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EXPERIENCE MINERAL SOLUTIONS







Experience More Innovation

WITH FUNCTIONAL, NATURAL AND SUSTAINABLE MINERAL SOLUTIONS

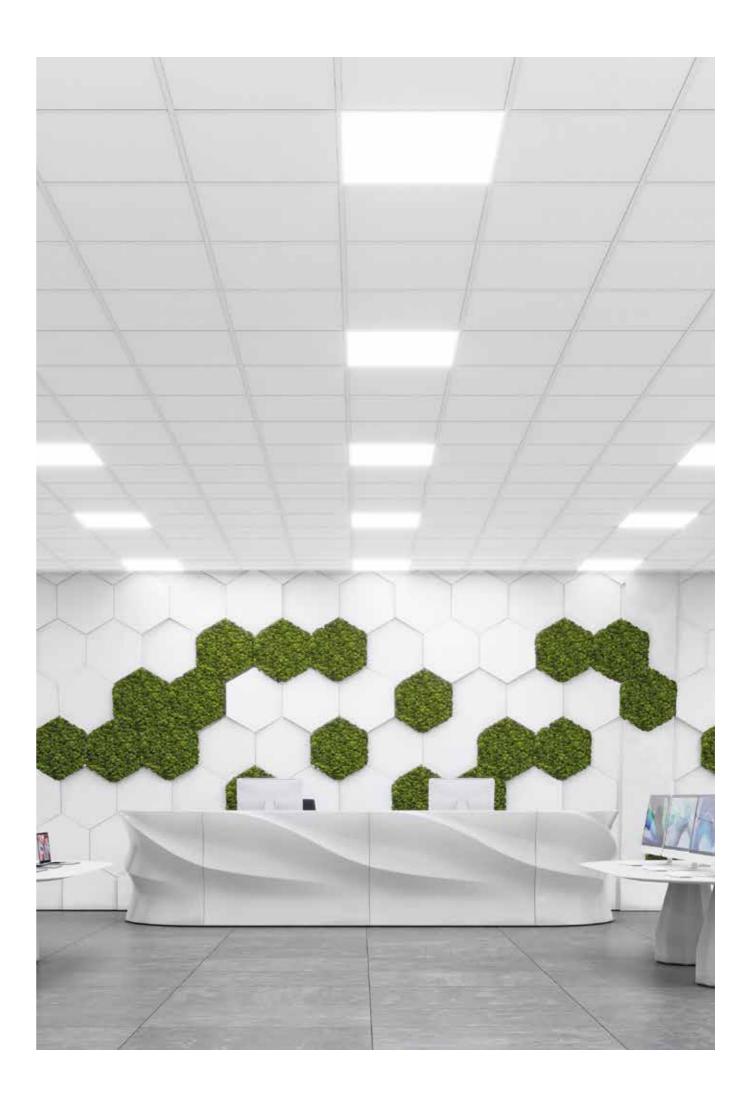
We believe that the ceiling is an integral part of every interior space. It helps give us a wonderful sense of well-being and safety. A seamless connection between form and function, it enhances and protects the spaces in which we live, work, recover and grow. It balances acoustics, provides healthy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

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

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

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

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



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Production Network

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EXPERIENCE OUR LARGE AND COMPREHENSIVE NETWORK

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

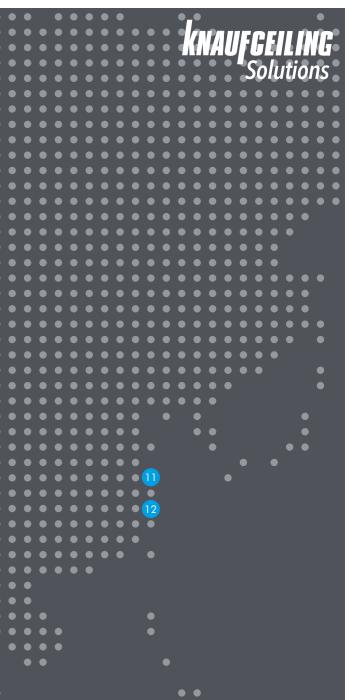


EMEA

- 01 Grafenau (DE) Mineral & Grid
- 02 Viersen (DE) Grid
- **03** Stafford (UK) Metal
- **04** Pontarlier (FR) Mineral
- 05 Valenciennes (FR) Grid
- 06 Dreux (FR) Grid
- 07 Ferndorf (AT) Wood Wool
- 08 Rankweil (AT) Metal

Mineral

Slitting



09 Antwerp (BE) 10 Alabuga (RU)



APAC

- 11 Wujiang (CN) Mineral
- 12 Shanghai (CN) Grid
- 13 Pune (IN) Grid



DEFINITION OF TECHNICAL PERFORMANCE ICONS

SOUND ABSORPTION

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



SOUND ABSORPTION CLASS

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



FIRE REACTION

Reaction to fire classification in accordance with EN 13501-1 expressed as Euroclass (A1 - F).



HUMIDITY RESISTANCE

Maximum relative humidity conditions for installation and lifetime of ceiling.





reflected back off the product, when tested in accordance with EN ISO 7724-2 and 3.



LIGHT DIFFUSION

The percentage of reflected light which is diffused.

INDOOR AIR QUALITY

Knauf Ceiling solutions designed to limit the number of airborne particles in a clean room environment are tested against ISO 14644-1 and classified with an ISO class.

AIR PERMEABILITY

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



RECYCLED CONTENT

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



CERTIFIED CRADLE TO CRADLE

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

EDD	
CPU	

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

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



M1 CLASSIFICATION

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

VOC

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

FORMALDEHYDE (E1)

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

BLUE ANGEL

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

www.blauer-engel.de/uz132

ISO 9001

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



THERMAL CONDUCTIVITY

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



EDGE DETAILS

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



THICKNESS

Indicates the thickness for the ceiling tile of reference.



DIMENSIONS

Indicates the sizes available for the ceiling tile of reference.



SYSTEMS

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

CLEANING AND DISINFECTION

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



Wipeable with a dry cloth / soft brush.



Wipeable with a moist cloth.



Washable with a sponge dampened in water containing mild soap or diluted detergent.

Can be cleaned using a high pressure water spray.



Can be cleaned using focus compressed air.



Can be cleaned with specific disinfectants commonly used in healthcare premises.

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



COLOURS Custom colours available for products with this icon.



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



SCRATCH RESISTANCE

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



PRODUCT HANDLING & DURABILITY

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

CE MARKING

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

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

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

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

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

ACOUSTIC TECHNICAL GLOSSARY

WEIGHTED SOUND ABSORPTION COEFFICIENT, α_w

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

SHAPE INDICATOR

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

SOUND ABSORPTION CLASS

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

Sound Absorption Class	a _w
А	0.90; 0.95; 1.00
В	0.80; 0.85
С	0.60; 0.65; 0.70; 0.75
D	0.30; 0.35; 0.40; 0.45; 0.50; 0.55
E	0.15; 0.20; 0.25
Not Classified	0.00; 0.05; 0.10

WEIGHTED SUSPENDED CEILING NORMALISED LEVEL DIFFERENCE, D_{ncw}

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

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

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

WEIGHTED SOUND REDUCTION INDEX, R

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

RAIN NOISE SOUND INTENSITY LEVEL, L

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

SOUND REDUCTION

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

SOUND ATTENUATION

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

NOISE REDUCTION COEFFICIENT, NRC

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



EQUIVALENT ABSORPTION AREA (EAA)

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

ACOUSTICAL SOLUTIONS FOR EVERY SPACE

FIRE REACTION

Meet all expections of acoustical comfort with Knauf Ceiling Solutions

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

BALANCED ACOUSTICS

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

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

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

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

HIGH ATTENUATION

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

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

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

HIGH ABSORPTION

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

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

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

STRUCTURAL FIRE PROTECTION

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

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

INDEPENDENT FIRE RESISTANCE

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

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

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

BUILDING REGULATIONS

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

For more information, please contact us or visit www.knaufceilingsolutions.com



HEALTHY INTERIORS

VISUAL COMFORT



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

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

In certain indoor spaces such as laboratories

in accordance with ISO 14644-1.

SOLUTION

Knauf Ceiling Solutions:

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

CHALLENGE

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

SOLUTION

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

A well-design ceiling with high light reflectance:

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

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

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



It is essential to limit the number of airborne particles by creating a Clean Room-type environment using products certified

