



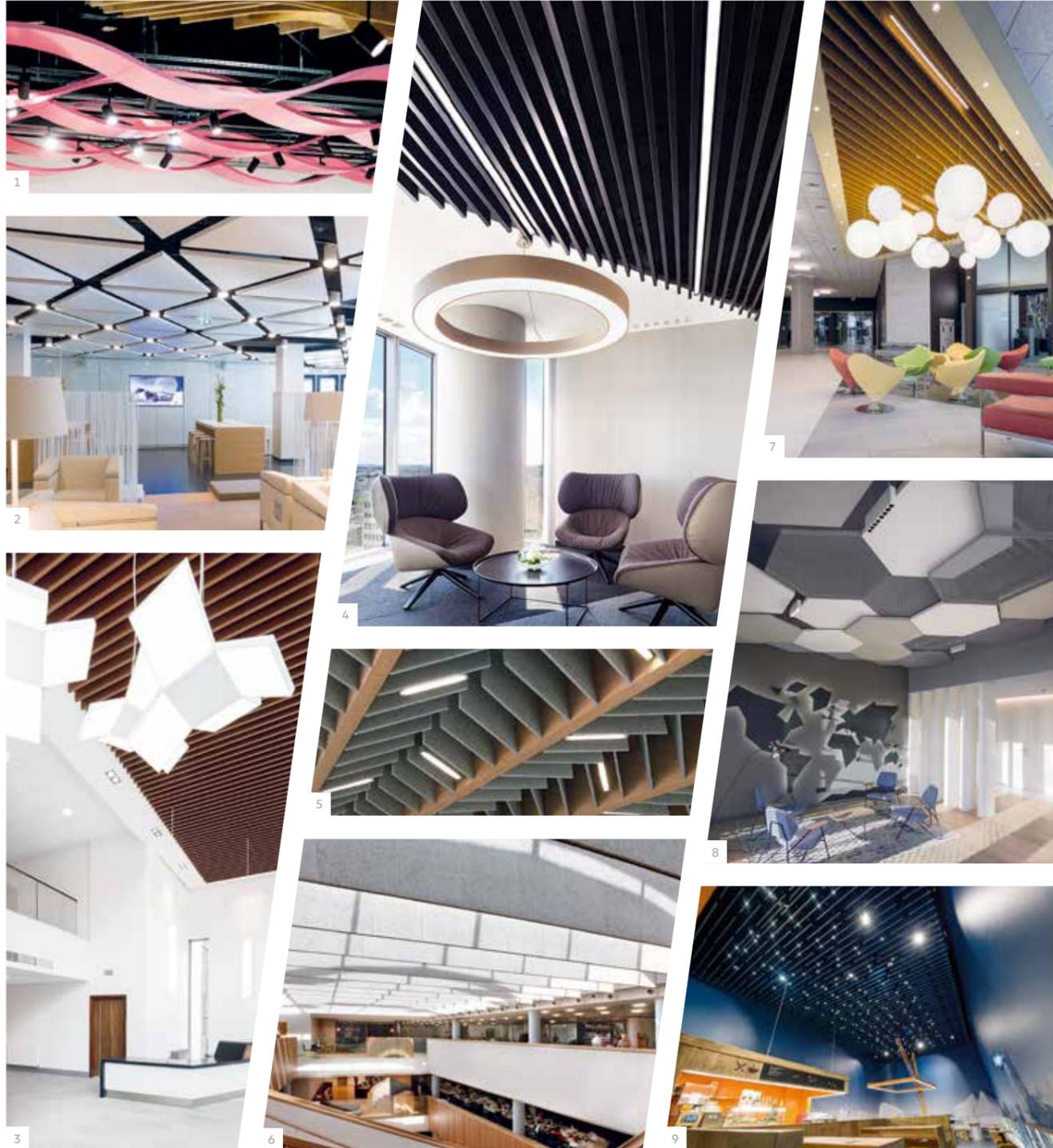
# ***KNAUF***

## ***PRODUCT SELECTOR MIDDLE EAST 2025***

PRODUCT BROCHURE

***Build on us.***

# Multi-Material System Solutions

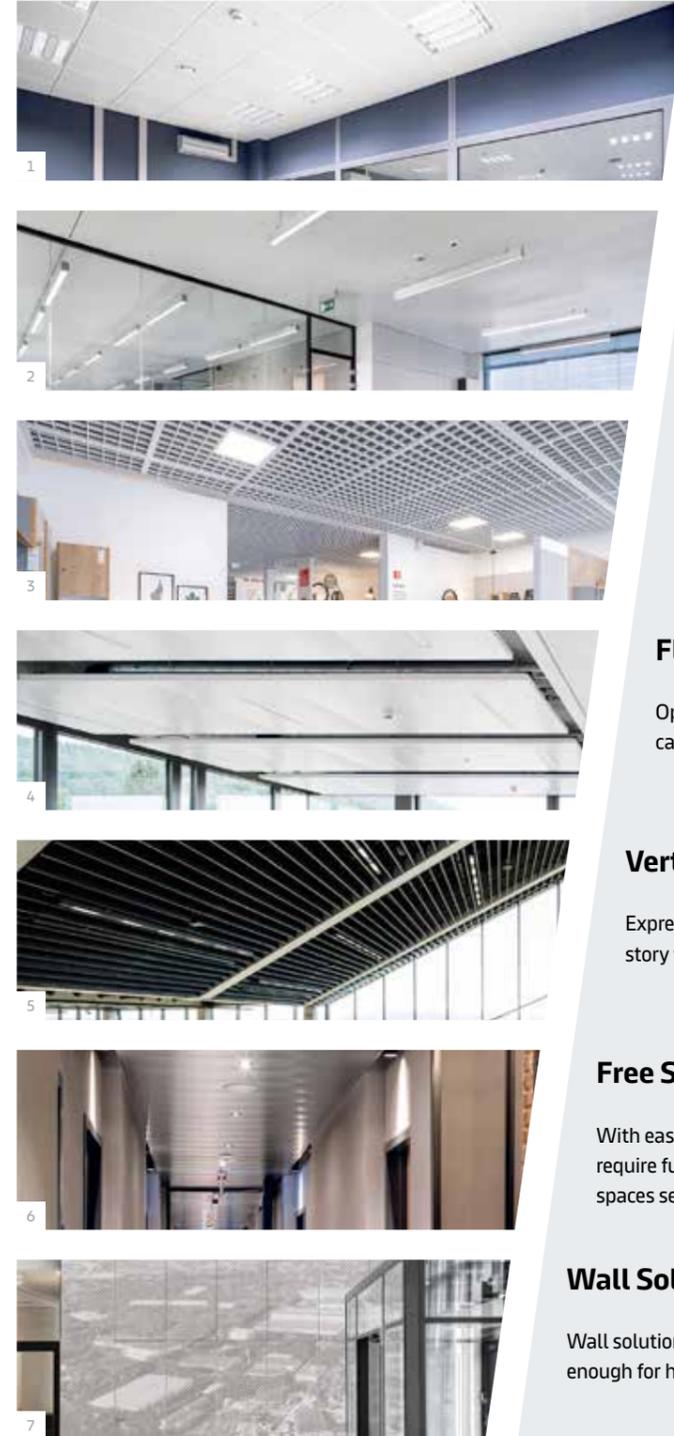


- 1 METAL R-H 200 curved panels (Univerexport, Novi Sad, Serbia, © Marko Cvetkovic Cvele)
- 2 METAL Sky Element Hook, triangular shaped, Rg 0701, RAL 9010 (Austria Centre Vienna, Austria, © Ludwig Schedl)
- 3 METAL Baffle Element, American Walnut wood effect (Blake House, Uxbridge, United Kingdom, © Philip Durrant)

- 4 METAL Baffle Element (E&Y, Warsaw, Poland, © Szymon Polański)
- 5 HERADESIGN® Baffle Element Superfine (Lublin University, Poland)
- 6 HERADESIGN® Baffle Element Superfine (Bartle Hegarty Headquarters, London, United Kingdom)

- 7 HERADESIGN® Baffle Element (Astarta Business Centre, Kiev, Ukraine, © Sergiy Kadulin Photography)
- 8 MESH Sonic Element, hexagonal shaped, RB35, NCS S2020-R80B (Zagreb Airport Ltd. General Aviation Terminal, Croatia, © Miljenko Hegedić)
- 9 METAL Baffle Element, RAL 5001 & RAL 5009 (Klimahaus®, Bremerhaven, Germany, © Bettina Meckel - Fotodesign)

# Shapes & Systems



- 1 METAL Tegular 8, Rd 1522, RAL 9010 (Centre for Medical Simulation, Medical University of Lublin, Poland, © Szymon Polański)
- 2 METAL R-Clip (Trumpf, Warsaw, Poland, © Szymon Polański)
- 3 METAL Cellio C49, RAL 9010 (VOX Furniture Shop, Kotobrzeg, Poland, © Szymon Polański)

- 4 METAL Sky Element Hook, Rd 1511, RAL 9016 (Rorschacherstrasse Training Centre Hospital, St. Gallen, Switzerland, © Foto Lautenschlager)
- 5 METAL Baffle Element, Rd 2535, RAL 7016 (Finstral AG, Friedberg-Derching, Germany, © David Güntsch)
- 6 METAL F-L 601, Rg 0701, RAL 7016 (MOXY Hotel, Warsaw, Poland, © Szymon Polański)
- 7 METAL Wallcoustic Horizon 1000, custom laser perforations, RAL 9010 © German Lepekhin)

## Ceiling Exposed Grid

Exposed ceiling systems provide a modular aesthetic and are available in a variety of edge details.

## Ceiling Concealed Grid

Concealed ceiling solutions create a continuous, monolithic look by concealing all of the grid system.

## Open Cell

Open cell metal tiles mask the plenum and provide 100% accessibility to lighting, ventilation and sprinklers with an homogeneous appearance.

## Floating Ceiling Canopies

Open up an almost endless range of dramatic design possibilities with canopies that can be suspended from any soffit.

## Vertical Baffles

Express a new narrative with vertical baffles and create a look to visually tell a story with a solution that will spark your imagination.

## Free Span Corridor Solutions

With easy installation and access to services, wall-to-wall corridor solutions require functionality to handle high traffic and design flexibility to connect key spaces seamlessly.

## Wall Solutions

Wall solutions come in a variety of designs to provide a stunning visual durable enough for high-impact or high traffic areas.

# Acoustics

Meet all expectations of acoustical comfort with Knauf Ceiling Solutions.

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

## Balanced Acoustics

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

## High Attenuation

Our range offers excellent sound attenuation and good sound absorption that enhances privacy and confidentiality.  
CAC: 25dB - 47dB

## High Absorption

Products with high absorption levels are recommended when concentration is needed. They dramatically improve the acoustic comfort in open spaces, call centres, etc.  
NRC: up to 1.00

## Technical Performance Definitions

### SOUND ABSORPTION

A single-number rating for random incidence sound absorption coefficients as calculated by reference to EN ISO 11654 (a<sub>w</sub>) or to ASTM C 423 (NRC).

### SOUND ABSORPTION CLASS

A classification for sound absorption (A – E) based upon the sound absorption a<sub>w</sub> value.

### SOUND REDUCTION

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

### SOUND ATTENUATION

A single-number rating for flanking sound transmission between adjacent rooms, as calculated by reference to EN ISO 717-1 (D<sub>n,w</sub>) and/or ASTM E413-10 (CAC).

### NOISE REDUCTION COEFFICIENT, NRC

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

### WEIGHTED SOUND REDUCTION INDEX, R<sub>w</sub>

A single-number rating of the laboratory measurement of (vertical) airborne sound reduction of a suspended ceiling.



THER MATEX® Acoustic+ Board  
(Sint Clara College, Arendonk, Belgium, © Michael van Oosten)

# Fire Reaction/Resistance

## Structural Fire Protection

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

Up to 120 minutes as per BS 476

## Independent Fire Resistance

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

Fire resistant certificates are available on request.

## Building Regulations

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

Class A as per ASTM E 1264  
For more information, please contact us.

## Technical Performance Definitions

### FIRE REACTION

Reaction to fire classification in accordance with EN 13501-1 expressed as Euroclass (A1 – F). Additionally in accordance with 123-FZ, expressed as KMO – KM2.

### 'CLASS A' FIRE CLASSIFICATION

Reaction to fire classification in accordance with ASTM E84, expressed as Class A.



HERADESIGN® Superfine Plus  
(Primary School, Lublin Poland, © Szymon Polański)

# Quiet Promotes Healing & Concentration

Hospitals and clinics are not per se quiet places. Activities from early morning until late into the evening create a constant sound level which can become excessive noise.

However, patients require a lot of peace to heal quickly. Medical staff are also dependent on a quiet workplace to concentrate and work efficiently. Here, sound absorption plays an essential role during the acoustic design and planning stage to create comfortable spaces.

- Achieve low or very low VOC and formaldehyde emission levels.
- Have all been classified E1 for formaldehyde (best test result possible).
- For a large majority, achieve A+ (the best performance level under the stringent French VOC labelling system).
- Have a large range anti-microbial solutions tested against NF S 90-351:2013 focussed on the control of airborne contamination in healthcare premises.

## In Certain Indoor Spaces Such as Laboratories

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

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



Armstrong PERLA OP 0.95 (IBM Client Innovation Centre, Brno, Czech Republic, © U1)



HERADESIGN® Superfine Plus  
(Primary School, Lublin Poland, © Szymon Polański)

# Visual Comfort & Sustainability

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

Specifying high light reflectance ceilings contribute to LEED®, BREEAM, HQE, DGNB and Well Building Standard credits. A well-design ceiling with high light reflectance:

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

High light reflectance ceilings return up to 88% of the light back into the space.

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

## Technical Performance Definitions

### INDOOR AIR QUALITY

The Eurofins Indoor Air Comfort (Gold) certification ensures that all product related health criteria on product emissions are sufficiently fulfilled.

