broad knife.
- Centre and press the paper tape into the compound using a broad knife, drawing along the joint with sufficient pressure to remove excess compound.
- Ensure all air bubbles have been expelled, taking care sufficient compound is left under the tape to provide a strong bond.
- After embedding tape, apply a skim coat of compound to fill the recess.

Second Coat 200mm/400mm Wide

(Tapered Edge Joint/Square Edge Joint)

- Allow sufficient time for the first coat of compound to set.
- Apply a second coat of Knauf jointing compound approximately 200mm (tapered edge joint) or 400mm (square edge joint) wide, using a trowel or broad knife beyond the first coat.
- Feather joint edges.

Finishing Coat

- Allow it to dry before scraping the joint to remove any minor surface imperfections.
- Apply a third coat of finishing compound approximately 250mm (tapered edge joint) or 500mm (square edge joint) wide, using a trowel or broad knife beyond second coat.
- Finish fastener heads, corner beads, and inside corners as required with at least three coats of joint compound, feathered out onto plasterboard faces and sanded as required to a smooth surface.
- Allow a minimum of 24 hours to dry (longer in cold, wet weather conditions).
- When dry, lightly sand to a smooth finish with sanding mesh or 150 - 220 grit paper, depending on sanding hardness of finishing compound used.

KNAUF PLASTERBOARD SCREWS



Yellow Zinc Plated Screws for a Professional Finish

Knauf has a complete range of plasterboard fasteners to be used in the application of our systems, including a full range of plasterboard screws that are all yellow zinc coated to prevent the screws from rusting, which is a common problem with uncoated screws.

Our screws include needle point (type 'S'), drill point (type 'D'), and laminating screws (type 'L') which have been tested to international standards for anti-rust, corrosion, pull out strength, and screw ability.

Knauf Plasterboard Screws



Needle Point Screw (Type 'S')

'S' Type screws are recommended for fixing single or multi-layer plasterboard and light gauge metal framing up to 0.75mm.



Drill Point Screw (Type 'D')

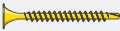
'D' type screws are recommended for fixing single and multi-layer plasterboard to heavy gauge metal framing or stud from 0.80mm up to 2.00mm.



Laminating Screw (Type 'L')

'L' type screws are recommended for laminating plasterboard to plasterboard in multi-layer systems.

Product Data

	1 st LAYER (board to metal)	2 nd LAYER (board to metal)	3 rd LAYER (board to metal)	4 th LAYER (board to board)
(BMT) 0.50mm to 0.75mm	 Needle Point Type 'S' 6 - 18 x 25mm 6 - 18 x 30mm	 Needle Point Type 'S' 6 - 18 x 45mm	 Needle Point Type 'S' 6 - 18 x 60mm	 Laminating Screw Type 'L' 10 - 8 x 50mm
	1 st LAYER (board to metal)	2 nd LAYER (board to metal)	3 rd LAYER (board to metal)	4 th LAYER (board to board)
(BMT) 0.80mm to 2.00mm	 Drill Point Type 'D' 6 - 18 x 25mm 6 - 18 x 30mm	 Drill Point Type 'D' 6 - 18 x 45mm	 Drill Point Type 'D' 6 - 18 x 60mm	 Laminating Screw Type 'L' 10 - 8 x 50mm

*Screw identification is given as: {min. gauge) - {threads/inch ±1) x {min. length)

Knauf Sdn. Bhd.

Lot 606, Jalan Lagoon Selatan, 47500
Subang Jaya, Selangor, Malaysia

T (03) 7662 1325 / (03) 5629 2000

E contactusmy@knauf.com

www.knauf.com/en-MY/knauf-gypsum