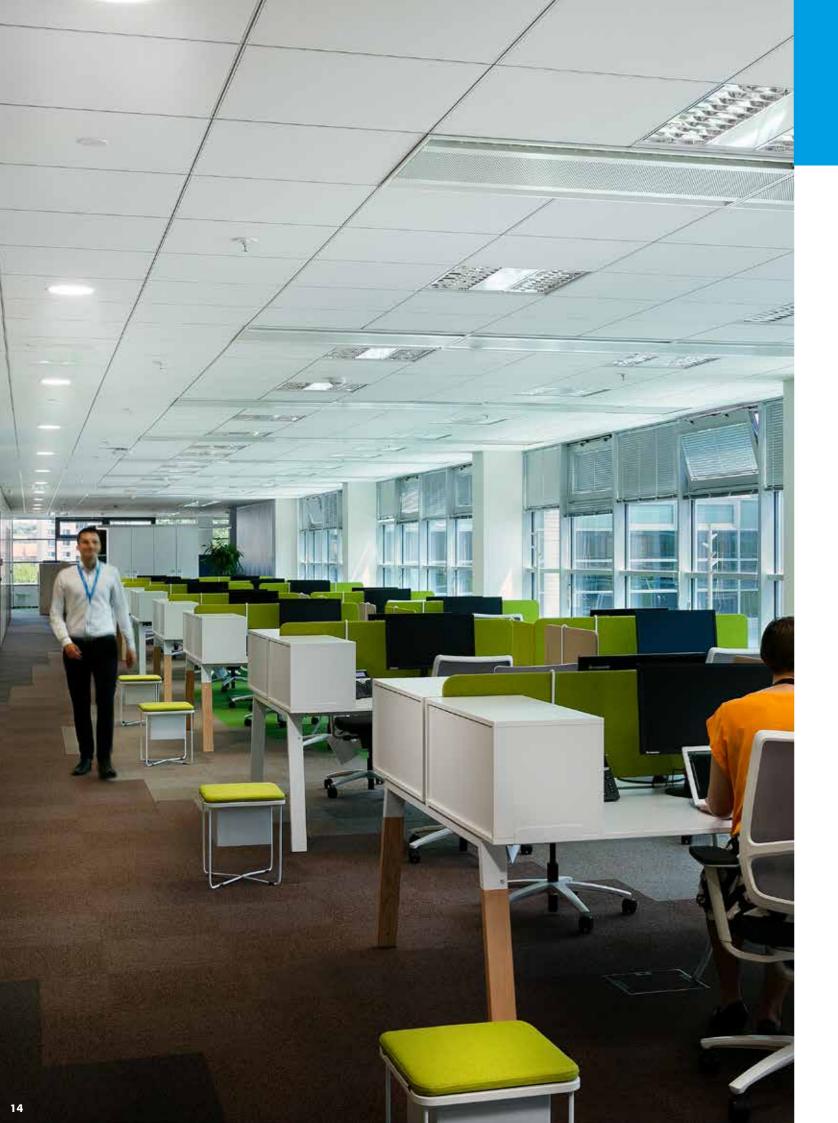
Knauf Ceiling Solutions offers solutions for areas requiring minimal to the most stringent requirements.

Cradle to Cradle™

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







OFFICE

WORKPLACES THAT WORK BETTER

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



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

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

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



EDUCATION

CREATE SPACES TO INSPIRE

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



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

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

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



RETAIL

SHAPING THE RETAIL EXPERIENCE

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



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

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

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



LEISURE & HOSPITALITY

MAKE YOURSELF AT HOME

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



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

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

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



HEALTHCARE

CREATING SPACES FOR HEALING

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



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

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

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



TRANSPORT

ARCHITECTURE THAT MOVES PEOPLE

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



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

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

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

DESIGN

AMF TOPIQ [®] Sonic Element	30	AMF THERMATEX® Line Style	42
AMF THERMATEX® Sonic Arc	32	Armstrong ELEGANZA	44
AMF THERMATEX® Sonic Modern	34	AMF TACET®	46
AMF THERMATEX® Sonic Sky	36	AMF THERMATEX® ALPHA Colour	48
AMF THERMATEX® Baffle	38	Focus: AMF THERMATEX® SYMETRA, AMF THERMATEX® VARIOLINE	50
AMF THERMATEX [®] Line Modern	40		20

SMOOTH WHITE ACOUSTIC

AMF THERMATEX® Alpha	54	AMF THERMATEX® dB Acoustic
AMF THERMATEX® Alpha One	56	AMF THERMATEX® Antaris
AMF THERMATEX® Alpha HD 19mm	58	AMF THERMATEX® Antaris C
AMF THERMATEX® Alpha HD 30/35mm	60	Armstrong SIERRA
Armstrong PERLA	62	Armstrong SIERRA OP
Armstrong PERLA dB	64	AMF THERMATEX® Thermofon
Armstrong PERLA OP 0.95	66	AMF TOPIQ [®] Prime
Armstrong PERLA OP 1.00	68	AMF TOPIQ [®] Efficient Pro
AMF THERMATEX® Acoustic	70	Focus: ULTIMA+ Range

HEALTHCARE & HYGIENE

92	AMF THERM
94	AMF THERM
96	AMF THERM
98	Armstrong N
100	
	94 96 98

AMF THERMATEX® Aquatec	102
AMF THERMATEX® Aquatec Hygena	104
AMF THERMATEX® Thermaclean	106
Armstrong NEWTONE	108

CLASSIC PLAIN

Armstrong PLAIN	112	Armstrong RETAIL	116
AMF THERMATEX [®] Schlicht	114		
CLASSIC SANDED			
Armstrong DUNE Supreme	120	AMF THERMATEX [®] Feinstratos Micro	128
Armstrong DUNE Max	122	AMF THERMATEX® Feinstratos Micro Comple	ete 130

Armstrong DUNE Supreme	120
Armstrong DUNE Max	12
Armstrong SAHARA	124
AMF THERMATEX [®] Feinstratos	12

CLASSIC FISSURED/PERFORATED

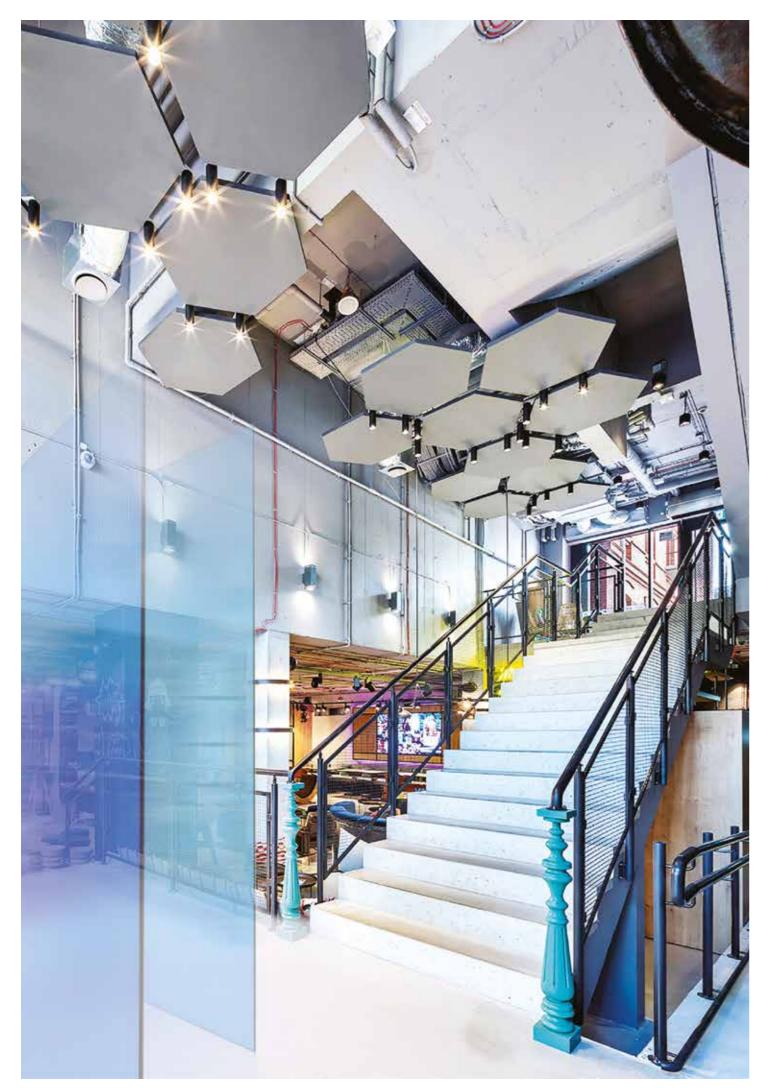
AMF THERMATEX® Star 15mm	136	Armstrong CASA	146
AMF THERMATEX® Star 19mm	138	Armstrong CORTEGA	148
AMF THERMATEX® Star Complete	140	AMF THERMATEX® Feinfresko	150
AMF THERMATEX® Mercure	142	Armstrong TATRA	152
Armstrong FINE FISSURED	144	AMF THERMATEX® Fresko	154

FIRE PROTECTION

AMF THERMATEX® Uno



- Armstrong FERIA



Design





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

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



AMF TOPIQ[®] SONIC ELEMENT



- AMF TOPIQ[®] Sonic element is a frameless and jointless ceiling raft, featuring the AMF TOPIQ® Strong Edge Technology. It also benefits from a fully colour coated face and reverse laminate fleece
- The monolithic ceiling raft design offers excellent sound absorption properties and when installed gives the appearance of a free floating ceiling cloud

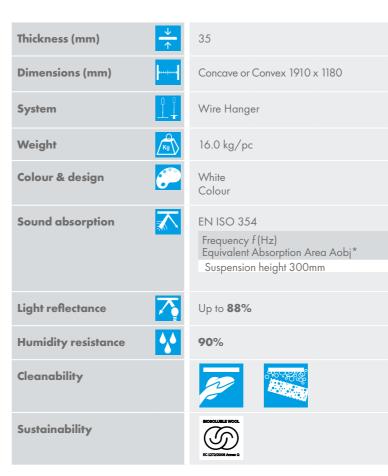
AMF TOPIQ® SONIC ELEMENT

Thickness (mm)	40								
Dimensions (mm) Additional sizes and shapes on request	Trapezoid Hexagon Left Parallelogram Right Parallelogram Square	1170 × 870 1170 × 1013 1170 × 1170 1170 × 1170 1180 × 1180		Rectangle Rectangle Rectangle Rectangle Circle Circle		17 18 23 Øi	00 x 600 80 x 1180 00 x 900 80 x 1180 800 1200		
System	Wire hanger								
Weight Keight	6.0 kg/m²								
Colour & design	White Colour								
Sound absorption	EN ISO 354								
	Frequency f (Hz) Equivalent Absorption	Area Aobj*	125	250	500	1000	2000	4000	
	1180 x 1180 suspension height 1901	mm	0.40	1.20	2.20	2.40	2.40	2.30	
	1780 x 1180 suspension height 1901	mm	0.80	2.10	3.10	3.30	3.50	3.40	
	2380 x 1180 suspension height 190	mm	0.80	2.70	4.20	4.40	4.50	4.30	
	Ø1200 suspension height 150r	mm	0.40	1.00	1.70	1.80	2.00	1.90	
			,	*Values showr	n are the ave	erage of the 3	one third oc	tave band vo	ilu
Fire reaction	Euroclass A2-s1,d0 as	s per EN 13501-1							
Light reflectance	Up to 88%								
Humidity resistance	95%								
Cleanability									
Sustainability									

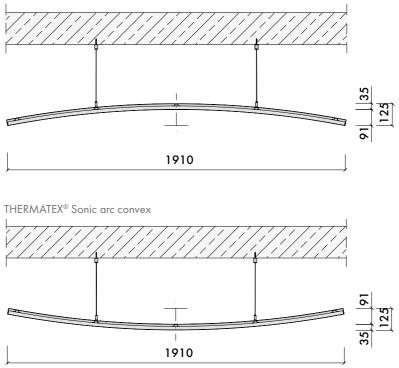
Flexible design and adjustable to various heights using steel cables.