### AIR PERMEABILITY

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

### RECYCLED CONTENT

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

### VOLATILE ORGANIC COMPOUNDS, VOC

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

### FORMALDEHYDE, E1

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

### ISO CLEAN ROOM

From ISO 5 to ISO 1 Clean Room performance (tested against ISO 14644-1) our mineral solutions for hygiene and healthcare environments are available with fully painted edges to provide the best guarantee for a clean room environment.

## Technical Performance Definitions

### LIGHT REFLECTANCE

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

### HUMIDITY RESISTANCE

Maximum relative humidity conditions for installation and lifetime of ceiling.

### BLUE ANGEL

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

### CRADLE TO CRADLE CERTIFIED®

Products with this icon are Cradle to Cradle Certified®, providing a transparent mechanism to compare the sustainability performance of products, showing that they are designed for recycling and can help protect and sustain our environment.

### M1 CLASSIFICATION

The Finnish emission label for building products is one of the leading test labels in the Scandinavian region. M1 is the best category and stands for "low emission".

### ENVIRONMENTAL PRODUCT DECLARATION

Are independently verified and registered documents that communicate transparent and comparable information about the lifecycle environmental impact of products.

# MINERAL & Soft Fibre Ranges

Product	Acoustics									Fire Reaction	Light Reflectance	Humidity Resistance
	a <sub>w</sub>	Class	NRC	Frequency f (Hz)								
				125	250	500	1000	2000	4000			
<b>Mineral Baffles</b>												
MINERAL Baffle Element	0.50(MH)	D	0.65	0.15	0.25	0.45	0.90	0.90	0.95	A2-s1,d0	-	90%
MINERAL Baffle Element Arc	0.50(MH)	D	0.65	0.15	0.25	0.45	0.90	0.90	0.95	A2-s1,d0	-	90%
MINERAL Baffle Line L/N	0.60(MH)	C	0.65	0.35	0.40	0.55	0.90	0.90	0.90	A2-s1,d0	88%	90%
<b>Mineral Canopies</b>												
MINERAL Sonic Element	-	-	-	0.40 - 0.80	1.00 - 2.70	1.70 - 4.20	1.80 - 4.40	2.00 - 4.50	1.90 - 4.30	A2-s1,d0	≤ 88%	90%
MINERAL Sonic Line	-	-	-	0.40 - 0.90	1.10 - 1.90	1.60 - 3.00	2.00 - 3.40	2.10 - 3.80	2.00 - 3.70	A2-s1,d0	≤ 88%	90%
MINERAL Sonic Line Arc	-	-	-	0.40	1.60	2.40	2.70	3.20	3.40	A2-s1,d0	≤ 88%	90%
<b>Mineral Wall Absorbers</b>												
MINERAL Wallcoustic Element	-	-	-	0.40 - 0.50	1.20 - 1.70	1.90 - 2.70	1.90 - 2.00	1.90 - 2.80	1.80 - 2.60	A2-s1,d0	≤ 88%	90%
MINERAL Wallcoustic Line	-	-	-	0.20 - 1.10	0.60 - 2.20	1.00 - 3.10	0.90 - 3.10	0.80 - 3.00	0.90 - 3.10	A2-s1,d0	≤ 88%	90%
<b>Fabric Wall Absorbers</b>												
FABRIC Wallcoustic Line 20/27/50	-	-	-	0.30	0.90	1.90	1.90	1.80	1.60	-	-	90%



Product	Thickness	Edge Details										Acoustics				Fire Reaction		Light Reflectance	Air Permeability	Humidity Resistance	Clean Room										
		Board	Regular 24	Regular 15	Regular 24/90	Regular 15/90	Vector	K2C2	K4C4	SL2	SL2/Regular 15/19	Finesse	a <sub>w</sub>	NRC	D <sub>n,f,w</sub>	CAC	Euroclass					ASTM									
																							Board	Regular 24	Regular 15	Regular 24/90	Regular 15/90	Vector	K2C2	K4C4	SL2
<b>Mineral Fibre Ceiling Panels</b>																															
Smooth White Acoustic	ADAGIO Acoustic*	19 - 24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.65(H)	0.70	38-39 dB	39 dB	A2-s1,d0	*	88%	PM1	95%	ISO 4	
	ADAGIO Alpha*	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.00	0.95	25 dB	26 dB	A2-s1,d0	*	88%	PM3	95%	ISO 4
	ADAGIO dB*	24 - 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.65(H)	0.70	41-43 dB	43	A2-s1,d0	*	88%	PM1	95%	ISO 4
	ADAGIO HD* 19mm	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.90	0.90	34 dB	35 dB	A2-s1,d0	*	88%	PM2	95%	ISO 4
	ADAGIO HD* 30mm	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.90	0.90	41 dB	42 dB	A2-s1,d0	*	88%	PM1	95%	ISO 4
	ADAGIO HD* 35mm	35	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.90	0.90	43 dB	44 dB	A2-s1,d0	*	88%	PM1	95%	ISO 4
	AMF THERMATEX* Alpha	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.95	0.90	28 dB	29 dB	A2-s1,d0	Class A	88%	PM1	95%	ISO 4
	AMF THERMATEX* Alpha One	24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.00	1.00	29 dB	-	A2-s1,d0	Class A	88%	PM1	95%	ISO 4
	AMF THERMATEX* Acoustic	19 - 24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.65(H)	0.70	38-40 dB	39 dB	A2-s1,d0	Class A	88%	PM1	95%	ISO 4
	AMF THERMATEX* Aquatec	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.90	0.90	29 dB	29 dB	A2-s1,d0	Class A	88%	PM1	100%	ISO 3
	Armstrong PERLA	17	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.65(H)	0.70	36 dB	37 dB	A2-s1,d0	*	88%	PM1	95%	ISO 5
	Armstrong PERLA dB	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.60(H)	0.65	41 dB	42 dB	A2-s1,d0	*	88%	PM1	95%	ISO 5
	Armstrong PERLA OP 0.95	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.95	0.90	25 dB	25 dB	A2-s1,d0	Class A	88%	-	95%	ISO 5
	Armstrong PERLA OP 19mm	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.90	0.85	34 dB	35 dB	A2-s1,d0	*	85%	PM1	95%	ISO 5
	Armstrong PERLA OP 1.00	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.00	0.95	25 dB	25 dB	A2-s1,d0	*	85%	-	95%	ISO 4
Health-Care & Hygiene	HYGENA Plain	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.20(L)	0.20	34 dB	36 dB	A2-s1,d0	Class A	87%	PM1	95%	ISO 4	
	HYGENA Acoustic 15mm	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.80(H)	0.85	28 dB	29 dB	A2-s1,d0	Class A	87%	-	95%	ISO 4	
	HYGENA Alpha	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.95	0.90	28 dB	29 dB	A2-s1,d0	Class A	87%	PM1	95%	ISO 4	
	HYGENA Aquatec	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.90	0.90	29 dB	29 dB	A2-s1,d0	Class A	88%	PM1	100%	ISO 3	
	MEDIGUARD Plain	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.20(L)	0.20	35 dB	35 dB	A2-s1,d0	Class A	88%	PM1	95%	ISO 4
	MEDIGUARD Acoustic	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.65(H)	0.70	38 dB	39 dB	A2-s1,d0	Class A	88%	PM1	95%	ISO 4
	MEDIGUARD Alpha	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.95	0.95	25 dB	39 dB	A2-s1,d0	Class A	88%	-	95%	ISO 3
Classic Sanded	Armstrong DUNE Supreme	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.55	0.50	34 dB	35 dB	A2-s1,d0	Class A	85%	-	95-99%	-	
	Armstrong DUNE Max	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.70	0.70	38 dB	38 dB	A2-s1,d0	Class A	85%	-	90%	-	
	AMF THERMATEX* Feinstratos	15-19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.20	0.15	34-35 dB	38 dB	A2-s1,d0	*	85%	-	95%	-	
	AMF THERMATEX* Feinstratos Micro	15-19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.60	0.60	34-38 dB	35-38 dB	A2-s1,d0	Class A	85%	-	95%	-	
Classic Fissured/Perforated	STAR 15mm	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.60	0.60	34 dB	35 dB	A2-s1,d0	Class A	88%	-	95%	-	
	STAR 19mm	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.60	0.55	38 dB	38 dB	A2-s1,d0	Class A	88%	-	95%	-	
	AMF THERMATEX* Mercure	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.60	0.60	32 dB	32 dB	A2-s1,d0	Class A	85%	-	95%	-	
	Armstrong FINE FISSURED	15-19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.60(H)	0.60	32-38 dB	33-38 dB	A2-s1,d0	*	85%	-	95%	-	
	AMF THERMATEX* Feinfresko	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.60(H)	0.60	32 dB	32 dB	A2-s1,d0	*	83%	PM1	95%	-	
DESIGN	AMF THERMATEX* Alpha Colour	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.95-1.00	0.90	28 dB	29 dB	A2-s1,d0	*	-	PM1	95%	-	
	VARIOLINE Alpha	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.95	0.90	28 dB	29 dB	A2-s1,d0	*	-	-	95%	-	
	VARIOLINE Acoustic	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.65(H)	0.70	40 dB	40 dB	A2-s1,d0	*	-	-	95%	-	
<b>Mineral Wool Ceiling Panels</b>																															
Smooth White Acoustic	Armstrong OPTIMA	15-40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	0.90-0.95	-	-	-	Class A	88%	-	95%	-	
	TOPIQ® Alpha 15	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0.95	0.90	24 dB	25 dB	A1	Class A	86%	-	100%	ISO 5	
	TOPIQ® Alpha 20	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.00	0.95	27 dB	28 dB	A1	Class A	86%	-	100%	ISO 4	

\* Not tested against ASTM E84

# MEDIGUARD & HYGENA

## Healthcare & Hygiene Range

Our range of acoustic ceilings shares good light reflectance, sound attenuation, and hygiene properties and meets the demanding requirements of the healthcare sector. All our products are cleanable and have a specific coating that limits the growth of bacteria.

Hygiene criteria and cleanability requirements are unique to each establishment. With its new range, Knauf Ceiling Solutions is the partner of choice to provide an updated answer to any hygiene requirements, from the essential ones to the most advanced ones.

Ceilings in healthcare premises are chosen primarily on their performance and aesthetics. We provide with anti-microbial, acoustic, and cleaning properties with the Knauf Ceiling Solutions healthcare range. We have a solution for every requirement, from reception areas and offices to treatment rooms and operating theatres.

Being a leader in sustainability and safety means complying with the strictest standards and certifications domestically and globally. Our MEDIGUARD and HYGENA products meet the highest standards within LEED® (US), BREEAM (UK), and DGNB (Germany), achieving A+ under the French VOC regulation.

### MEDIGUARD

MEDIGUARD is designed for places where superior hygiene requirements and intensive cleaning is required. Thanks to its specific coating, MEDIGUARD prevents the growth of at least 8 bacteria and fungi\*. MEDIGUARD is the solution for the most demanding spaces thanks to its inherent qualities:

- Scratch resistance
- Water repellency
- Resistance to disinfectants
- Steam cleaning resistance

### HYGENA

HYGENA provides standing-out acoustic and light reflectance properties. Alongside great indoor air quality results, the range achieves CP5 particle decontamination rating. Thanks to its specific coating, HYGENA limits the growth of bacteria\*\*, making it a strong choice for hygiene and healthcare applications.

### MEDIGUARD Alpha

MEDIGUARD Alpha has a superior anti-microbial resistance. Suitable for healthcare applications demanding Class A sound absorption and rigorous cleaning methods, it is scrubbable, can be cleaned with steam and is both scratch resistant and water repellent.

### MEDIGUARD Acoustic

MEDIGUARD Acoustic combines excellent cleanability with good levels of sound absorption. Its superior anti-microbial performance and disinfectants resistance, as well as scratch resistance and water repellency make it an ideal solution for healthcare applications.

### MEDIGUARD Plain

MEDIGUARD Plain combines good cleanability alongside superior anti-microbial resistance, making it an ideal solution for healthcare environments.

### HYGENA Alpha

HYGENA Alpha offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption. The surface is washable and anti-microbial.

### HYGENA Acoustic 15mm

The laminated finish of HYGENA Acoustic creates a smooth, white appearance. It provides good levels of sound absorption and excellent sound attenuation. The surface is washable and anti-microbial.

### HYGENA Plain

HYGENA Plain offers a white, smooth surface that creates an elegant ceiling appearance and provides excellent light reflection. The surface is washable and anti-microbial.

### HYGENA Aquatec

HYGENA Aquatec is the ideal solution for high-humidity areas of up to 100% RH. It offers excellent sound absorption, and is washable, which makes it the perfect solution for hygiene and healthcare environments. The surface is washable and anti-microbial.

### METAL Solutions BioGuard

METAL Solutions with BioGuard treatment are durable and water-resistant. Their anti-microbial properties make them the ideal solution for very high risk healthcare environments.

#### MEDIGUARD\*

Tested against:

- Escherichia coli
- Staphylococcus aureus
- Bacillus cereus
- Streptococcus pneumoniae
- Acinobacter baumannii
- Klebsiella pneumoniae
- Candida albicans
- Aspergillus brasiliensis

#### HYGENA\*\*

Tested against:

- Escherichia coli
- Staphylococcus aureus
- Candida albicans
- Aspergillus Niger (except HYGENA Aquatec)

# TOPIQ® Alpha 15

TOPIQ® Alpha 15 is a lightweight and easy-to-install mineral acoustic ceiling tile made of stone wool with a smooth laminated surface appearance.

## Benefits

- Excellent sound absorption class A
- Fire reaction Euroclass A1
- Humidity resistance 100%
- High light reflectance 86%
- Ideal choice for office and education environments, as well as large open spaces.