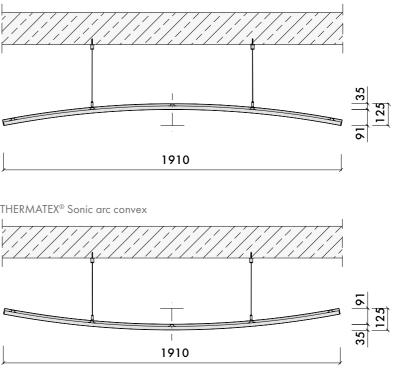












Ceiling rafts are delivered in one piece making them quick and easy to install. Flexible design and adjustable to various heights using steel cables.

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

AMF THERMATEX® SONIC ARC

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



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03/2021

125	250	500	1000	2000	4000	
0.50	1.70	2.20	3.00	3.60	3.80	
*1	Values show	n are the ave	rage of the 3	one third oc	ctave band vo	alues



AMF THERMATEX® SONIC MODERN



• AMF THERMATEX[®] Sonic Modern is a ceiling raft with an aluminium frame. The flexible suspension with fine, steel cables enables the height to be individually adjusted as required

- Available with a standard white laminate surface and can be customised in a variety of colours or bespoke printed motifs on request
- Aesthetically defines spaces in schools, offices leisure centres, retail spaces etc.

AMF THERMATEX® SONIC MODERN

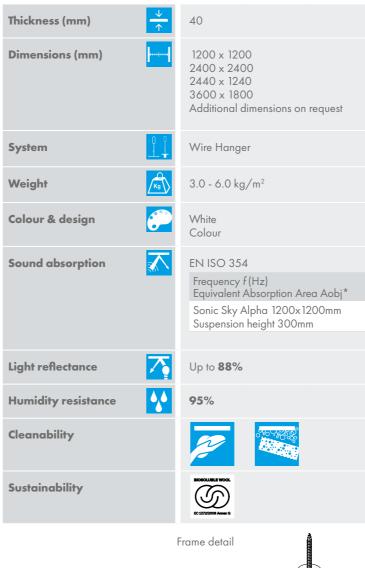
Thickness (mm)	<u>↓</u> ↑	43									
Dimensions (mm)	 	1200 x 600 1200 x 1200 1800 x 1200 2400 x 1200	1200 × 1200 1800 × 1200								
System	ļļ	Wire Hanger	Wire Hanger								
Weight	Kg	1200 x 1200: 10 1800 x 1200: 13	1200 x 600: 5.0 kg/pc 1200 x 1200: 10.0 kg/pc 1800 x 1200: 15.0 kg/pc 2400 x 1200: 20.0 kg/pc								
Colour & design	e	Frame: anodised aluminium, white, RAL colours Sonic Modern Classic: laminate, white Sonic Modern Colour: laminate, black, silver, blue, green, yellow, cream, red, orange and grey Somic Modern Exclusive: laminate with graphic print									
Sound absorption		EN ISO 354									
		Frequency f (Hz Equivalent Abso) prption Area Aobj*		125	250	500	1000	2000	4000	
		1200 x 1200mr Suspension heig			0.50	1.10	1.50	2.10	2.40	2.30	
		2400 x 1200m Suspension heig			0.90	2.00	2.80	3.90	4.30	4.30	
					*1	Values show	n are the ave	erage of the 3	one third o	ctave band vo	alu
Light reflectance	7	Up to 88%									
Humidity resistance	44	95%									
Cleanability											
Sustainability											

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





AMF THERMATEX® SONIC SKY



AMF THERMATEX® SONIC SKY



• AMF THERMATEX[®] Sonic Sky is a flexible ceiling raft system, and is available in a wide range of colours and shapes. The unique design offers architects and designers the opportunity to create exciting ceiling clouds in any interior space. The rafts consist of a self-supporting frame fixed to the ceiling with an adjustable suspension system and are installed with AMF THERMATEX® acoustic ceiling tiles

- AMF THERMATEX[®] Alpha and Alpha HD laminated ceilings are available in a variety of colours, and are ideal for offices, classrooms and learning applications
- Suspension cables are discreet and virtually invisible



Flexible design and adjustable to various heights using steel cables.



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

125	250	500	1000	2000	4000	
0.35	0.85	1.15	1.80	1.95	1.95	
*		.1	[.]. O			

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





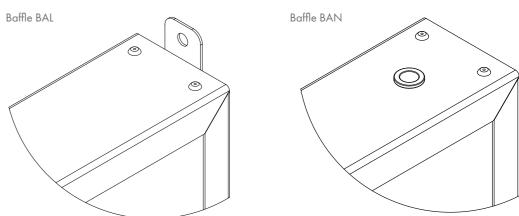
AMF THERMATEX® BAFFLE



- AMF THERMATEX[®] Baffle Classic features an aluminium frame and white laminate surface for a modern linear appearance. THERMATEX® Baffles are also available in a variety of colours or customised graphic prints on request
- Good sound absorption (0.60 0.65(H) α_w): reduce noise levels, increase intelligibility and reduce reverberation time in a space
- Typically used to provide high levels of acoustic absorption in offices, leisure centres, transport hubs, etc

AMF THERMATEX® BAFFLE

Thickness (mm)	50								
Dimensions (mm)	1200 x 300 1200 x 400 1200 x 600 1800 x 400								
System	BAN - with top screw thread BAL - with tab connector								
Weight	1200 x 300: 3.2 kg/pc 1200 x 400: 4.1 kg/pc 1200 x 600: 5.9 kg/pc 1800 x 400: 6.0 kg/pc	200 x 400: 4.1 kg/pc 200 x 600: 5.9 kg/pc							
Colour & design	Frame: anodised aluminium, white, RAL colours Baffle Classic: laminate, white Baffle Colour: laminate, black, silver, blue, green, yellow, cream, red, orange and grey Baffle Exclusive: laminate with graphic print								
Sound absorption	EN ISO 354 α = 0.60(MH) (300mm), 0.65(MH) (600mm) as per EN ISO 11654 - Class C								
	Frequency f (Hz)	125	250	500	1000	2000	4000		
	Baffles 1200 x 300mm α _p Row distances 300mm	0.35	0.40	0.55	0.90	0.90	0.90		
	Baffles 1200 x 600mm α _P Row distances 600mm	0.35	0.35	0.75	1.00	1.00	1.00		
	NRC = 0.65 as per ASTM C 423								
Fire reaction	Euroclass A2-s1,d0 as per EN 13501-1								
Humidity resistance	95%								
Cleanability									
Sustainability									











43

1200 x 600 1200 x 1200 1800 x 1200 2400 x 1200

Eccentric bracket

9.4 kg/m²

 $\frac{\vee}{\uparrow}$

Thickness (mm)

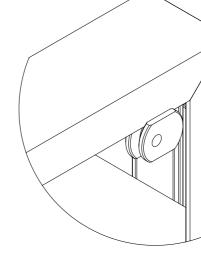
Dimensions (mm)

System

Weight







AMF THERMATEX® LINE MODERN



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

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03/2021

Line Modern Colour: laminate, black, silver, blue, green, yellow, cream, red, orange and grey

125	250	500	1000	2000	4000
0.20	0.60	1.00	0.90	0.80	0.90
0.50	1.10	1.60	1.50	1.50	1.50
0.60	1.90	2.50	2.40	2.20	2.40
1.10	2.20	3.10	3.10	3.00	3.10

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





AMF LINE STYLE

• AMF LINE Style is a printed fabric covered wall absorber with an elegant aluminium frame and can be easily customised using individual patterns or images. The aluminium frame is supplied with an all-round groove into which the printed fabric is inserted. The fabric covering can be easily removed and replaced with a new fabric design, without using any special tools

- Basic light: Lightweight profile for one-sided coverings in small sizes
 Basic ES: Profile for all sizes with one-sided coverings

- Basic DS: Lightweight, slim profile in larger sizes
 For all three versions a highly absorbing acoustic filling is possible