Sound absorption		NRC = <b>0.90</b>	Indoor air quality		 A+  EN 13964  IACG
Sound attenuation		CAC = <b>25 dB</b> as per ASTM E 413-10	Sustainability		 10.1% (2024)  M1  BLUE ANGE
Clean room		Class <b>ISO 5</b> as per EN ISO 14644-1			



# TOPIQ® Alpha 20

TOPIQ® Alpha 20 is a lightweight and easy-to-install mineral acoustic ceiling tile made of stone wool with a smooth laminated surface appearance.

## Benefits

- Excellent sound absorption class A
- Fire reaction Euroclass A1
- Humidity resistance 100%
- High light reflectance 86%
- Ideal choice for office and education environments, as well as large open spaces.



Sound absorption		NRC = <b>0.95</b>	Indoor air quality		 A+  EN 13964  IACG
Sound attenuation		CAC = <b>28 dB</b> as per ASTM E 413-10	Sustainability		 10.1% (2024)  M1  BLUE ANGE
Clean room		Class <b>ISO 4</b> as per EN ISO 14644-1			

# ADAGIO Range



**ADAGIO is the product of world-leading experience in ceiling design.**

Of cutting-edge thinking in everything from light reflectance to acoustics, sustainability to design flexibility. It's a premium system built on the highest standards for better design, better installation and better spaces.

That's why ADAGIO, with its 88% light reflectance, can take your ceiling to the next level. You'll be inspired by how much more you can achieve with Knauf Ceiling Solutions.

## ADAGIO Acoustic+

An all-round acoustic solution balancing sound absorption and noise control.  
0.65(H)  $\alpha_w$   
up to 39 dB

## ADAGIO Alpha+

Excellent sound absorption for comfort, clarity and concentration in open-plan spaces.  
1.00  $\alpha_w$   
25 dB

## ADAGIO dB+

Provides high levels of sound attenuation performance for improving the privacy between adjacent spaces.  
0.65(H)  $\alpha_w$   
41 to 43 dB

## ADAGIO HD+

Powerful noise control for smaller spaces – keeping conversations confidential.  
19mm (0.90  $\alpha_w$  / 34 dB)  
30mm (0.90  $\alpha_w$  / 41 dB)  
35mm (0.90  $\alpha_w$  / 43 dB)



# ELEGANZA Seamless Acoustics



## Acoustics & Design without Compromise

ELEGANZA Seamless Acoustics delivers a revolutionary system with a flawless, finely textured finish that's both elegant and durable.

Experience top-tier sound absorption with a seamless design that offers the best of both worlds: exceptional acoustics and stunning aesthetics.

## Acoustic Performances

■ **Sound absorption:**  
 $\alpha_w = 0.95$  / NRC = 0.95

■ **Sound Attenuation:**  
 $D_{n,t,w} = 33$  dB / CAC = 33 dB

## Benefits

- 100% seamless: No visible joints for a durable, monolithic finish.
- Class A sound absorption: Outstanding acoustic comfort.
- Enhanced endurance: Sophisticated back-foil technology prevents surface pollution (no filter effect).
- Full-system solution: Single-layer system from one supplier ensures reliability.
- Easy installation: Large panels with few joints make for quick setup.
- Complete compatibility: Works with standard accessories.

## Application Areas

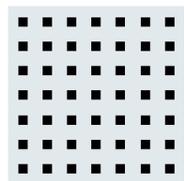
- Retail
- Leisure & Hospitality
- Office
- Healthcare
- Education
- Residential



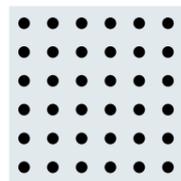
# Acoustic Gypsum Solutions



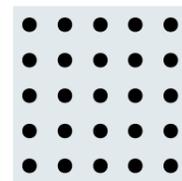
## Unity Perforations (Perforation Till the edge)



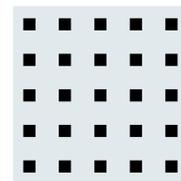
**Unity 3**  
Square 3.5x3.5mm,  
c/c 8.3mm



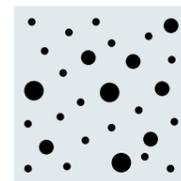
**Unity 4**  
Circles Ø4mm,  
c/c 10mm



**Unity 6**  
Round Ø6mm,  
c/c 15mm



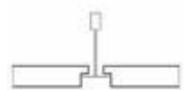
**Unity 9**  
Square 9x9mm,  
c/c 20mm



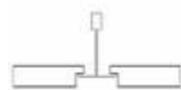
**Unity 8/15/20**  
Various circles  
Ø8, Ø15 & Ø20mm

PERFORATION MEASURES	Unity 3 Square 3.5x3.5mm, c/c 8.3mm	Unity 4 Circles Ø4mm, c/c 10mm	Unity 6 Round Ø6mm, c/c 15mm	Unity 9 Square 9x9mm, c/c 20mm	Unity 8/15/20 Various circles Ø8, Ø15 & Ø20mm
<b>PERFORATION %</b>	17.2%	12.2%	11.9%	18.9%	10.8%
<b>NRC, @ 200mm, no mineral wool</b>	0.80	0.75	0.60	0.80	0.55
<b>NRC, @ 200mm, 50mm mineral wool</b>	0.90	0.80	0.70	0.85	0.55
<b>ALPHA-W, @ 200mm, no mineral wool</b>	0.80	0.70	0.65	0.75	0.60
<b>ALPHA-W, @ 200mm, 50 mm mineral wool</b>	0.90	0.75	0.70	0.75	0.60

- Verified Environmental Product Declaration (EPD)
- Danish Indoor Climate Labelling
- Made from gypsum, a recyclable material
- Rich design possibilities with different perforation designs
- High acoustical performance
- Repaintable without loss of acoustics
- Easy access to installations
- Listed to be used in Nordic Swan Ecolabelled buildings
- Product is recyclable and can be reused in the production of new gypsum boards and gypsum tile.



**EDGE E+, S15**  
Lay-in tile in recessed



**EDGE E+, 24**  
Lay-in tile in recessed



**EDGE D+**  
Contur (Concealed, Edge D+)

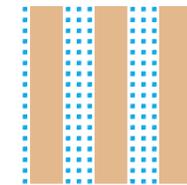
Belgravia (Tegular, Edge E+)

## Rold12

### 3-dimensional wood look design with top fire classification

These ceiling tiles consist of a perforated tile with glued gypsum strips on the front with for example a wood look design, making the acoustic ceiling tiles three-dimensional with a top fire classification.

Fully demountable and High acoustical performance.



**Unity 3 Perforation:**  
Square 3.5x3.5mm, c/c 8.33mm

**Gypsum Strips:**  
12 strips, glued to perforated tile  
@ c/c 50mm

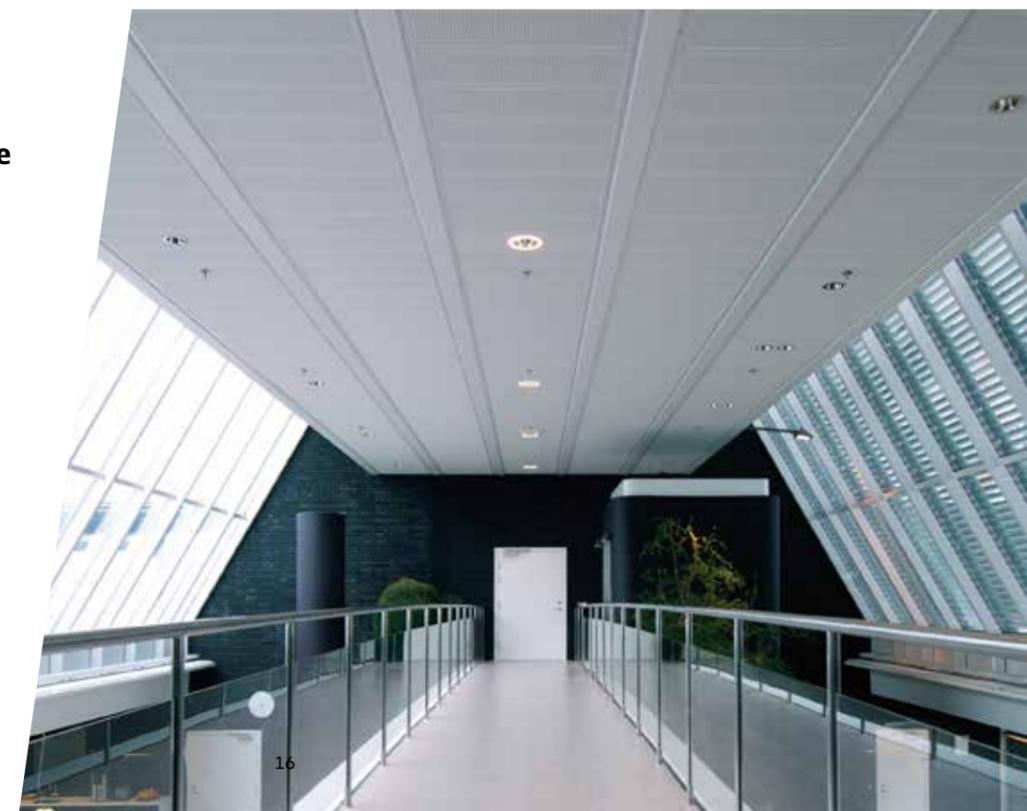
<b>NRC, @ 200mm, no mineral wool</b>	0.80
<b>NRC, @ 200mm, 50mm mineral wool</b>	0.85
<b>ALPHA-W, @ 200mm, no mineral wool</b>	0.80
<b>ALPHA-W, @ 200mm, 50 mm mineral wool</b>	0.90



## Corridor

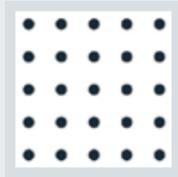
### 3 times faster installation with free-span demountable ceilings

The ceiling tiles are installed without any cross runners or suspension hangers providing a freedom in planning process when placing pipes, ventilations, and cables. Corridor 400 acoustical ceiling is extremely quick to install: 3 times faster installation.

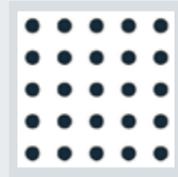


# Fixed Ceilings and Walls Solopanel and Stratopanel

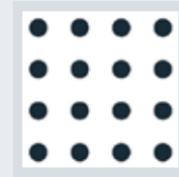
Monolithic surface, Wide range of designs, Repaintable without loss of acoustics



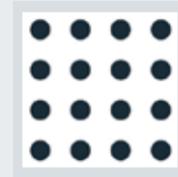
**G6/18**  
Circles Ø6mm,  
c/c 18mm



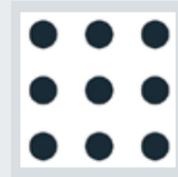
**G8/18**  
Circles Ø8mm,  
c/c 18mm



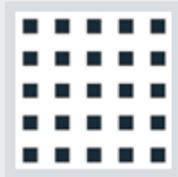
**G10/23**  
Circles Ø10mm,  
c/c 23mm



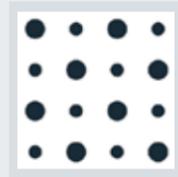
**G12/25**  
Circles Ø12mm,  
c/c 25mm



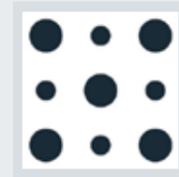
**G15/30**  
Circles Ø15mm,  
c/c 30mm



**Q8/18**  
Square 8x8mm,  
c/c 18mm



**G8/12/50**  
Circles Ø8 & Ø12mm,  
c/c 50mm



**G12/20/66**  
Circles Ø12 & Ø20mm,  
c/c 66mm



**G8/15/20**  
Various circles Ø8,  
Ø15 & Ø20mm



**G12/20/35**  
Various circles Ø12,  
Ø20 & Ø35mm

# DANOloft

DANOloft® acoustic ceiling and wall boards are made of the recyclable material, gypsum, providing the gypsum tiles with a long service life without discoloration and without any crumbles from the tiles. Thanks to the properties of gypsum, DANOloft® has a high fire class: A2-s1-d0.

DANOloft® are delivered ready for installation, so no acclimatization on building site is needed. The perforated gypsum boards are pre-painted from the factory and need only screw-fixing directly into the perforation holes.

<b>PERFORATION DESIGN</b> Also	
<b>PERFORATION MEASURES</b>	Square 3.5 x 3.5 mm c/c 8.33 mm
<b>PERFORATION %</b>	17.2%
<b>NRC</b>	65 mm construction +4.5mm mineral wool: 0.90 200 mm construction no mineral wool: 0.80
<b>ALPHA-W</b>	65 mm construction +4.5mm mineral wool: 0.95 200 mm construction no mineral wool: 0.80



# Contrapanel

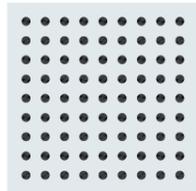
Contrapanel is an acoustic panel with exceptional strength. The surface of the panel is laminated with pre-impregnated white paper which gives the robustness. Contrapanel meets the toughest requirements for impact resistance and is ideal for use in high-activity rooms such as sports halls and gymnasiums.

<b>PERFORATION DESIGN</b> Also available without perforations (Regula)	
<b>PERFORATION MEASURES</b>	<b>GLOBE</b> Circles 6 mm c/c 15 mm



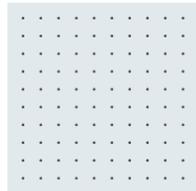
# METAL Range

## Perforations



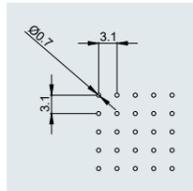
Standard perforation  
**Rg 2516**

Hole diameter: 2.5mm  
Open area: 16%



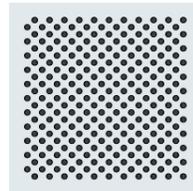
Extramicro-perforation  
**Rg 0701**

Hole diameter: 0.7mm  
Open area: 1.5%



Optimicro-perforation  
**Rg 0704**

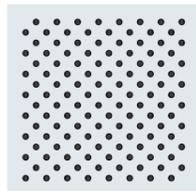
Hole diameter: 0.7mm  
Open area: 4%



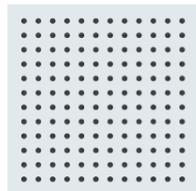
Micro-perforation  
**Rd 1522**

Hole diameter: 1.5mm  
Open area: 22%

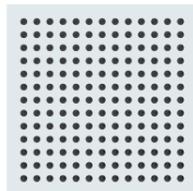
## Vario Design Perforations



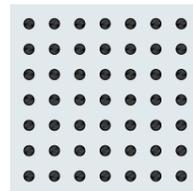
Rd 1511



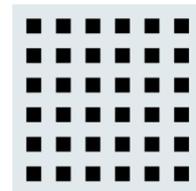
Rg 1511



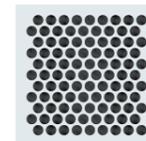
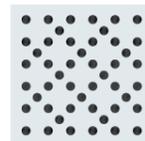
Rg 1821



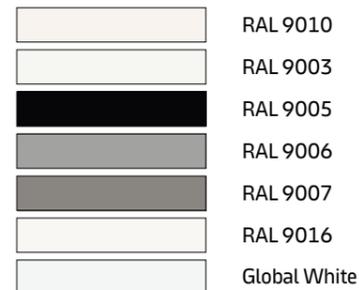
Rg 3013



Qg 4025



## Colours



## Vario Design



## Wood Effect



Knauf Ceiling Solutions range of perforations offers a wide choice of aesthetic options, specialised uses or design preferences. For more information, please contact us. Further colours and wood effects available on request.

## Acoustic Solutions



### Black Acoustic Fleece VLSRX

The standard VLSRX black non-woven acoustic fleece provides a cost-effective solution for metal ceiling tiles to meet general sound absorption requirements. Bonded to the back of the perforated metal tile the non-woven fleece helps to eliminate pattern staining on the surface of the tile that can be associated with loose-laid or non-bonded solutions.



### Premium OP15

The Premium OP15 solution uses a 15mm thick medium-low density mineral infill that is designed to maximise the sound absorption performance with up to Class A performance possible.



### Premium B17

The Premium B17 infill uses a 17mm thick, higher density infill when higher attenuation performance is required – achieving up to 44 dB  $D_{n,t,w}$  for unperforated tiles. Even with perforated tiles, up to 41 dB  $D_{n,t,w}$  can be achieved using Premium B17 infills, whilst maintaining up to 0.75  $\alpha_w$  sound absorption to provide a balanced acoustic performance.

Perforation	Acoustic infill	EN ISO 354										EN ISO 10848-2	EN ISO 10140-2	CAC [dB]	
		$\alpha_w$	Cavity [mm]	Class	Frequency [Hz] $\alpha_w$						NRC	$D_{n,t,w}$ [dB]	$R_w$ [dB]		
					125	250	500	1000	2000	4000					
Unperforated	Premium OP15	0.15(L)	200	NC	0.40	0.25	0.15	0.15	0.15	0.15	0.15	0.20	43	23	45
	Premium B17	0.20	200	E	0.25	0.20	0.15	0.20	0.15	0.15	0.20	0.20	44	23	45
Rg 0701	Premium OP15	0.65(L)	200	C	0.50	0.65	0.60	0.55	0.60	0.55	0.60	0.27	16	28	
	Premium B17	0.60	200	C	0.50	0.55	0.55	0.55	0.60	0.55	0.55	0.41	20	43	
Rg 0704	Premium OP15	0.80	200	B	0.55	0.75	0.80	0.75	0.85	0.90	0.80	0.27	16	28	
	Premium B17	0.75	200	C	0.55	0.70	0.70	0.75	0.80	0.80	0.75	0.41	20	42	
Rd 1522	Premium OP15	0.90	200	A	0.55	0.85	0.95	0.80	0.95	1.00	0.90	0.24	13	25	
	Premium B17	0.70(H)	200	C	0.35	0.50	0.60	0.80	0.90	0.95	0.70	0.30	16	31	
Rg 2516	Premium OP15	0.90	200	A	0.55	0.85	0.90	0.80	0.95	0.95	0.90	0.24	13	25	
	Premium B17	0.65(H)	200	C	0.35	0.45	0.60	0.80	0.90	0.95	0.70	0.31	16	32	

$\alpha_w$ : as per EN ISO 11654 / NRC: as per ASTM C 423-01 /  $D_{n,t,w}$ : as per EN ISO 717-1 / CAC: as per ASTM E 413-10

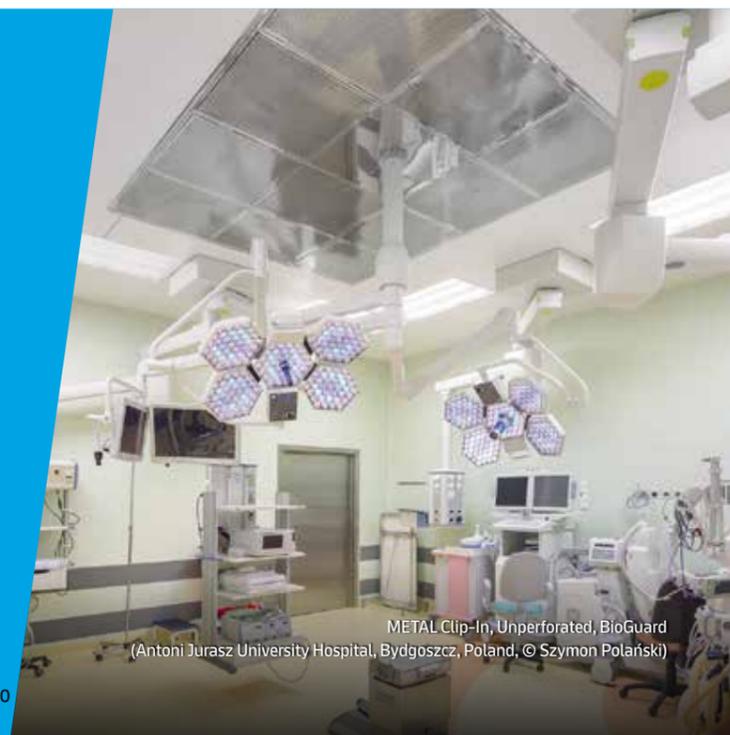
## Performance Coatings

### METAL BioGuard <sup>1</sup>

METAL BioGuard metal tiles coating is designed for applications where suspended ceilings are required, and hygiene and cleanliness are of the utmost importance. METAL BioGuard is more effective in the control of bacteria than a standard powder coating because it prevents the settlement of bacteria on the surface of the tile. METAL BioGuard gives good cleanability and resistance to disinfectants as well as cleanroom performance.

For more information, please get in touch with us.

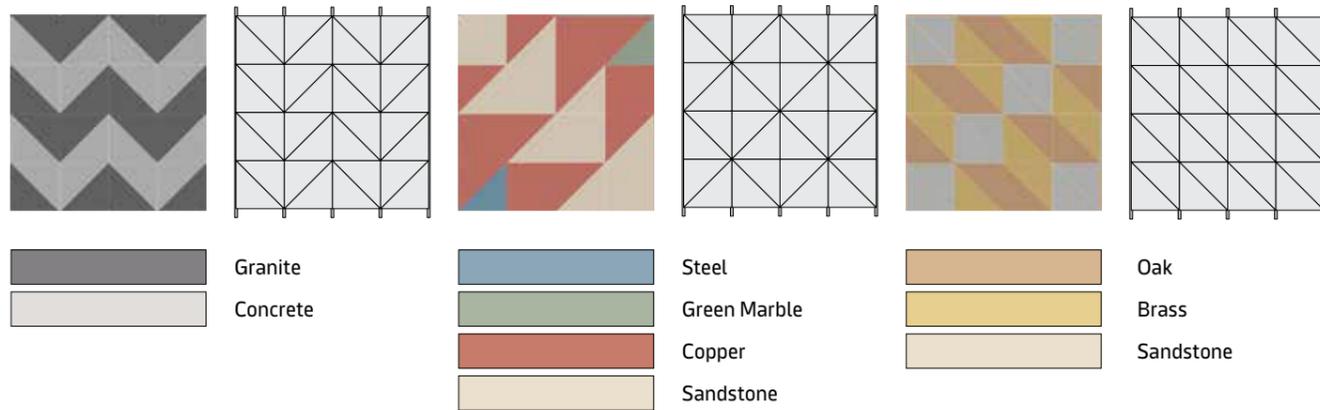
<sup>1</sup>The BioGuard coating is only available for concealed grid solutions, unperforated, in RAL 9010 or Global White, without acoustic infill or gasket.



METAL Clip-In, Unperforated, BioGuard (Antoni Jurasz University Hospital, Bydgoszcz, Poland, © Szymon Polański)

# METAL Creative

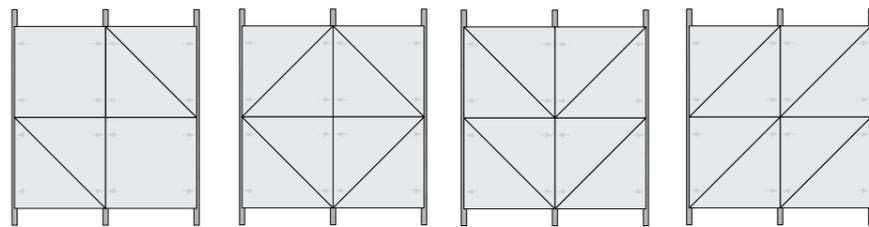
Part of our Creative range, the new METAL Creative (METAL R-H 215) triangular tiles offer you the best of flexibility and modular design. Combine triangular and square tiles to create parallelograms that blend with the interior, creating an atmosphere in which all the elements are coordinated and allowing the ceilings to become part of the overall architectural expression.



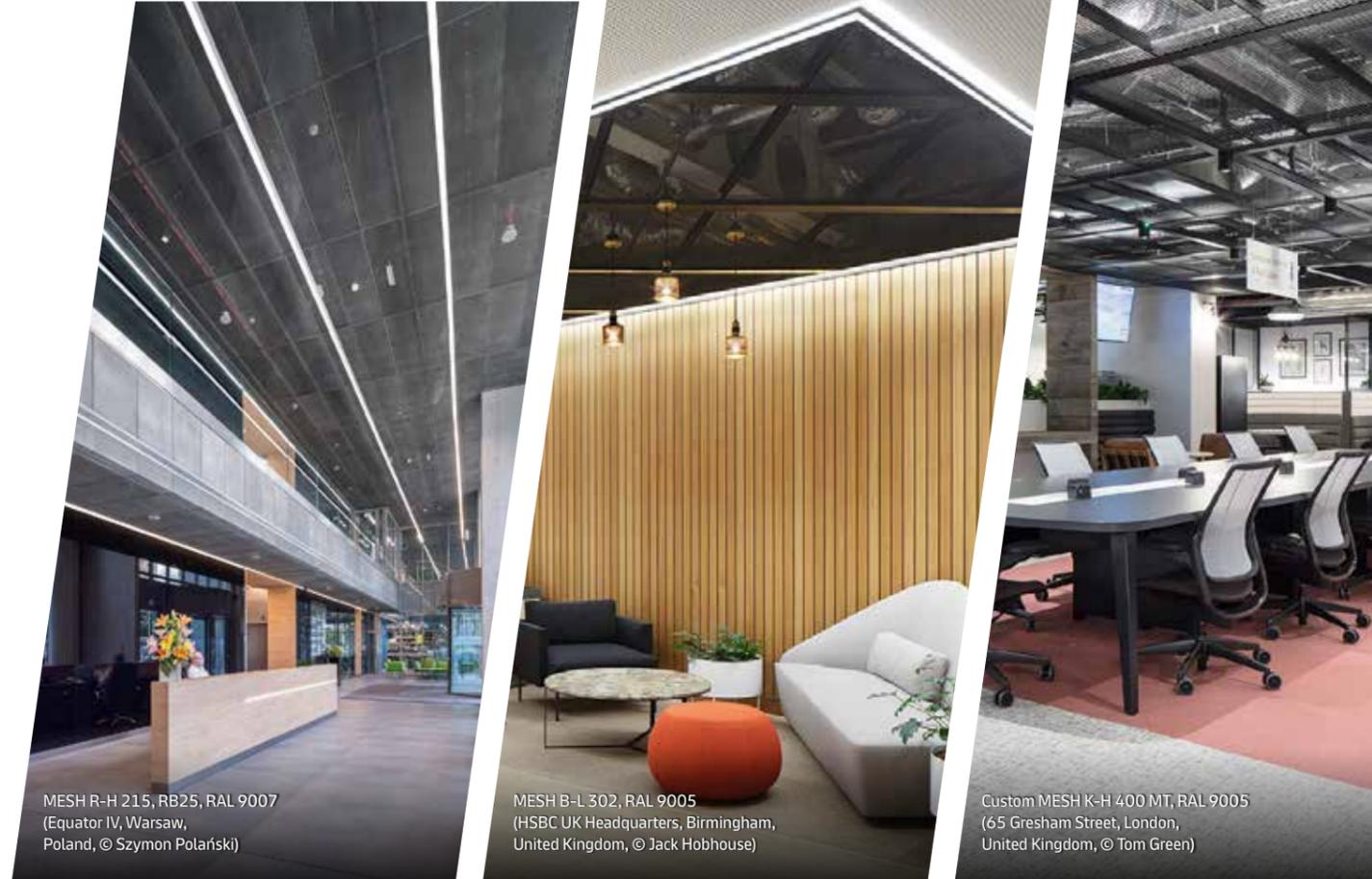
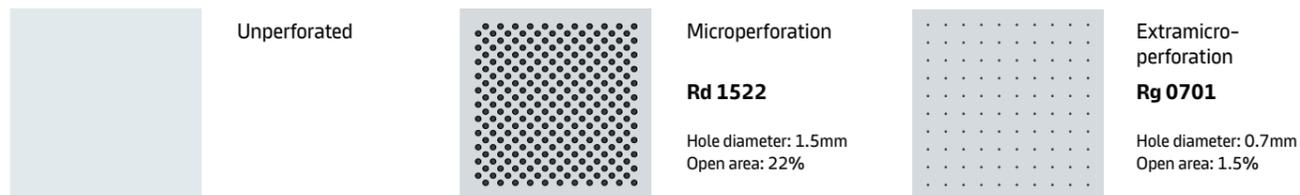
## Isometric View



## Layout Examples



## Perforations



MESH R-H 215, RB25, RAL 9007  
(Equator IV, Warsaw, Poland, © Szymon Polański)

MESH B-L 302, RAL 9005  
(HSBC UK Headquarters, Birmingham, United Kingdom, © Jack Hobhouse)

Custom MESH K-H 400 MT, RAL 9005  
(65 Gresham Street, London, United Kingdom, © Tom Green)

# MESH Range

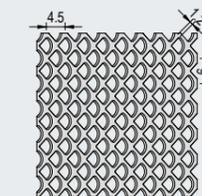
## Colours



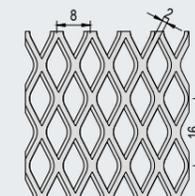
Further colours available on request.