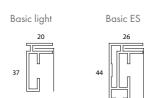


SMF

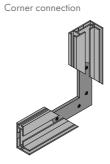
AMF LINE STYLE

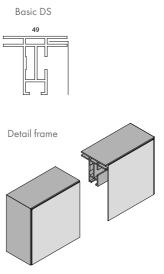
Thickness (mm)	20 - 49						
Dimensions (mm)	600 x 600 1200 x 1200 1800 x 1200 2400 x 1200 2400 x 2400 4000 x 3000						
System	Wall bracket						
Weight	3.0 - 6.0 kg/m²						
Colour & design	Frame: anodised aluminium, white, RAL col Line Style Basic Light: fabric, white or pr Line Style Basic ES: fabric, white or printe Line Style Basic DS: fabric, white or printe	inted d					
Sound absorption	EN ISO 354						
	Frequency f (Hz) Equivalent Absorption Area Aobj*	125	250	500	1000	2000	4000
	1200 x 1200mm (49mm thickness)	0.30	0.90 Values show	1.90 a are the ave	1.90 erage of the 3	1.80 3 one third or	1.60 ctave band values
Humidity resistance	95%				indge er ine e		
Cleanability							
Sustainability							

Profiles cross-sections











ARMSTRONG ELEGANZA[™]



- Armstrong ELEGANZA™ Seamless Acoustics offers a ground breaking new system with a 100% seamless finish featuring an elegant finely textured visual that is durable and stays whiter and brighter for longer. Armstrong ELEGANZA™ Seamless Acoustics delivers Class A acoustical absorption performance so you can have the best of both worlds: outstanding acoustic control and a stunning seamless finish
- Excellent sound absorption (0.95 α_{w})
- Ideal for restaurants, retail and leisure, office, healthcare, education and residential

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ARMSTRONG ELEGANZA[™]

Edge details		Monolithic
Thickness (mm)	<u>↓</u>	25
inickiio35 (ininy	↑	25
Dimensions (mm)	•···i····>	2400 x 1200
System		Monolithic - Eleganza™
Weight		3.9 kg / m²
Colour	e	White
Sound absorption		EN ISO 354 α _w = 0.95 as per EN ISO 11654 - C Frequency f (Hz)
		α _p
		NRC = 0.90 as per ASTM C 423
Sound attenuation		EN ISO 10848-2 D _{n,f,w} = 30 dB as per EN ISO 717-1
Sound reduction	¥	EN ISO 10140-2 R _w = 15 dB as per EN ISO 717-1
Fire reaction	ক্ত	Euroclass A2-s1, d0 as per EN 135
Light reflectance		81%
Thermal conductivity	A	λ = 0.040 W/m K as per EN 126
Humidity resistance	\$ \$	95% RH
Indoor air quality		A E1
Cleanability		Z
Sustainability		EN ISO 14021

20%

Class A							
lass A	125	250	500	1000	2000	4000	
	0.45	0.75	0.95		1.00		
501-1							
67							



AMF TACET®

- AMF TACET[®] is an acoustic ceiling system featuring a seamless, homogeneous appearance. The mineral tiles are supplied with blind holes and an acoustic fleece, providing high levels of acoustic absorption. The system offers the advantage that the joints do not have to be leveled out. AMF TACET[®] is available in white as well as a variety of colour options to create unique, beautiful spaces \$0 9007 \$0 1400
- High sound absorption (0.80 (H) α_w)
- Good sound attenuation (36 dB)
- ISO 4
- Ideal for hotel lobbies, foyers, restaurants, cafes, museums, swimming pools



Edge details	Rabbet
Thickness (mm)	Thickness Base Board = 24mm Thickness of the finished ceiling = 28m
Dimensions (mm)	1600 × 580 The dimension refers on the Base Boa
Weight	Weight of the Base Board = 8.4 kg / Weight of the whole system = 11,5 kg
Colour 🔅	White
Other colours on request	
Sound absorption	EN ISO 354 α _w = 0.80 (H) as per EN ISO 11654 Frequency f (Hz)
	NRC = 0.80 as per ASTM C 423
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 36 dB as per EN ISO 717-1
Fire reaction	Euroclass A2-s1, d0 as per EN 1350
Thermal conductivity	λ = 0.075 W/m K as per EN 1266
Humidity resistance	95% RH
Clean room	ISO 4 as per EN ISO 14644-1
Indoor air quality 🔂 🔂	E1
Cleanability	P
Sustainability	43% finished surface

ard, the TACET[®] system itself is jointless.

m² $/m^2$

Λ	_	C	~	: 6	C
-		-	G 2		-

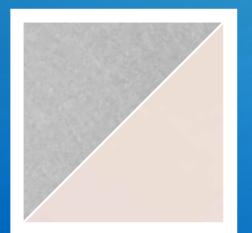
125	250	500	1000	2000	4000
0.40	0.55	0.75	0.90	0.90	0.95

01-1





AMF THERMATEX® Alpha Colour



- AMF THERMATEX[®] Alpha Colour provides a modern appearance and is the optimal solution for spaces that require outstanding sound absorption. In addition to a white or black laminate finish, the acoustic range is also available in cream, silver, blue, orange, red, grey, yellow and green
- Excellent sound absorption (0.95 α_w)
- Ideal for offices, restaurants, cinemas, classrooms and learning applications



AMF THERMATEX® ALPHA COLOUR

Edge details		Board
Additional edge details on request		
Thickness (mm)	<u>↓</u>	19
Dimensions (mm) Additional sizes on request	 	600 x 600 625 x 625 1200 x 600
System		Exposed demountable - System C Exposed - Bandraster, demountabl Exposed - Corridor, demountable -
Weight	Kg	3.3 kg / m²
Colour	e	Black Silver Cream Grey
Sound absorption		EN ISO 354 $\alpha_w = 1.00$ as per EN ISO 11654 - $\alpha_w = 0.95$ as per EN ISO 11654 - Frequency f (Hz) α_p Black Frequency f (Hz)
		α _p Other colours
Sound attenuation		NRC = 0.90 as per ASTM C 423 EN ISO 10848-2 D _{nfw} = 28 dB as per EN ISO 717-
Sound reduction	¥.	EN ISO 10140-2 R _w = 14 dB as per EN ISO 717-1
Fire reaction	E	Euroclass A2-s1, d0 as per EN 13
Thermal conductivity	A	λ = 0.040 W/m K as per EN 12
Air permeability	TÎÎT	PM1 (≤ 30 m ³ /hm ²) as per DIN 1
Humidity resistance	\$	95% RH
Indoor air quality	=	A+ E1
Cleanability		
Sustainability		возолите ноок возолите ноок возолите ноок возолите но кноск возолите но кноск возолите но кноск 43% возолите но кноск возолите но кноск







EXPERIENCE MORE POSSIBILITIES



AMF THERMATEX® Varioline

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

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

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

Choose from any of the following solutions - AMF THERMATEX[®] Varioline Motif, Varioline Metal, Varioline Wood and Varioline Urban Style to meet the acoustic, aesthetic and fire performance needs of your project.

AMF THERMATEX® Symetra

Creating an extraordinary architectural ceiling design that embraces modernity, this diverse, plasterboard / gypsum like ceiling with a variety of linear, perforated rows, offers the acoustic benefits of a mineral ceiling, providing good sound absorption for better acoustic comfort.

AMF THERMATEX[®] Symetra Rg 4-16 and Symetra Rg 4-10 also achieves a fire protection rating of REI 30 - REI 90.



Varioline Motif



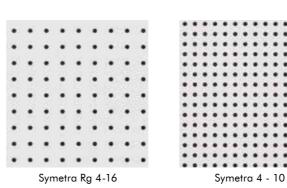
Varioline Metal







Varioline Urban Style







Smooth White Acoustic

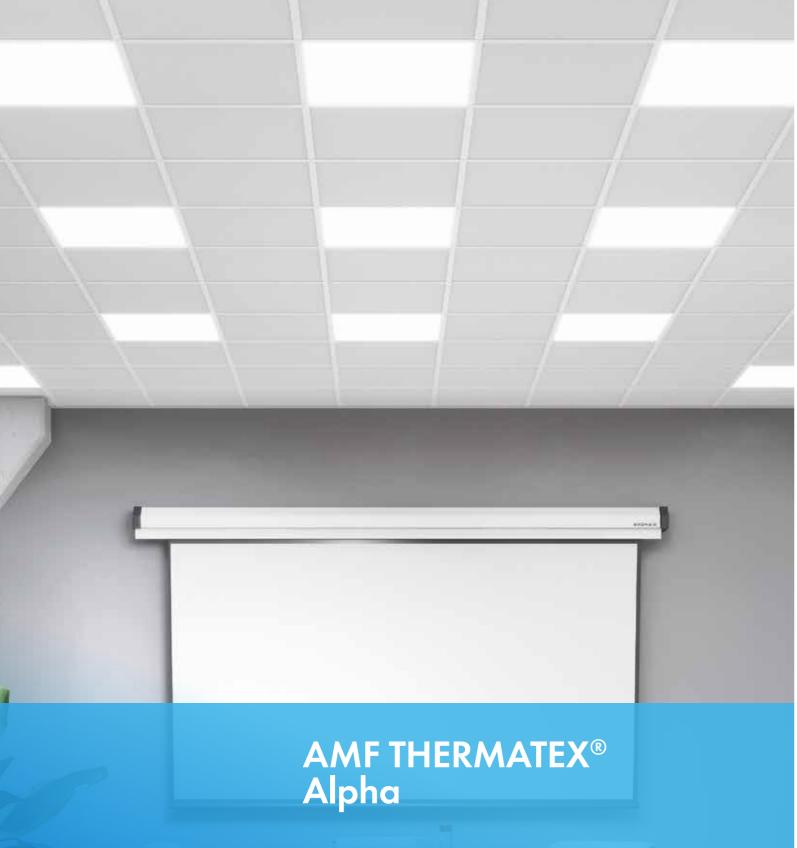
THE SMOOTH WHITE ACOUSTIC RANGE HAS THE WIDEST CHOICE OF EDGES, MODULES AND ACOUSTIC OPTIONS.