## Patterns

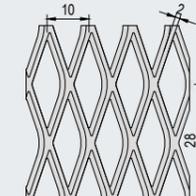
### Standard Steel Mesh



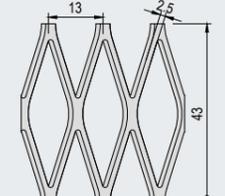
**KD100**  
Open area: 35%



**RB25**  
Open area: 50%



**RB35**  
Open area: 58%



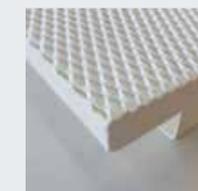
**RB55**  
Open area: 62%

MESH patterns are directional.

## Mesh vs. Mesh MT



**MESH**  
Visible side with 90° upturn on all four edges and welded stiffening profiles inside.



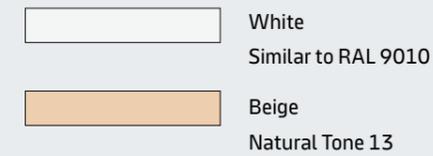
**MESH MT**  
(MicroTack Technology)  
Flat visible side, without upturn, with welded stiffening profiles on all edges.

# WOOD WOOL Range

HERADESIGN® This is what sustainable acoustics look like. The high-quality wood wool acoustic solution opens up an almost infinite variety of designs that make a crucial contribution to creating ecological and comfortable spaces. This is recognised by the internationally renowned Cradle to Cradle Certified® Gold award for HERADESIGN® in colours natural and white.

		Product range					A2		Alpha+	
		Macro	Fine	Superfine	Micro	Plano	Fine A2	Superfine A2	Fine	Superfine
<b>Nominal size (mm)</b> (further sizes on request)	600 x 600	✓	✓	✓	✓	✓	✓	✓	✓	✓
	625 x 625		✓	✓	✓				✓	✓
	1200 x 600	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1250 x 625		✓	✓	✓				✓	✓
<b>Panel thickness</b>	1-layer	15mm		✓	✓		✓	✓		
		25mm	✓	✓	✓	✓	✓	✓		
		35mm		✓	✓	✓				
	2-layer	15mm							✓	✓
		25mm							✓	✓
<b>Reaction to fire according to EN 13501-1: B-s1, d0</b>		✓	✓	✓	✓	✓			✓	✓
<b>SOUND ABSORPTION VALUE</b>										
<b>Weighted sound absorption coefficient (a<sub>w</sub>)</b>		Up to 0.70	Up to 0.90	Up to 1.00	Up to 0.55	Up to 0.35	Up to 0.75	Up to 0.95	Up to 0.80	Up to 0.90
<b>Noise reduction coefficient (NRC)</b>		Up to 0.75	Up to 0.95	Up to 1.00	Up to 0.60	Up to 0.35	Up to 0.75	Up to 1.00	Up to 0.75	Up to 0.85
<b>PRODUCT DECLARATION</b>										
<b>WW-EN 13168-L3-W2-T2-S3-P2-CS(10)200-Cl3</b>		✓	✓	✓	✓	✓	✓	✓		
<b>WW-EN 13168-L4-W2-T2-S2-P2-Cl3</b>									✓	✓
<b>Certificate of constancy of performance</b>		0751-CPR-209.0-01								
<b>Standard colours</b>		White, similar to RAL 9010 / Beige – natural tone 13 (further shades available from colour systems such as RAL, NCS, BS or StoColor)								
<b>Areas of application</b>		Suitable for rooms with constant relative humidity of up to 90%. Application in rooms with relative humidity higher than 80% should be discussed with a structural engineer.								

## Colours



Other colours from popular RAL and NCS colour systems available on request.

Deviation in colour and visual appearance may occur due to the rough fibre and panel surface.

## Vario Design



- HERADESIGN® (PIU Restaurant, São Paulo, Brazil, © mmorenofoto)
- HERADESIGN® (Hotel CROZ, © Domagoj Kunić)
- HERADESIGN® (Fattoria Rásca, São Paulo, Brazil, © Fran Parente)  
Vario Design White Similar to RAL 9010 Beige Natural Tone 13

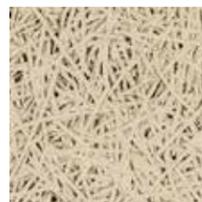
- HERADESIGN® Superfine, GK edge finish, RAL 1023  
(Talente Check, Berlin, Germany, © Rainer Rehfeld Fotogra-  
fie, studio ktv, IHK Berlin)



## Surface Patterns



HERADESIGN®  
Macro  
3mm Fibre



HERADESIGN®  
Fine  
2mm Fibre



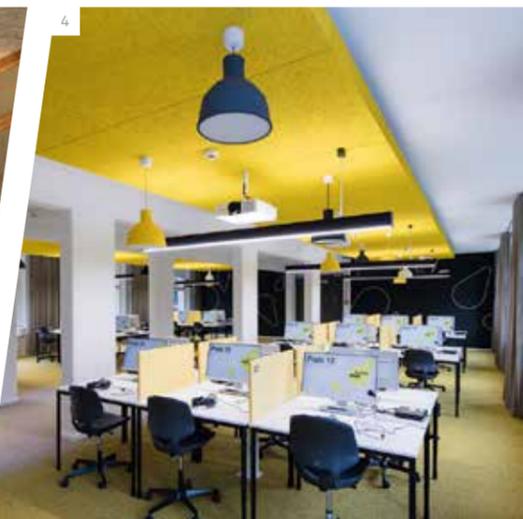
HERADESIGN®  
Superfine  
1mm Fibre



HERADESIGN®  
Micro  
finely pored



HERADESIGN®  
Plano  
smooth texture



# HERADESIGN® Corridor

HERADESIGN® Corridor is complete free-span system. Including all the necessary components, it allows for a fully concealed installation with no visible grid.

The HERADESIGN® Corridor doesn't require any hangers, for a simple and quick installation. Each panel remains independent, making it an ideal demountable solution for easy access to the plenum.

HERADESIGN® Corridor can be fitted to specific lengths to adapt to any corridor width, offers the full range of HERADESIGN® colours, and is available in both A2-s1, d0 and B-s1, d0 fire classes.

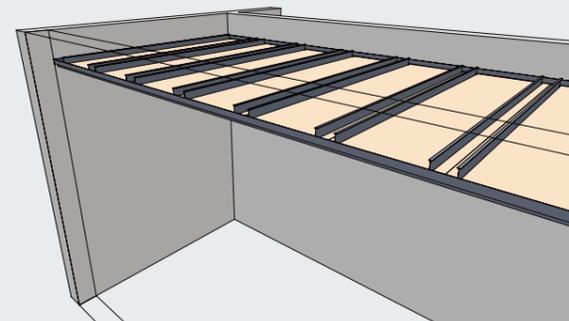
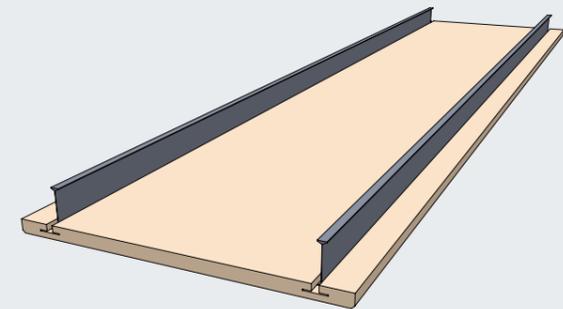
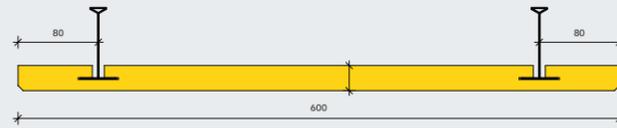
## Colours

	White Similar to RAL 9010
	Beige Natural Tone 13

## Vario Design

	Granite
	Steel
	Green Marble
	Copper
	Oak
	Brass
	Sandstone
	Concrete

Other colours from popular RAL and NCS colour systems available on request. Deviation in colour and visual appearance may occur due to the rough fibre and panel surface.



# HERADESIGN® Creative

HERADESIGN® Creative Module is a single-layer magnesite-bonded wood wool acoustic panel.

## Our product range for you:

Our eight different HERADESIGN® Creative Shapes /Modules are available as standard in sizes 300mm and 600mm. For the creation of the most unconventional projects, we stand by your side with our custom-made products.

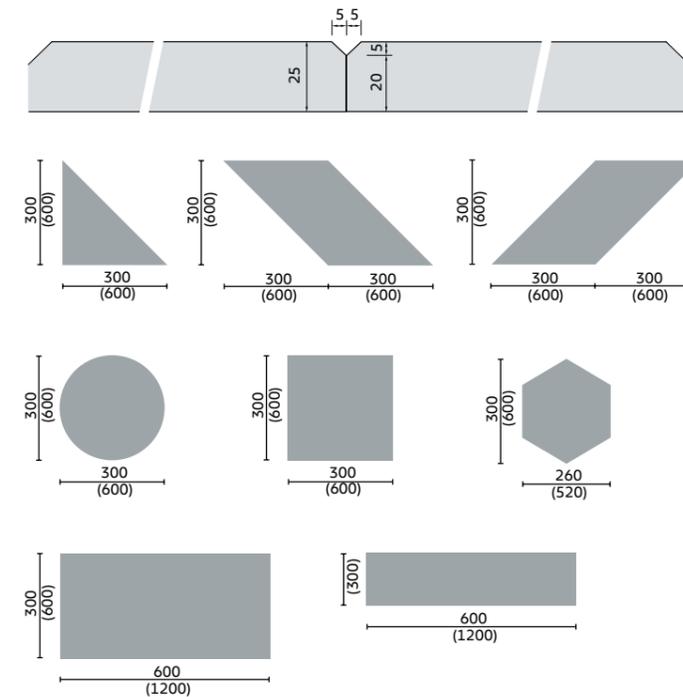
- Choose from a selection of eight predefined shapes.
- Available in the surfaces HERADESIGN® Fine, Superfine and Micro.
- Ideal as a combined or standalone solution.

## Available Surfaces

HERADESIGN® Fine	HERADESIGN® Superfine	HERADESIGN® Micro
---------------------	--------------------------	----------------------



## HERADESIGN® Creative Module Surface / Edge Detail



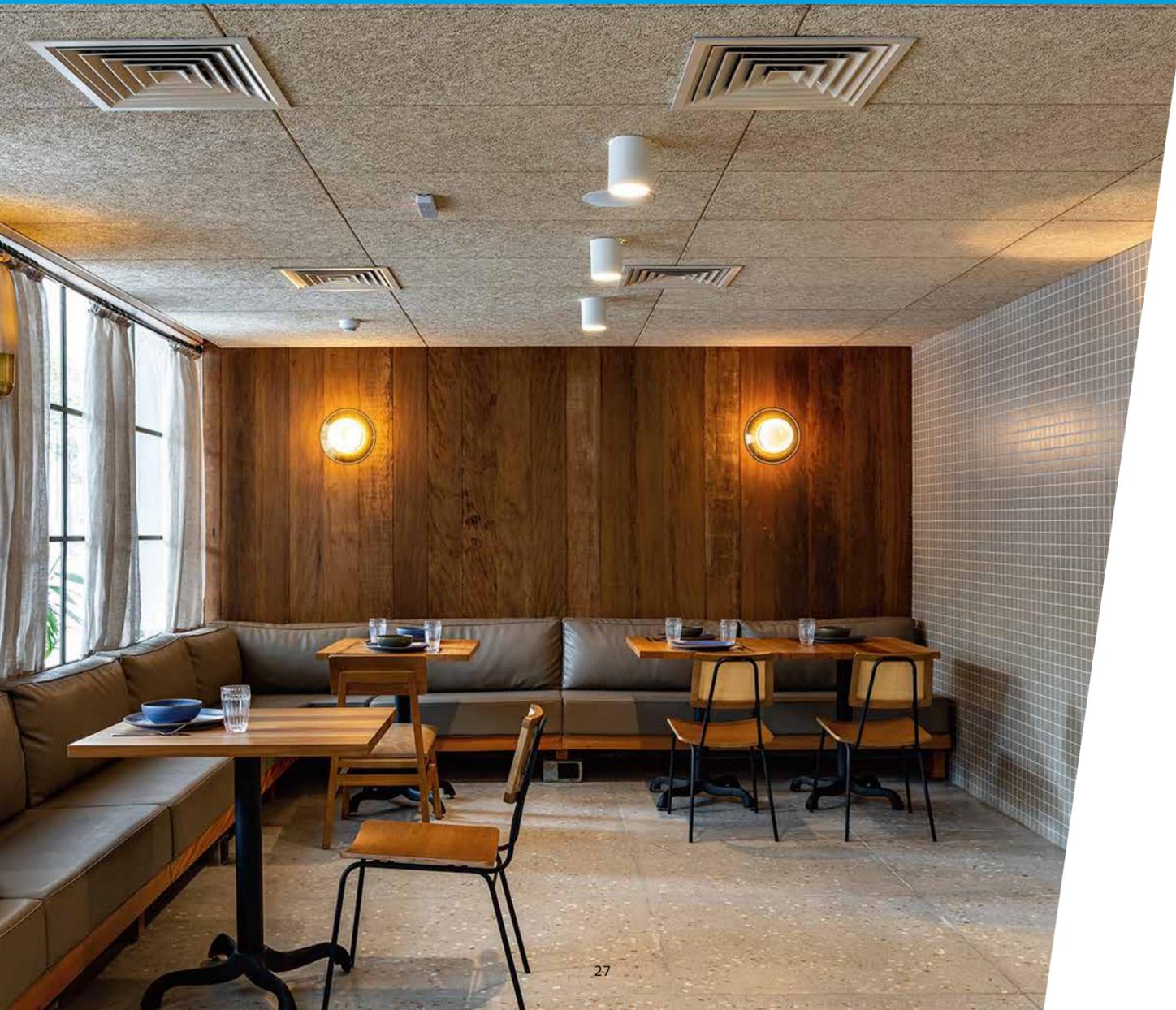
# HERADESIGN® Superfine Alpha+

Homogeneous wood wool panels with acoustic fleece, higher sound absorption with the same panel thickness.



## Benefits

- Fewer obstructions in the ceiling cavity, which facilitates installation, maintenance, disassembly and recycling easier
- The sound absorption performance is increased compared to a standard panel up to class A without increasing the thickness
- Available in 15, 25 and 35mm thicknesses and a wide range of edge details.



## HERADESIGN® Superfine Alpha+

### Physical Data and Performance

Characteristics	Detailed information														
System	A2.1, A2.2			B2.1, B2.2				C2.1		S2.1					
Edge details *		VK-09		GK		AK-02/5		AK-03		SK-04		SY-02			
		VK-10		AK-00		AK-02/10				SK-05					
*not all combinations edge/board thickness are available		VK-10/5		AK-01		AK-02/20				SK-06					
Dimensions (mm)	600 x 600, 625 x 625, 1200 x 600, 1250 x 625, additional sizes on request.														
Thickness	15, 25, 35														
Weight	7.8 (15mm), 12.8 (25mm), 16.5 (35mm)														
Sound absorption	Thickness (mm)	TCH (mm)	Frequencies (Hz), $\alpha_p$						Entire range		Class				
			125	250	500	1000	2000	4000	NRC	$\alpha_w$					
			15	45	0.10	0.25	0.60	0.90	0.85	0.90			0.65	0.55 (MH)	D
			15	100	0.25	0.60	0.80	0.85	0.80	0.85			0.75	0.80	B
			15	200	0.45	0.80	0.80	0.75	0.85	0.90			0.80	0.80	B
			25	25	0.05	0.15	0.35	0.65	0.90	0.75			0.55	0.40 (MH)	D
			25	55	0.10	0.30	0.70	1.00	0.90	0.95			0.75	0.60 (MH)	C
			25	200	0.45	0.75	0.90	0.85	0.95	0.95			0.85	0.90	A
			35	35	0.10	0.20	0.50	0.90	0.75	0.85			0.60	0.50 (MH)	D
			35	65	0.15	0.40	0.85	0.95	0.95	0.90			0.80	0.70 (MH)	C
35	200	0.45	0.85	0.90	0.90	0.90	0.90	0.90	0.90	A					
Ball impact safety	Ball impact resistant according to DIN 18 032 /part 3 or class 1A according to EN 13964 annex D, Ball impact resistant for panel thicknesses $\geq 25$ mm • Ceiling panelling system B2.1, B2.2, C2.1 • Wall panelling system B2.1, B2.2, S2.1														
Reaction to fire	Euroclass B-s1,d0														
Thermal conductivity	$\lambda = 0.09$ W/mK according to EN 12667														
Humidity resistance	Suitable for rooms with a constant humidity of up to 90%.														
Application areas	A decorative and acoustically effective suspended ceiling and wall panel for use in interior spaces as well as roofed outdoor areas that are not directly exposed to environmental influences such as rain or pollutants.														
Installation	The installation of HERADESIGN® acoustic panels should take place during the last phase of the job, and in temperature and humidity controlled conditions. All building activities which create dust must be completed before the start of installation. Store the panels flat and protect against moisture and dirt. The packaging does not protect the products against rain. HERADESIGN® products should be installed in strict accordance with Knauf Ceiling Solutions installation and storage guidelines.														
Designation code	WW-EN 13168-L4-W2-T2-S2-P2-Cl3														
Special information	• Manufacturing tolerances in nominal dimensions: L4, W2, T2: $\pm 1$ mm, for lengths $> 1250$ mm L4: $\pm 2$ mm • Maximum changes in dimension in standard climate 23° C/50 % relative humidity: $\pm 1$ %														
Cleanability															
Colour	Standard colours			Vario Design colours											
	White* Nature** Black***			Granite Steel Green Marble Copper Oak Brass Sandstone Concrete											
	*similar to RAL 9010 **similar to RAL 1015 ***similar to RAL 9005			• Other colours from popular RAL and NCS colour systems are available. • Deviations in colour and visual appearance may occur due to the rough fibre and panel surface.											
Sustainability															

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

# WOOD Range



1 WOOD Exposed Grid (© Knauf Ceiling Solutions)  
 2 WOOD Concealed Grid (© Knauf Ceiling Solutions)  
 3 WOOD Baffle & Grille (The Green Planet, Dubai, © Daniel Cheong Photography)

## Exposed Grid

Wood ceilings combine the beauty of natural wood in a versatile range of panels available in standard and custom options.

## Concealed Grid

Concealed solutions provide a continuous, monolithic appearance by covering the suspension system.

## Baffles & Grille

Baffle and Grille solutions create dramatic lines adding a unique perspective to your design.

## Floating Ceiling Canopies

Open up an almost endless range of dramatic design possibilities with canopies that can be suspended from any soffit.

## Channelled Solutions

Create a jointless ceiling for a unique effect with a versatile range of channelled planks available in standard and custom options.

## Linear Solutions

Easy-to-install wood veneer planks offer a wide variety of installation options including seamless wall to ceiling transitions.

## Wall Solutions

Wall systems are available in a large range of finishes with standard, custom and channelled perforations that improve sound quality and reverberation time.

4 WOOD Floating Ceiling Canopy (© Knauf Ceiling Solutions)  
 5 WOOD Channelled (© Knauf Ceiling Solutions)  
 6 WOOD Linear (Amsterdam Academic Hospital, Netherlands, © Johan Carlier)  
 7 WOOD Wall (Rabobank, Netherlands, © Fedde de Weert)

## Standard Veneers

(custom veneers and colour matching available on request)



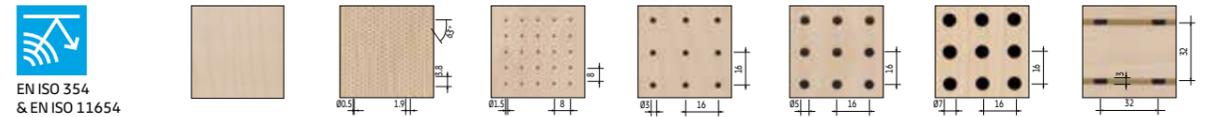
Ash Natural Bamboo Caramel Bamboo Maple Oak American Cherry American Walnut

All veneers have a matt finish. Variation between wood veneer tiles may occur due to the natural characteristics of the wood and grain.

## Standard Perforations

(custom perforations available on request)

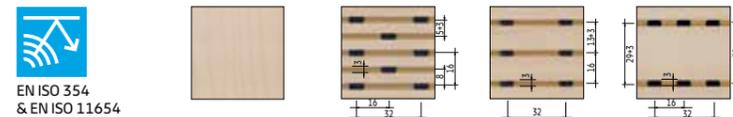
### Lay-In Standard Perforation Patterns



	Unperforated	Rv 0505d	Rg 1503d	Rg 3003d	Rg 5008	Rg 7015	G 33202
% = Open Area		(5%)	(3%)	(3%)	(8%)	(15%)	(2%)
$\alpha_w$	0.10(L)	0.60(LM)	0.35(LM)	0.40(L)	0.55(L)	0.70(L)	0.40
NRC	0.10	0.70	0.50	0.50	0.55	0.70	0.40

## Channelled Perforations

### Channelled Standard Perforation Patterns



	Unperforated	G 30809	G 31604	G 33204
% = Open Area		(9%)	(4%)	(4%)
$\alpha_w$	0.10(L)	0.80(LM)	0.65(LM)	0.60(L)
NRC	0.10	0.80	0.65	0.60

## Performance & Sustainability

### Fire Reaction

EEA Euroclass B-s1, d0 - Unperforated  
 EEA Euroclass B-s2, d0 - Perforated  
 EEA EN ISO 354

≈ 12.5 kg/m<sup>2</sup> - Unperforated  
 ≈ 10.6 - 12.3 kg/m<sup>2</sup> - Perforated  
 ≈ (depending on perforation)

### Other Performances & Features

≤ 70% RH

### Sustainability

Up to 90%



Unperforated: A+  
 Perforated: A



E1

# WOODWORKS® Grille



## Warm, Natural & Sustainable

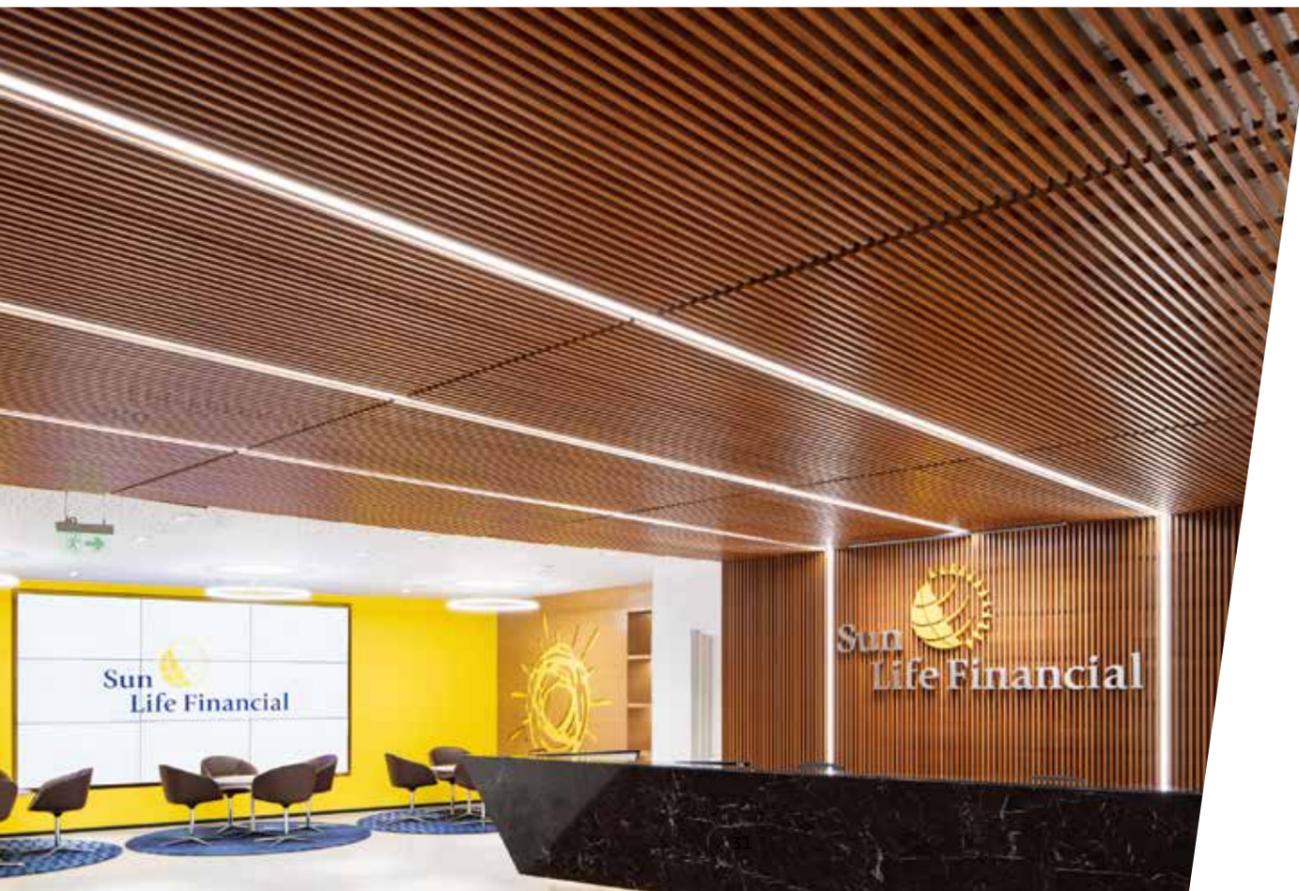
WOODWORKS® Grille is the perfect solution for any commercial space looking for an elegant, linear look.

Made from a rapidly renewable natural bamboo core, these warm, natural wood ceilings come as pre-engineered slats, but require field fabrication. With the option to install on the ceiling, on the wall, or create 90° angled ceiling-to-wall transitions, the design possibilities are endless.