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









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

AMF THERMATEX® ALPHA

Edge details	Board	Tegular 24/90		Tegular 15,	/90	
Additional edge details on request					I	
Thickness (mm)	19	19		19		
Dimensions (mm) Additional sizes on request	600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600		600 x 600 625 x 62 1200 x 60	5	
System	Exposed demountable - System C Exposed - Bandraster, demountab Exposed - Corridor, demountable	ole - System I.3				
Weight	3.3 kg / m²					
Colour	White					
Sound absorption	EN ISO 354 α _w = 0.95 as per EN ISO 11654 -	Class A				
	Frequency f (Hz)		25 250	500 100		4000
	α _P NRC = 0.90 as per ASTM C 423	0.	50 0.80	0.90 0.9	20 1.00	1.00
Sound attenuation		-]				
Sound reduction	EN ISO 10140-2 R _w = 14 dB as per EN ISO 717-1					
Fire reaction	Euroclass A2-s1, d0 as per EN 1	3501-1	RUS KM1 (G1, V1, D1,	T1) as per FZ	123
Light reflectance	88%					
Thermal conductivity	λ = 0.040 W/m K as per EN 12	2667				
Air permeability	PM1 (≤ 30 m³/hm²) as per DIN	18177				
Humidity resistance	95% RH					
Clean room	ISO 4 as per EN ISO 14644-1					
Indoor air quality	A+ E1					
Cleanability						
Sustainability	ВОЗСИВИЕ МООК ВОЗСИВИЕ МООК ВС 1272/2008 Ание О 43%		er-engel.de/uz132			





AMF THERMATEX® Alpha One

- AMF THERMATEX[®] Alpha One offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption
- Excellent sound absorption (1.00 α_w)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications

AMF THERMATEX® ALPHA ONE

Edge details	Board
Additional edge details on request	
Thickness (mm)	24
Dimensions (mm) Additional sizes on request	600 x 600 625 x 625
System	Exposed demountable - System C Exposed - Bandraster, demountable Exposed - Corridor, demountable -
Weight	4.0 kg / m²
Colour	White
Sound absorption	EN ISO 354 $\alpha_w = 1.00$ as per EN ISO 11654 - Frequency f (Hz)
	α _P NRC = 1.00 as per ASTM C 423
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 29 dB as per EN ISO 717-7
Sound reduction	EN ISO 10140-2 R _w = 17 dB as per EN ISO 717-1
Fire reaction	Euroclass A2-s1, d0 as per EN 13
Light reflectance	88%
Thermal conductivity	λ = 0.040 W/m K as per EN 12a
Air permeability	PM1 (≤ 30 m³/hm²) as per DIN 18
Humidity resistance	95% RH
Clean room	ISO 4 as per EN ISO 14644-1
Indoor air quality	A+ E1
Cleanability	
Sustainability	BOSCILIELE WOOL EN ISO 14021 43%



Tegula	ır 24/9(C		Tegulo	ar 15/90			
Î				(Ĵ L			
24	<u> </u>			-+-	5			
24				24				
600 x 625 x				600 > 625 >				
e - Syste System	m I.3 F.3							
Class A		10.5	050	500	1000	0000	1000	
		125 0.55	250 0.85	500 1.00	1000 0.95	2000 1.00	4000 1.00	
501-1			RUS KM1 ((G1, V1	, D1, T1)	as per FZ	123	
67								
3177								
> FOR BUILT		SUIE ANGR						
	www.bla	auer-enge	I.de /uz132					



AMF THERMATEX® Alpha HD 19mm

- AMF THERMATEX[®] Alpha HD 19mm offers a modern, white appearance and is the optimal solution for spaces that need a combination of excellent sound absorption and good sound attenuation
- Excellent sound absorption (SL2: 0.90 a_w Finesse: 0.95 a_w)
- Good sound attenuation (34 dB; SL2)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms, learning applications and corridors

AMF THERMATEX® ALPHA HD 19MM

idge details	SL2 Ĵ
Additional edge details on request	
Thickness (mm)	19
Dimensions (mm) Additional sizes on request	1800 x 300
System	Semi-concealed planks, demountal Semi-concealed planks - Bandraste Semi-concealed - Corridor, demou
Weight 🔀	5.2 kg / m²
Colour 🧭	White
Sound absorption	α _w = 0.90 as per EN ISO 11654 - 0 Frequency f (Hz)
	$\alpha_{p} = 0.95$ as per EN ISO 11654 - 0
	Frequency f (Hz)
	α_p Finesse
Sound attenuation	NRC = 0.85 as per ASTM C 423 EN ISO 10848-2
Sound reduction	D _{n,f,w} = 34 dB (SL2) as per EN ISC EN ISO 10140-2 R _w = 17 dB as per EN ISO 717-1
Fire reaction	Euroclass A2-s1, d0 as per EN 13
.ight reflectance	88%
Thermal conductivity	λ = 0.060 W/m K as per EN 126
Air permeability	PM1 (≤ 30 m³/hm²) as per DIN 18
Humidity resistance	95% RH
Clean room	ISO 4 as per EN ISO 14644-1
ndoor air quality 📑	A+ E1
Cleanability	
Sustainability	ВОЗСИЛИЕ И МОСК ВОЗСИЛИЕ И МОСК БС 1272008 Амик О 38%



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			Finesse		_		
			17				
			600 x 600				
ble - System I.3 er, demountable intable - System	e - System	1.2	Concealed, o	demount	able - Syst	em A.2 / A	4.3
Class A							
	125	250	500	1000	2000	4000	
	0.45	0.70	0.80	0.90	1.00	1.00	
Class A							
	125	250	500	1000	2000	4000	
	0.55	0.75	0.85	0.95	1.00	1.00	
D 717-1							
501-1		RU	IS KM1 (G1,	, V1, D1	, T1) as pe	er FZ 123	
667							
8177							





AMF THERMATEX® Alpha HD 30/35mm

- AMF THERMATEX[®] Alpha HD 30/35mm offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption and sound attenuation
- Excellent sound absorption (0.90 α_{w})
- Excellent sound attenuation (40 dB: Board, Tegular 15/90 -42 dB: Tegular 24/90)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications



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AMF THERMATEX® ALPHA HD 30/35MM

		-									
Edge details		Board		Tegu	ular 15/90)		Tegu	lar 24/90		
Additional edge details on request				- 81				8			
Thickness (mm)	↓ ↑	30, 35		30				35			
Dimensions (mm) Additional sizes on request	 	600 x 600		600	x 600			600	x 600		
System		Exposed demo Exposed - Bar Exposed - Cor	ndraster, demo	ountable - S							
Weight	Kg	8.2 kg / m² (3 9.5 kg / m² (3	30mm) 35mm)								
Colour		White									
Sound absorption		EN ISO 354 $\alpha_{w} = 0.90 \text{ as}$ Frequency f (I α_{p} α_{p} NRC = 0.90 (Hz) Board, T Board, T	Tegular 15/9 Tegular 24/9	20 (30mm) 20 (35mm)	125 0.55 0.35	250 0.70 0.65 NRC =	500 0.85 0.85 0.85 (35	1000 1.00 1.00 5mm) as p	2000 1.00 1.00 mer ASTM (4000 1.00 1.00 C 423
Sound attenuation		EN ISO 1084 D _{n,f,w} = 40 dB	8-2							per EN ISC	
Sound reduction	¥	EN ISO 10140 R _w = 22 dB (3		en iso 717	7-1		R _w = 2	5 dB (35r	mm) as pe	er EN ISO	717-1
Fire reaction	<u>F</u>	Euroclass A2 -	s 1, d0 as per	r EN 13501	- 1		RUS K	M1 (G1,	V1, D1,	T1) as per	FZ 123
Light reflectance		88%									
Thermal conductivity	A	λ = 0.060 W	/m K as per	EN 12667							
Air permeability	TÎÎT	PM1 (≤ 30 m	³/hm²) as per	r DIN 18177	7						
Humidity resistance	\$	95% RH									
Clean room	*	ISO 4 as per	en ISO 1464	14-1							
Indoor air quality	+	A+	EN 13964								
Cleanability		Z	⁰ २०२२ २०२२ २०२२								
Sustainability		2% EN 150 14021 39%	BIOSOLUBLE WOOL C 1272/2008 Arms G	MING CASE	www.	blauer-engel.	de /uz132				







ARMSTRONG PERLA

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

ARMSTRONG PERLA

Edge details	Board	Tegular 24				ar 15/90		
Additional edge details on request	Î					6 		
onrequest	<u> </u>					15		
Thickness (mm)	17	17			17			
Dimensions (mm)	600 x 600	600 x 600			600 >	x 600		
Additional sizes on request								
System	Exposed demountable - System C Exposed - Bandraster, demountab Exposed - Corridor, demountable	ole - System I.3						
Weight 📩	4.6 kg / m²							
Colour	White							
Sound absorption	EN ISO 354 α, = 0.65(H) as per EN ISO 116	54 - Class C						
	Frequency $f(Hz)$		125	250	500	1000	2000	4000
	α _P		0.40	0.45	0.60	0.80	0.90	0.90
	NRC = 0.70 as per ASTM C 423							
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 36 dB as per EN ISO 717	-1						
Sound reduction	EN ISO 10140-2							
Sound reduction	R _w = 18 dB as per EN ISO 717-1							
Fire reaction	Euroclass A2-s1, d0 as per EN	13501-1		RUS KM1	(G1, V1	, D1, T1)	as per FZ	123
Light reflectance	88%							
Thermal conductivity	λ = 0.060 W/m K as per EN 12	2667						
Air permeability	PM1 (≤ 30 m³/hm²) as per DI	N 18177						
Humidity resistance	95% RH							
Clean room	ISO 5 as per EN ISO 14644-1							
Indoor air quality 🔒 🔒	Image: Non-State Image: Non-State A+ E1							
Cleanability		2						
Sustainability	Image: State	W SNIGT	blauer-enge	l.de/uz132	стадетос			