The easy installation with dowel or backer allows for a quick and hassle-free setup. Plus, for those looking for quieter, less reverberant

spaces, there are acoustic options available. WOODWORKS® Grille comes in two standard sizes and is perfect for spaces such as lobbies, retail spaces or conference rooms.

The warm natural bamboo finish provides a stunning look that is sure to impress any visitor. With its sustainable design, WOODWORKS® Grille is the perfect solution for any commercial space looking for a touch of sophistication.



# Knauf DESIGNLINE

## Design Fully in Vogue

Knauf DESIGNLINE is the lamella acoustic system for discerning and sophisticated interior design.

The DESIGNLINE lamellae are based on our highly compressed and extremely resilient gypsum fibreboards and finished with real wooden veneer. Thus, the highest demands for design and aesthetics as well as fire resistance and room acoustics are achieved.

Different veneers, shapes and dimensions, as well as the option to combine them individually, offer formidable freedom of design. Both horizontal and vertical installation are possible.

The certified DB-FIX frame mount for walls and ceilings enables quick installation without tools and makes Knauf DESIGNLINE the perfect system solution.



KD-0035-00-W  
Oak Select



KD-0158-00-W  
Ash Select



KD-0043-00-W  
American Walnut Select



# Knauf DESIGNBOARD

## Exciting Design Perfect Sound

**Whether it is a concert hall, a classroom or a gym, each space is used differently, and has specific acoustics requirements.**

We combine many years of experience in the production of highly compressed and non-combustible gypsum fibre boards with innovative surface finishing. The result is presented in the finished wall and ceiling panels that offer unprecedented creative freedom, and at the same time ensure first-class acoustics regardless of whether the sound should be reflected or absorbed.

Knauf DESIGNBOARD Drywall systems from Knauf Design, classified and approved according to DIN EN 13501, fully comply with legal requirements. DESIGNBOARD provides an exciting aesthetic appearance, perfect sound and fire safety. In addition, gypsum fibre board ensures a good indoor climate, it repeatedly falls below the formaldehyde limit values.



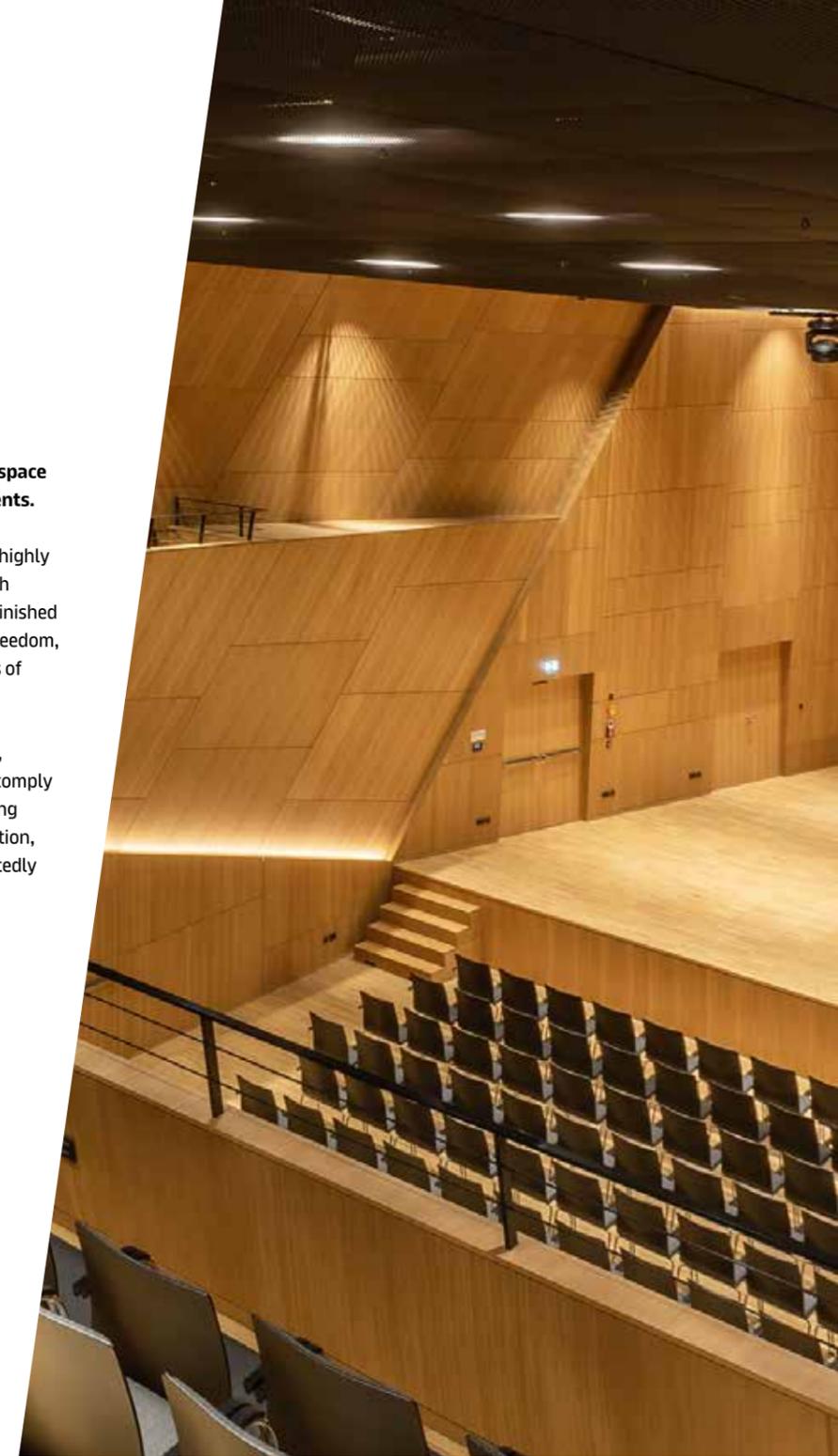
Straight slot (S)



Nano-perforation (N)



Straight round perforation (R)



Knauf Design products excel wherever uncompromising functionality, perfect acoustics, high-end aesthetics, consistent appearance, and efficient solutions. As a trusted partner for construction industry professionals – including architects, interior designers, contractors – Knauf Design is a reliable supplier that guarantees maximum safety while ensuring quality, approval, and feasibility.

# OPTRA Fabric Baffle & Wall Panels

## Create New Conversations

Knauf Ceiling Solutions offers you the technology to print gorgeous images on fabric to do up your workspaces.

From detailed life-like images to abstract art, you can get the perfect print to suit your design and décor. Rest assured, the technology and prints are environment friendly, keeping the impact to a minimum.

### BENEFITS

- Available in wide range of sizes and with custom size made available to meet individual design requirements
- Superior Sound Absorption (NRC 0.85)
- Easy to install over existing walls



### THEATRES & AUDITORIUMS

45% wall panel cladding offers excellent noise control in cinemas and auditoriums.

### CONFERENCE ROOMS & THEATRES

At least 15-25% coverage is recommended in home theatres and conference rooms. OPTRA panels with its superior texture can be used to create a sense of warmth along with excellent voice clarity.

### OFFICE & COMMERCIAL SPACES

10-15% cladding using OPTRA wall panels is suitable for general purpose coverage and commercial spaces. Create patterns on the wall, thereby combining form and functionality.

### OPTRA Fabric Standard Colours



### OPTRA Fabric Optional Colours\*

(custom perforations available on request)



Due to limitation in printing, colour may vary from actual product. Shade variation among panels may occur for different batches due to the fabric dyeing process.

# Felt Acoustic Baffle & Wall Panels

## Personality Defining Spaces

FELTWORKS™ Acoustical Panels allow for a unique look for any space, with a soft visual texture that quiets down interiors.

Reduce noise and define spaces. FELTWORKS™ acoustical panels absorb up to 80% of the sound that strikes them.

Easy installation with bevel edge or square edge. Homogeneous structure – colour throughout panels. Eco-preferable product which meets the most stringent industry sustainability standards today.



### BENEFITS

- Excellent sound absorption properties
- Suitable for wall and ceiling applications
- Eco-preferable material with low VOC emissions, contains no formaldehyde and high recycle content
- Homogeneous with throughout colour – no jobsite paint required for cut edges
- Cleanable and easily demountable
- Impact and scratch resistant for long material longevity

### FELTWORKS™ Standard Colours



# AXONIS Ceiling Solutions

## AXONIS Profiles

AXONIS Profiles are available in four different heights from 50mm to 150mm and are installed with or without AXONIS corner posts and universal accessories for secure and easy installation.

The profiles can be used as a frame for floating ceilings, for upstand and downstand margin detail or for concealed lighting solutions.

## AXONIS Transitions

AXONIS Transitions create a seamless transition between plasterboard margins and all types of suspended grid systems.

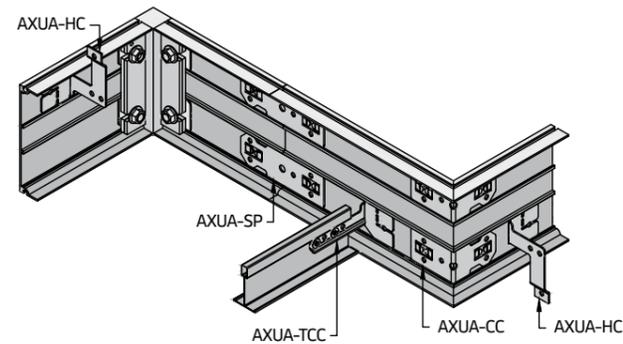
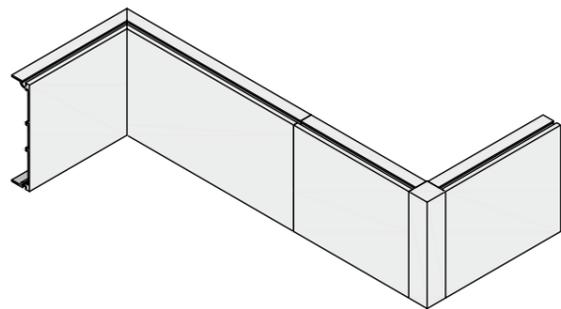
Five section designs are available for compatibility with a variety of edge details.

## AXONIS Perimeter Trims

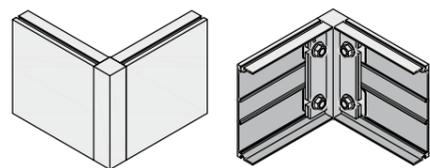
AXONIS Perimeter Trims are available for both plasterboard and standard solutions.

Simply create a unique seamless ceiling finish when you combine the perimeter trims with any AXONIS Transitions or Profiles.

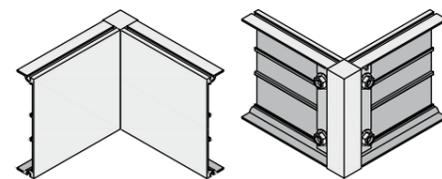
AXONIS Profiles Assembled - outside/inside view



AXONIS Profile Corner Post Assembled  
Outside Corner - outside/inside view



AXONIS Profile Corner Post Assembled  
Inside Corner - outside/inside view



# Suspension Solutions



## AMF VENTATEC®

A range of standard 15 and 24mm exposed grid suspensions systems.

- The combination of stitching and ribbing delivers very high stability and torsional strength
- The riveted stainless steel Click-connector audibly clicks in place and can be easily removed when required.
- Butt cut Cross Tee system preferred for precise flush connection of the grid face.
- Joggled Cross Tees override the Main Runners; preventing twisting of the Cross Tees.



## Armstrong PRELUDE

A range of standard 15 and 24mm exposed grid suspensions systems.

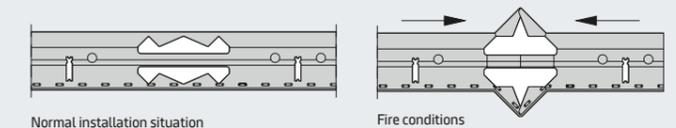
- Peakform: patented design for strength, stability and easier to cut.
- Superlock clip: secure Main Runner connection for better alignment and easier to connect.
- Unique steel based XL<sup>2</sup> ("click" installation) or TL<sup>2</sup> ("hook" installation) clips for strength, fire performance and better alignment.
- Rotary stitched: strength and extra stability.

## Seismic



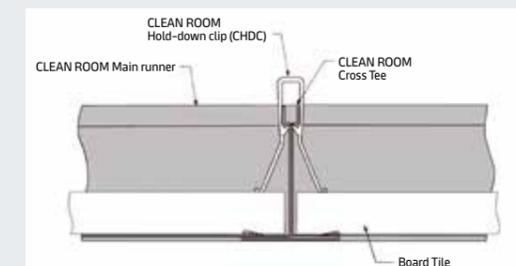
The AMF VENTATEC® Seismic grid system has been tested at the University of Buffalo in New York State under simulated extreme earthquake conditions. The AMF VENTATEC® Seismic grid system was tested together with lighting and ventilation units, in order to replicate a typical suspended ceiling. Different system configurations are available to fulfil the respective regional requirements – taking into account applicable local building regulations, ground conditions as well as the expected intensity of the earthquake.

## Fire Expansion Notch



The AMF VENTATEC® profiles are provided with a fire expansion notch that enables the metal to expand in the case of fire. The tiles remain lay in the grid due to the controlled distortion of the fire expansion notch.

## Clean Room



Clean Room 24 is an aluminium construction with an unique co-extruded flexible PVC gasket to create a better seal between tile and grid for clean room applications and "non-magnetic" environments.

- Aluminium construction: non-magnetic system with high corrosion resistance.
- Co-extruded gasket: better seal between tile and grid.
- Class 3 performance as per ISO standard 14644-1.
- Durability Class B (EN 13964).

# A Selection of Middle East Projects

## Education

### U.A.E.

- Abu Dhabi Future School
- Al Mamoura School
- Arcadia School
- Dubai School College
- Iranian School
- Master Training Facility
- Repton School
- Secondary Technical School
- Sobha Hartland School
- University of Dubai
- Sorbonne University
- Dubai School, Al Barsha
- Dubai School, Al Khawaneej
- Manipal University
- GEMS Wellington School
- German School
- Zayed University
- Kings College Hospital

### SAUDI ARABIA

- Abha University
- Dammam University
- King Abdul Aziz University (Phase 1)
- King Faisal University
- King Khalid University
- King Saud Bin Abdelaziz University for Health Sciences
- KFUPM (Building 4)
- Mayasem Primary School

### MISK School

- Princess Noura Bint Abdulrahman University
- Technical & Vocational Training Corporation
- Technical College (Phase 1 & 2)
- Yanbu University College
- Tatweer Schools (60 public schools in Madina) (Wave 2)

### QATAR

- ABM Military College
- Andalus School
- Arab International Academy
- Ashghal School
- College of Engineering
- Doha British School
- FDTA Facility, Hamad
- Ghuwairiyah School
- ISF Correctional Facilities
- MOI Police College
- Palestinian School
- Qatar Academy Future School
- Qatar Future School
- Qatar University
- Unified School

### KUWAIT

- Academic Support Facility
- American International University
- Bader Al Mulla Secondary School
- College for Business
- College for Women

### College of Law, Sharia – Kuwait University

- Secondary Schools

### OMAN

- American British Academy
- Bowsher College
- Cheltenham School
- Knowledge Of Muscat (KOM)
- Military Training College
- Oman LNG International School
- Sultan Qaboos University

### BAHRAIN

- Al Ruwad School – Hamala
- Hawar International School – Riffa
- IBN Khaldoun School Expansion
- Saint Christopher School (Phase 1 & 2)

### JORDAN

- Rosary School
- School for A Knowledge Economy (USAID)

### LEBANON

- University of Alba

## Office

### U.A.E.

- Amazon Falcon Office
- Capricorn Tower
- Dubai Silicon Oasis
- EREC, Ministry of Interiors
- Facebook Office
- Global Gateway
- Gulf News Building
- KEO Office, Rolex Tower
- Palm Tower Jumeirah
- Nation One Towers
- Sparkle Tower
- Supreme Council

### SAUDI ARABIA

- Abalkhair Business Centre
- Abdul Azizi A. Aba AlKhail Commercial Offices
- Al Bustan & Emaar
- Al Midra Tower, Aramco
- Al Rajhi Capital Building
- Chamber of Commerce
- ITCC Towers (Phase 1 & 2)
- King Abdullah Project (KAP1,2B,4)
- Petrokemia
- SAMA Headquarters
- SEC Headquarters Building Complex
- Tadawul Tower, KAFD
- Saudi Research & Media Group

### QATAR

- Al Huwaila Tower
- Al Jabor Office Building

### Asset Affairs Office Building

- Business Incubation Park QFZ
- Falcon 5
- German Embassy
- Globex
- Lusail Command & Control Centre
- Lusail Commercial Boulevard
- Lusail Katara Tower
- Lusail Tower
- Ministry of Defence
- Ministry of Interior
- Panorama Tower
- Qatar Petroleum District
- Qatar Petroleum Headquarters
- Qatar Shell Doha Office
- Tadmur Headquarters

### KUWAIT

- Criminal Evidence Office
- Hawali Police Complex
- LSC Offices

### OMAN

- Ministry of Education
- Ministry of Legal Affairs
- Ministry of Manpower

### BAHRAIN

- EWA Control Centre

### JORDAN

- Ministry of Finance

## Transport

### U.A.E.

- Dubai International Airport (Concourse 4)
- Dubai International Airport (Expansion)
- Horse Quarantine – Airport Expansion
- Dubai International Airport (Terminal 3)
- Dubai Metro Green Line
- Khalifa Port
- World Central Airport – Maktou, International

### SAUDI ARABIA

- King Khalid Air Base
- Riyadh Metro (Line 1 Transfer Station 1F4)
- Tabuk Air Base

### QATAR

- Al Udeid Air Base
- American Air Base
- Doha Metro Line North
- Doha Port Redevelopment
- Dukhan Airport
- Emiri Naval Base
- Falcon 5
- Lusail Bus Depot
- New Naval Base

### KUWAIT

- Kuwait International Airport (Terminal 2)

### OMAN

- Muscat International Airport
- Oman Maritime Security Centre
- MC12 MRO Cargo Facility

### BAHRAIN

- Gulf Aviation

## Healthcare

### U.A.E.

- Al Ain Hospital
- Al Amal Psychiatric Hospital
- Al Noor Hospital Extension
- Al Silaa Hospital
- Arzanah Medical Complex
- Burjeel Medical City
- Cleveland Clinic Oncology Centre
- Dar Al Shifa Hospital
- Das Island Res Dev Hospital
- Ghayati Community Hospital
- Kings College Hospital
- Loucie Lois School
- Mafraq Dialysis Centre
- Master Training Facility
- National Rehabilitation Centre (NRC)
- Tawam Hospital

### SAUDI ARABIA

- Al Dara Hospital & Medical Centre
- John Hopkins Aramco Healthcare
- King Abdul Aziz Hospital, Riyadh
- Long Term Acute Care & Rehabilitation Hospital
- SANG Hospitals
- Soliman Fakeeh Hospital
- Tarouk Hospital

### QATAR

- Armed Forces Combined Clinic
- Diabetic Hospital
- Health & Wellness Centre
- Health is Wealth
- HMC Orthopaedic Clinic
- Naufar Hospital
- Qatar Health Centres
- T.B. Unit
- Tenbek Hospital
- West Bay Medical Clinic

### KUWAIT

- Ghernata Rehabilitation Centre
- Infection Disease Hospital
- Kuwait Cancer Centre
- Mussaed Al-Saleh Health Centre (MOH)
- New Al Jahra Hospital
- Safat American Hospital

### OMAN

- Oman Medical College

### BAHRAIN

- Al Rabeeh Medical Centre

### JORDAN

- Clemenceau Medical City (CMC)

### IRAQ

- Kuwait Surgical Complex Hospital, Basra

## Others

### U.A.E.

- BAPS Hindu Mandir
- BMW Mini Cooper Showroom
- Bollywood Theme Park
- Citi Bank
- CoEx Campus Expo 2020
- DHCC Hotel
- Eataly Restaurant, Dubai Hills
- Etihad Stadium
- Ferrari World Experience
- First Gulf Bank Arena
- IKEA Distribution Centre, DWC
- Julius Baer
- One Za'abeel Louvers
- Presidential Palace, Abu Dhabi
- Royal Atlantis Resorts & Residences
- The Green Planet
- UAE Muay Thai Kick Boxing Federation
- Warner Bros Theme Park
- World Expo 2020

### SAUDI ARABIA

- Al Rajhi Bank
- Food Factory
- IKEA Store
- INDUI Data Centre
- Security Unity & Security Forces
- Radisson Blu Hotel

### QATAR

- Al Meera Store
- Al Thumama Stadium
- BPC Gym
- BPC Gym Refurbishment
- D.C. Foxhill

### Dibba Hotel & Resort

- Doha Expo
- Doha North Sewage Treatment
- Dohalive Hotel
- Dream Hotel
- Emiri Signal Corp
- Family Consulting Centre
- Frequent Flyer Lounges
- Harvey Nichols
- Intercontinental Hotel
- ISF Correctional Facilities
- ISF Shooting Range
- Lusail Iconic Stadium
- Lusail Real Estate REEF
- Marriott Hotel Renovation
- Musherieb Downtown (Phase 4)
- NFE 12A & 12B
- Nissan Showroom
- North Node Lounge & Hotel
- Qatar Olympic Sports Museum
- Qatar Petroleum PS 4 Offshore Drilling
- Qatar Shell Peal
- Qetaifan Hotel (Package 5)
- Qetaifan Water Park (Package 1)
- Ras Laffan
- RasGas
- Remote Access Facility, HIA
- Royal Plaza
- Senior Club, Ras Gas, Al Khor
- Toyota Showroom
- VOX Cinema, DFC

### KUWAIT

- 360 Mall
- Al Hamra & Firdous Mixed Use Development
- Arkan Tennis Complex
- BMW Showroom
- British Council
- Coast Guard Headquarters
- Kazna Camp
- KNPC
- National Guard
- Palace of Justice
- The Scientific Centre of Kuwait
- The Warehouse Mall
- Union Co-operative Society
- V W Showroom

### OMAN

- City Centre Cinema
- Data Centre - Suhail Bahwab Group
- Jabal Al Akhdar Resort Hotel
- Kempinski Hotel
- Muscat Grand Mall Garden
- Oman Oil Refinery & Petroleum
- Permanent Accommodation for Contracting
- Royal Oman Police, Thumrait Prison
- Saraya Bandar Jissah

### BAHRAIN

- Bahrain Financial Harbour
- Bahrain The Avenues
- EWA Pump Stations

### GEMS Building, Al HIDD

- HIDA
- Kempinski Hotel, Bahrain City Centre
- Noor Al Diyar
- Sofitel Resort Hotel
- Sorting Post Office, Al HIDD
- Standard Chartered Bank
- Water Treatment Plant
- WWTP – BAPCO – Awali

### JORDAN

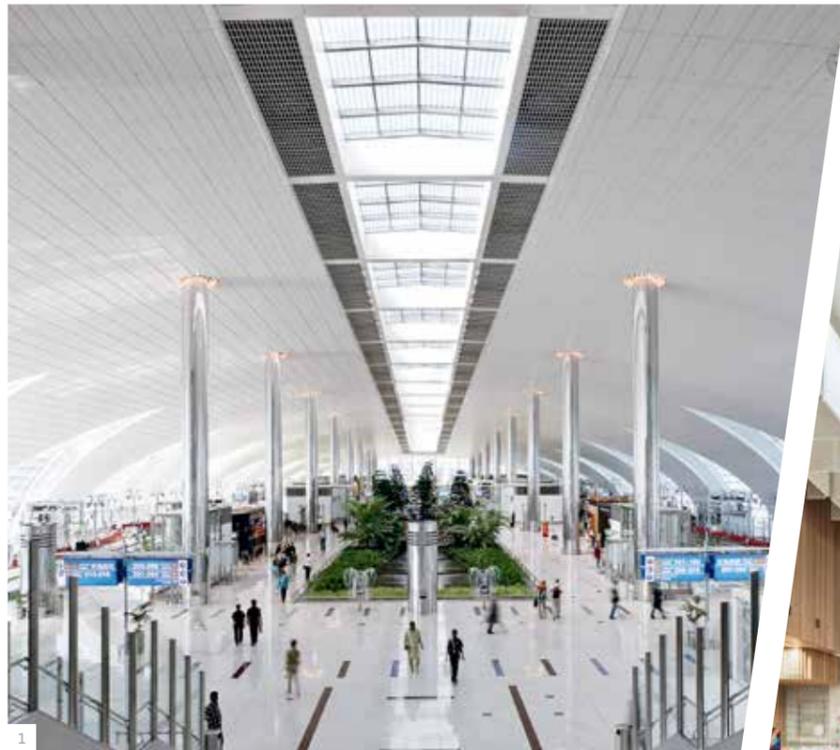
- KADDB
- Ritz Carlton Hotel & Residences

### LEBANON

- BCD Cinemas
- Hotel-Dieu de France

### PAKISTAN

- McDonald's Store



1



3



2

- 1 Custom METAL Wallcoustic Horizon 1100  
(Dubai International Airport, Dubai, UAE, © Beppe Raso)
- 2 PERLA OP 0.95 Board  
(Wilhelmina Hospital, Assen, Netherlands, © Mitch van Leeuwen)
- 3 Custom MINERAL Baffle Element  
(Centre for Research & Interdisciplinarity, Paris, France, © StudioVU)
- 4 METAL R-H 200, Rg 0701, RAL 9016  
(Sihlcity Mall, Zurich, Switzerland, © David Willen)
- 5 MEDIGUARD Acoustic, Board  
(UVN SNP Hospital, Ružomberok, Slovakia, © Jakub Joachim)
- 6 HERADESIGN® Superfine, Natural colour  
(University of Stirling, Scotland, United Kingdom, © Alan McAteer)
- 7 ELEGANZA, RAL 1024  
(PLÜ Restaurant, Grand Casino, Baden, Switzerland, © Fotografie René Rötheli, Baden)

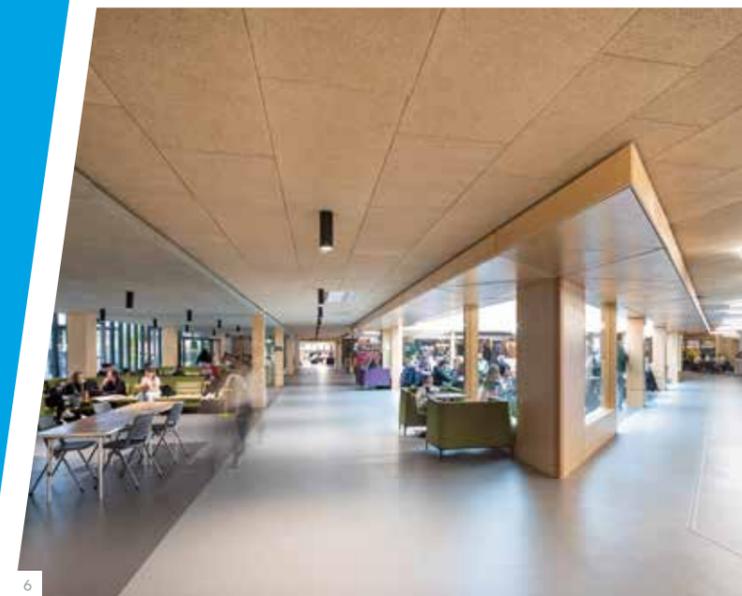


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# Create Spaces to Inspire



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***Build on us.***

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