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ARMSTRONG PERLA dB

• Armstrong PERLA dB is a C2C Bronze certified range with a smooth laminated finish providing enhanced sound attenuation performance for improving the privacy between adjacent spaces

- Good sound absorption (0.60(H) α_{w})
- Excellent light reflectance (88%)
- ISO 5
- Ideal for individual offices

ARMSTRONG PERLA dB

Edge details	Board Î	Tegular 24			Tegula	r 15/90				
on request		/				5				
Thickness (mm)	19	19			19					
Dimensions (mm)	600 × 600	600 x 600			600 >	600				
Additional sizes on request										
System	Exposed demountable - System C Exposed - Bandraster, demountable Exposed - Corridor, demountable	ixposed demountable - System C ixposed - Bandraster, demountable - System I.3 ixposed - Corridor, demountable - System F.3								
Weight Keight	8.1 kg / m²	3.1 kg / m²								
Colour	White									
Sound absorption	EN ISO 354 α, = 0.60(H) as per EN ISO 116	54 - Class C								
	Frequency f (Hz)		125	250	500	1000	2000	4000		
	α_p		0.40	0.40	0.55	0.75	0.85	0.95		
	NRC = 0.65 as per ASTM C 423									
Sound attenuation	EN ISO 10848-2 D _{n,f,w} = 41 dB as per EN ISO 717-	.1								
Sound reduction	EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1									
Fire reaction	Euroclass A2-s1, d0 as per EN	13501-1		RUS KM1	(G1, V1,	, D1, T1)	as per FZ	123		
Light reflectance	88%									
Thermal conductivity	λ = 0.075 W/m K as per EN 12	2667								
Air permeability	PM1 (≤ 30 m³/hm²) as per DIN	N 18177								
Humidity resistance	95% RH									
Clean room	ISO 5 as per EN ISO 14644-1									
Indoor air quality 🔒 🔒	Image: Non-State Image: Non-State A+ E1									
Cleanability		2								
Sustainability	39%	W 9NIOT	blauer-enge	l.de/uz132	cradietoc	ode				

CEILING SOLUTIONS



ARMSTRONG PERLA OP 0.95

- Armstrong PERLA OP 0.95 is a C2C Bronze certified range with a smooth laminated finish and excellent Class A sound absorption, making it ideal for open plan areas
- Excellent sound absorption (0.95 α_w)
- Good light reflectance (85%)
- ISO 5
- Ideal for open spaces (call centres, libraries, cafeterias, etc.)

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ARMSTRONG PERLA OP 0.95

Edge details	Board	Tegular 24	Tegular 15/90)	SL2					
Additional edge details on request		<u></u>					7.			
Thickness (mm)	15 - 19	15	15		19					
Dimensions (mm) Additional sizes on request	600 x 600 675 x 675 1200 x 600 1500 x 600 1800 x 600	600 x 600 675 x 675 1200 x 600	600 x 600 675 x 675 1200 x 600		1500 x 300 1800 x 300					
System	Exposed - Ban	untable - System C draster, demountab idor, demountable	ole - System I.3		Semi-conceale Semi-conceale Semi-conceale	d planks -	Bandraster	, demounte	able - Syste	
Weight	2.4 - 3.3 kg /	.4 - 3.3 kg / m²								
Colour	White	/hite								
Sound absorption	**	α _w = 0.95 as per EN ISO 11654 - Class A								
	Frequency f (Η	lz) Board, Tegul	ar	12. 0.4		500 0.95	1000 0.90	2000 1.00	4000 1.00	
	u _p	SL2			5 0.80	0.90	0.90	1.00	1.00	
	NRC = 0.90 a	s per ASTM C 423								
Sound attenuation	EN ISO 10848 D _{n,f,w} = 25 dB	3-2 as per EN ISO 717	7-1							
Sound reduction	EN ISO 10140 R _w = 12 dB (15	-2 imm) as per EN ISC	D 717-1							
Fire reaction	Euroclass A2-s	1, d0 as per EN 1	3501-1		RUS KM1	(G1, V1	, D1, T1)	as per FZ	123	
Light reflectance	85%									
Thermal conductivity	λ = 0.040 W /	/ m K as per EN 12	2667							
Humidity resistance	95% RH									
Clean room	ISO 5 as per E	ISO 14644-1								
Indoor air quality 📑	A+									
Cleanability	P		2							
Sustainability	ENISO 14021 44 - 66%		e e e e e e e e e e e e e e e e e e e							



ARMSTRONG PERLA OP 1.00

Edge details	Board	Tegular 24			Tegulo	ar 15/90				
Additional edge details on request					<u></u>					
Thickness (mm)	20	20			20					
Dimensions (mm)	600 x 600	600 x 600				x 600				
Additional sizes on request	1200 x 600	675 x 675 675 x 675 675 x 675 1200 x 600 1200 x 600 1200 x 600								
System	Exposed demountable - System C Exposed - Bandraster, demountab Exposed - Corridor, demountable	ixposed demountable - System C ixposed - Bandraster, demountable - System I.3 ixposed - Corridor, demountable - System F.3								
Weight	3.1 kg / m²									
Colour	White									
Sound absorption	EN ISO 354 α_ = 1.00 as per EN ISO 11654 -	Class A								
	Frequency $f(Hz)$	GIUSS A	125	250	500	1000	2000	4000		
	α _p		0.50	0.85	0.95	0.95	1.00	1.00		
	NRC = 0.95 as per ASTM C 423									
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 25 dB as per EN ISO 717-	.]								
Sound reduction	EN ISO 10140-2 R _w = 12 dB as per EN ISO 717-1									
Fire reaction	Euroclass A2-s1, d0 as per EN 1	3501-1		RUS KM1	(G1, V1	, D1, T1)	as per FZ	123		
Light reflectance	85%									
Thermal conductivity	λ = 0.040 W/m K as per EN 12	2667								
Humidity resistance	95% RH									
Clean room	ISO 4 as per EN ISO 14644-1									
Indoor air quality 🔒 😭	Image: A+ E1									
Cleanability										
Sustainability	RNSO11021 EXECUTIVE WOOL 73% CENTRON ANNUAL	loode								

ARMSTRONG PERLA OP 1.00

• Armstrong PERLA OP 1.00 is a C2C Bronze certified range with a smooth laminated finish and offers excellent sound absorption (1.00 α_w), making it ideal for open plan areas

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CEILING SOLUTIONS

- Excellent sound absorption (1.00 α_w)
- Good light reflectance (85%)
- ISO 4
- Ideal for open spaces (call centres, libraries, cafeterias, etc.)

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AMF THERMATEX® ACOUSTIC

Edge details		Board û	Tegular 24 Î	Tegular 15 Î	Tegular 15/90 Î	SL2 Î		Vector Î	Û	Finesse Î	Э
Additional edge details on request						24			4 4 -17.5	24	
Thickness (mm)	<u>↓</u>	19	19	19	19	19		24		19	
Dimensions (mm) Additional sizes on request	 1	600 x 600 625 x 625 1200 x 600	600 x 600 625 x 625	600 x 600	600 x 600	1200 x 300 1500 x 300 1800 x 300 2000 x 300 2500 x 300)))	600 x 600 625 x 625		600 x 600 625 x 625	
System		Exposed dem Exposed - Ba Exposed - Co	ındraster, der	nountable - S	System I.3 stem F.3	Semi-concealed planks, demountable - System 1.3 Semi-concealed planks - Bandraster, demountable - System 1.2 Semi-concealed planks - Corridor, demountable - System F.2		Semi-concealed tiles, demountable - System C		Concealed, - demountable - System A.2 / /	
Weight	K	5.0 - 8.6 kg	/ m²								
Colour		White									
Sound absorption		$\frac{\text{Frequency}}{\alpha_{p}}$	H) as per EN f (Hz) Boa	urd, Tegular 2 ular 15/90, 1 tor	4, Tegular 15,	125 0.50 0.45	250 0.45 0.40	5 0.60	1000 0.85 0.80	2000 0.95 0.95	4000 0.95 1.00
Sound attenuation		EN ISO 108 D _{n,f,w} = 38 d D _{n,f,w} = 40 d	348-2 1 B (Board, Te 1 B (SL2) as po	gular 24, Teg er EN ISO 7	gular 15, Tegular 17-1	r 15/90, Fir	iesse,	Vector) as p	per EN IS	0 717-1	
Sound reduction	¥	EN ISO 101 R _w = 22 dB	140-2 as per EN IS	io 717-1							
Fire reaction	T	Euroclass A	2-s1, d0 as	per EN 1350	01 - 1						
Light reflectance		88%									
Thermal conductivity	A	λ = 0.060	W/m K as p	oer EN 1266	7						
Air permeability	TÎÎT	PM1 (≤ 30	m³/hm²) as	per DIN 1817	77						
Humidity resistance	•••	95% RH									
Clean room	*	ISO 3 as pe	er EN ISO 14	644-1							
Indoor air quality	+	A+	E1								
Cleanability		<i>p</i>									
Sustainability		2% EN 150 14021 41 - 49%	BIOSOLUBLE WOOL CONSTRUCTION EC 1272/2008 Annex 0								
Products may vary from country	to country										

AMF THERMATEX® Acoustic

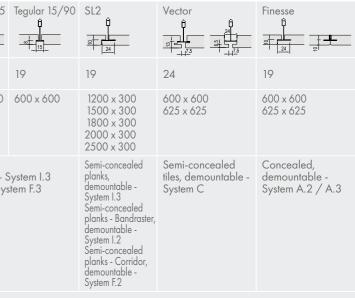
• The laminated finish of AMF THERMATEX® Acoustic creates a smooth, white appearance and provides good levels of sound absorption and excellent sound attenuation

- Good sound absorption (0.65 (H) α_w)
 Excellent sound attenuation (40 dB; SL2)
 High sound attenuation (38 dB; Board, Tegular 24, Tegular 15, Tegular 15/90, Finesse, Vector)
 Excellent light reflectance (88%)

- Ideal for retail, offices and meeting rooms, installation rooms or production areas



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





AMF THERMATEX® dB Acoustic

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



	_										
Edge details		Board		Tegu	ular 24 A			Tegul	ar 15		
Additional edge details		Ô		m [‡]				ر 1	Ĺ		
on request	_			I	<u> _24_</u>				5		
Thickness (mm)	 ↓ ↑ 	24, 30		24				24			
Dimensions (mm) Additional sizes on request	 	600 x 600		600) x 600			600 ;	x 600		
System		Exposed - Bar	ountable - Syste ndraster, demou rridor, demoun	ountable - Sys							
Weight	Kg	8.6 - 10.6 kg	/ m ²								
Colour	e	White									
Sound absorption		EN ISO 354 α _w = 0.65 (Η)) as per EN ISC	O 11654 - C	lass C						
		Frequency f (I				125	250	500	1000	2000	4000
			oard (24mm), Te	egular 24, Teg	gular 15	0.40	0.45	0.60	0.80	0.95	0.95
		1	bard (30mm)			0.35	0.40	0.65	0.85	0.90	0.95
		NRC = 0.70 c	as per ASIM C	. 423							
Sound attenuation		EN ISO 1084 D _{n,f,w} = 41 dB		r EN ISO 717	7-1		D _{n,f,w} = 43	dB (30m	m) as per	en ISO 71	7-1
Sound reduction	¥	EN ISO 10140 R _w = 24 dB (2		EN ISO 717-	1		R _w = 25 d	B (30mm)	as per EN	N ISO 717-	.]
Fire reaction	T	Euroclass A2-	s 1, d0 as per	EN 13501-1	1		RUS KM1	(G1, V1	, D1, T1)	as per FZ	123
Light reflectance	7	88%									
Thermal conductivity	Ą	λ = 0.075 W	/ m K as per E	EN 12667							
Air permeability	TÎĪT	PM1 (≤ 30 m ²	³ /hm²) as per	DIN 18177							
Humidity resistance		95% RH									
Clean room	¥	ISO 4 as per	EN ISO 14644	4-1							
Indoor air quality		A+	EN 13964								
Cleanability		P	Story States								
Sustainability			BIOSOLUBLE WOOL	UNSSION CLASS		SLUE ANGE					
,		EN ISO 14021	EC 1272/2008 Annex 0	TAN ONIOLE	www.b	lauer-enge	I.de /uz132				



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AMF THERMATEX® ANTARIS

Edge details	Board	Tegular 24/90	Tegular	15/90 S				
Additional edge details on request								
Thickness (mm)	15	15	15	-				
Dimensions (mm)	600 x 600 675 x 675	600 x 600 675 x 675	600 x 675 x					
Additional sizes on request	1200 x 600	1200 x 600	1200 x	600				
System		e - System C demountable - System I.3 emountable - System F.3						
Weight Ka	2.9 kg / m²							
Colour	White							
Sound absorption	EN ISO 354							
	$\alpha_{w} = 0.90$ as per EN I	SO 11654 - Class A	10.5	050	500	1000	0000	1000
	Frequency f (Hz) a _P		125 0.50	250 0.80	500 0.85	1000 0.85	2000 1.00	4000
	NRC = 0.90 as per A	STM C 423	0.00	0.00	0.00	0.00	1.00	1.00
Sound attenuation	EN ISO 10848-2 D _{afw} = 24 dB as per E	IN ISO 717-1						
Sound reduction	EN ISO 10140-2 R _w = 15 dB as per EN	ISO 717-1						
Fire reaction	Euroclass A2-s1, d0 a	as per EN 13501-1	RUS KI	M1 (G1,	V1, D1, 1	11) as per	FZ 123	
Light reflectance	86%							
Thermal conductivity	λ = 0.040 W/m K c	as per EN 12667						
Humidity resistance	95% RH							
Clean room	ISO 5 as per EN ISO	14644-1						
Indoor air quality 📑	A+ E1							
Cleanability	P							
Sustainability	8000LURE W 80		w.blauer-eng	el.de/uz132)			

AMF THERMATEX® Antaris

• AMF THERMATEX[®] Antaris is a white, laminated mineral tile and offers Class A sound absorption. AMF THERMATEX[®] Antaris provides fire protection and a hygienic ceiling solution

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SMF

- Excellent sound absorption (0.90 α_w)
- High light reflectance (86%)
- ISO 5
- Ideal for retail, offices and meeting rooms, installation rooms or production areas







AMF THERMATEX® Antaris C

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

AMF THERMATEX® ANTARIS C

Edge details	Board
Additional edge details	Û
on request	
Thickness (mm)	13
Dimensions (mm)	600 x 600 1200 x 600
Additional sizes	1200 x 000
on request	
System	Exposed demountable - System C
· ·	Exposed - Bandraster, demountable
	Exposed - Corridor, demountable -
Weight Kat	3.0 kg / m²
	0.0 kg / m
Colour 🔗	White
Sound absorption	EN ISO 354
	α _w = 0.70 as per EN ISO 11654 - (
	Frequency f (Hz)
	α_p
	NRC = 0.70 as per ASTM C 423
Sound attenuation	EN ISO 10848-2
500	D _{n.f.w} = 29 dB as per EN ISO 717-1
Sound reduction	EN ISO 10140-2
	R _w = 18 dB as per EN ISO 717-1
Fire reaction	Euroclass A2-s1, d0 as per EN 135
Light reflectance	86%
9	
Thermal conductivity	λ = 0.060 W/m K as per EN 126
Humidity resistance	90% RH
Clean room	ISO 5 as per EN ISO 14644-1
Indoor air quality	
	Image: Note that the sector of the
	A+ E1
Cleanability	
Sustainability	
	EC 1272/2008 Ammer Q
	43%



Tegular A	24			Tegula	r 15			
	<u>}</u>				<u> </u>			
13				13				
600 x	600			600 x	600			
e - Syster	n I.3							
System F	.3							
Class C								
		125	250	500	1000	2000	4000	
		0.40	0.55	0.60	0.75	0.95	1.00	
501-1			RUS KM1	(G1, V1,	D1, T1) a	as per FZ	123	
67								
Tos FOR BUIL	www.bl		I.de/uz132					
(



ARMSTRONG SIERRA

- Armstrong SIERRA is a non-directional laminated ceiling tile offering a good combination of sound absorption and sound attenuation
- Good sound absorption (0.70(H) α_w)
- Good light reflectance (86%)
- ISO 5
- Ideal for office and learning applications

ARMSTRONG SIERRA

Edge details	Board	Tegular 24			Tegula	r 15		
Additional edge details on request] 5]		
Thickness (mm)	13	13			13			
Dimensions (mm) Additional sizes on request	600 x 600 1200 x 600	600 x 600			600	x 600		
System	Exposed demountable - System C Exposed - Bandraster, demountal Exposed - Corridor, demountable	ble - System I.3						
Weight	3.0 kg / m²							
Colour	White							
Sound absorption	EN ISO 354 α _w = 0.70(H) as per EN ISO 110	654 - Class C						
	Frequency f (Hz) α _p		125 0.40	250 0.60	500 0.60	1000 0.75	2000 0.90	4000
	NRC = 0.70 as per ASTM C 423	3						
Sound attenuation	EN ISO 10848-2 D _{a.f.w} = 28 dB as per EN ISO 717	7-1						
Fire reaction	Euroclass A2-s1, d0 as per EN	13501-1		RUS KM1	(G1, V1,	D1, T1)	as per FZ	123
Light reflectance	86%							
Thermal conductivity	λ = 0.060 W/m K as per EN 1	2667						
Humidity resistance	90% RH							
Clean room	ISO 5 as per EN ISO 14644-1							
Indoor air quality								
Cleanability								
Sustainability	истолиции исол в сталовой инжестрание обращение о Обращение обращение об	^{ον c} (4 ₅₆) 1) ² ² ² ² ² ² ² ²	blauer-enge	el.de/uz132				



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ARMSTRONG SIERRA OP

Edge details		Board			Tegular 24			Tegula	r 15/90			
Additional edge details on request] 5			
Thickness (mm)	<u>↓</u> ↑	15			15			15				
Dimensions (mm) Additional sizes on request	 	600 x 600 1200 x 600			600 x 600 1200 x 600			600 1200	x 600 x 600			
System		Exposed dem Exposed - Bai Exposed - Co	ndraster, dem	ountable	e - System I.3 System F.3							
Weight	Kg	2.9 kg / m²										
Colour	E	White										
Sound absorption		EN ISO 354 $\alpha_{\rm w} = 0.90$ as		11654 - (Class A							
		Frequency $f(\alpha_p)$ NRC = 0.85		C 423		125 0.45	250 0.75	500 0.85	1000 0.85	2000 1.00	4000 1.00	
Sound attenuation		EN ISO 1084 D _{n,f,w} = 25 dB		0 717-1								
Sound reduction	¥	EN ISO 1014 R _w = 12 dB as		717-1								
Fire reaction	ক্ত	Euroclass A2	-s1, d0 as pe	er EN 13	501-1		RUS KM1	(G1, V1,	D1, T1)	as per FZ	123	
Light reflectance	7	86%										
Thermal conductivity	ł	λ = 0.040 W	/m K as per	r EN 126	67							
Humidity resistance	\$ \$	95% RH										
Clean room	*	ISO 5 as per	en ISO 1464	44-1								
Cleanability		Z	0.00-252.0°									
Sustainability		ENISO 14021 43%		14,6344W 9	MOTE	v.blauer-enge	I.de/uz132					

ARMSTRONG SIERRA OP

- Armstrong SIERRA OP is a cost-effective laminated mineral tile offering a smooth white appearance combined with Class A acoustic performance
- Excellent sound absorption (0.90 α_w)
- High light reflectance (86%)
- ISO 5
- Ideal for open spaces (call centres, libraries, cafeterias, etc.)







AMF THERMATEX® Thermofon

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

AMF THERMATEX® THERMOFON

Edge details	Board	Tegular 24/90	Tegular 15/90
Additional edge details on request			
Thickness (mm)	15	15	15
Dimensions (mm) Additional sizes on request	600 x 600 625 x 625 1200 x 600 1250 x 625	600 × 600 625 × 625 1200 × 600	600 × 600 625 × 625 1200 × 600
System	Exposed demountable - System C Exposed - Bandraster, demountable - Exposed - Corridor, demountable - S		
Weight	∑ 2.9 kg ∕ m²		
Colour	White		
Sound absorption	EN ISO 354 α _w = 0.80 (H) as per EN ISO 11654	- Class B	
	Frequency f(Hz)		500 1000 2000 4000
	α _p NRC = 0.85 as per ASTM C 423	0.55 0.75 0	0.75 0.80 0.95 1.00
Sound attenuation	EN ISO 10848-2 D _{nfw} = 28 dB as per EN ISO 717-1		
Sound reduction	EN ISO 10140-2 R _w = 13 dB as per EN ISO 717-1		
Fire reaction	Euroclass A2-s1, d0 as per EN 1350	DI-I RUSI	KM1 (G1, V1, D1, T1) as per FZ 123
Light reflectance 7	88%		
Thermal conductivity	λ = 0.040 W/m K as per EN 1266	7	
Humidity resistance	95% RH		
Clean room	ISO 4 as per EN ISO 14644-1		
Indoor air quality	A+ E1		
Cleanability			
Sustainability	EXECUTE ENOL EXECUTION AVERS	www.blauer-engel.de/uz132	



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AMF TOPIQ[®] Prime

- AMF TOPIQ[®] Prime is a very light panel with a modern, smooth surface
- Excellent sound absorption (0.95 α_{w})
- Excellent light reflectance (88%)
- ISO 5
- Ideal for offices, retail, classrooms, learning applications and underground garages

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6,6 100% RH Humidity resistance

32-33%

Cleanability

Indoor air quality

Sustainability

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

AMF TOPIQ® PRIME

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WWW

Edge details

Thickness (mm)

Dimensions (mm)

Additional sizes

on request

System

Weight

Colour

Sound absorption

Sound attenuation

Sound reduction

Light reflectance

Fire reaction

Clean room

on request

Additional edge details

Board	Tegular 24/9	90		Tegula	ır 15/90			
Ŷ	Ŷ			ť)			
<u>-24</u>	<u>24</u>				5			
15	15			15				
600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600				x 600 x 625 x 600			
Exposed demountable - System C Exposed - Bandraster, demountabl Exposed - Corridor, demountable -								
2.1 kg / m²								
White								
EN ISO 354 α _w = 0.95 as per EN ISO 11654 -	Class A							
Frequency f (Hz)		125	250	500	1000	2000	4000	
		0.50	0.85	0.95	0.90	1.00	1.00	
NRC = 0.90 as per ASTM C 423								
EN ISO 10848-2 D _{n,f,w} = 24 dB as per EN ISO 717-	1							
EN ISO 10140-2 R _w = 13 dB as per EN ISO 717-1								
Euroclass A1 as per EN 13501-1		R	RUS KM2	(G1, V1,	D1, T1)	as per FZ	123	
88%								
100% RH								
ISO 5 as per EN ISO 14644-1								
A E1								
	CL ₄ ₅₅ for BUL	RULE ANGR						

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AMF TOPIQ[®] Efficient Pro

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

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AMF TOPIQ[®] EFFICIENT PRO

	_											
Edge details		Board			Tegular 2	24/90		Tegul	ar 15/90			
Additional edge details on request]				8				
Thickness (mm)	↓ ↑	20			20			20				
Dimensions (mm) Additional sizes on request	 	600 x 600 625 x 625 1200 x 600			600 x 60 625 x 6				x 600 x 625			
System		Exposed - Bo	mountable - Sy andraster, den orridor, demo	nountable ·	- System System F.S	1.3 3						
Weight		2.8 kg / m²										
Colour		White										
Sound absorption			s per EN ISO	11654 - Cl	lass A						(000	
		Frequency f α_p NRC = 0.95	(Hz) as per ASTM	C 423		125 0.45	250 0.90	500 1.00	1000 0.95	2000 1.00	4000 1.00	
Sound attenuation		EN ISO 108 D _{n,f,w} = 25 d	848-2 B as per EN IS	SO 717-1								
Sound reduction	¥	EN ISO 1014 R _w = 15 dB d	40-2 as per EN ISC	717-1								
Fire reaction	F	Euroclass A	as per EN 13	3501-1			RUS KM	2 (G1, V1	, D1, T1)	as per FZ	123	
Light reflectance	7	88%										
Humidity resistance	44	100% RH										
Clean room	*	ISO 4 as pe	er EN ISO 146	44-1								
Indoor air quality		A	E1									
Cleanability		Z	200-250 °	P,								
Sustainability		<u>ек 150 14021</u> 33%	BOSOLUBLE MOOL CONTRACTOR	inssion class	s'	www.blauer-er	b bgel.de/uz132)				



EXPERIENCE MORE POSSIBILITIES



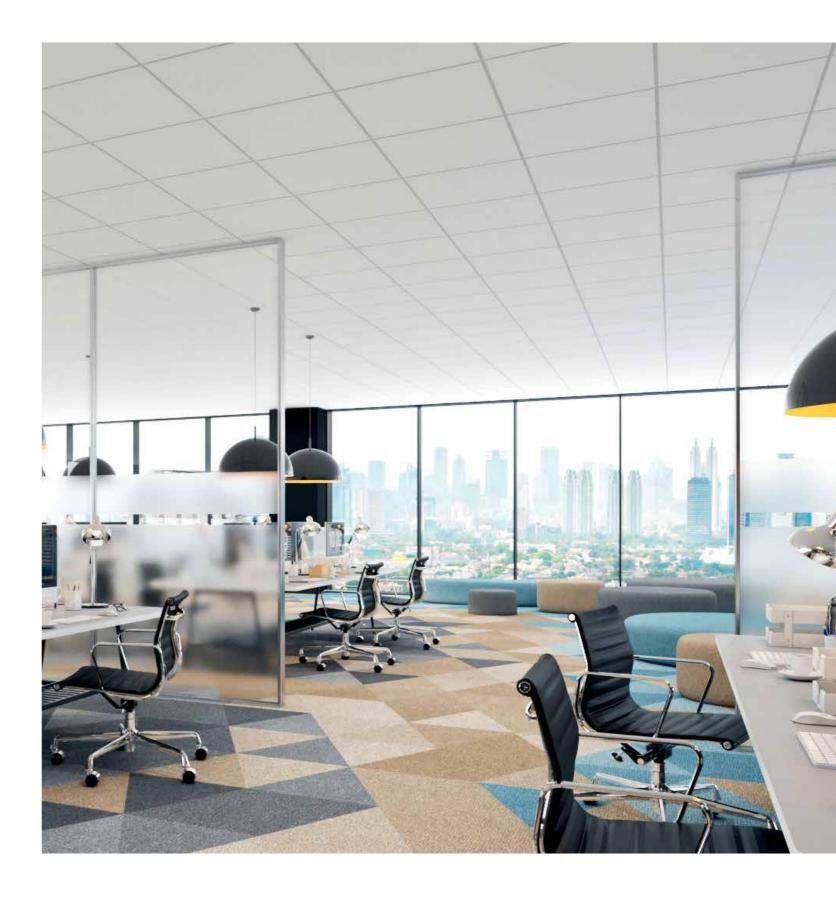
Take your ceilings to the next level with the new and improved ULTIMA⁺

A new and broader choice of shapes, sizes, colours and acoustic options will be available soon.

Visually striking. Acoustically practical. Strong and sustainable. But what makes ULTIMA⁺ so sought-after is something else entirely: creative flexibility. Incredibly versatile.

ULTIMA⁺ gives you everything you need to design unique, iconic spaces, from open-plan workplaces that enhance productivity, to future-focused, inspirational learning centres.

ULTIMA⁺ can be adapted, configured and combined to help you open up new possibilities, and bring your vision to life.





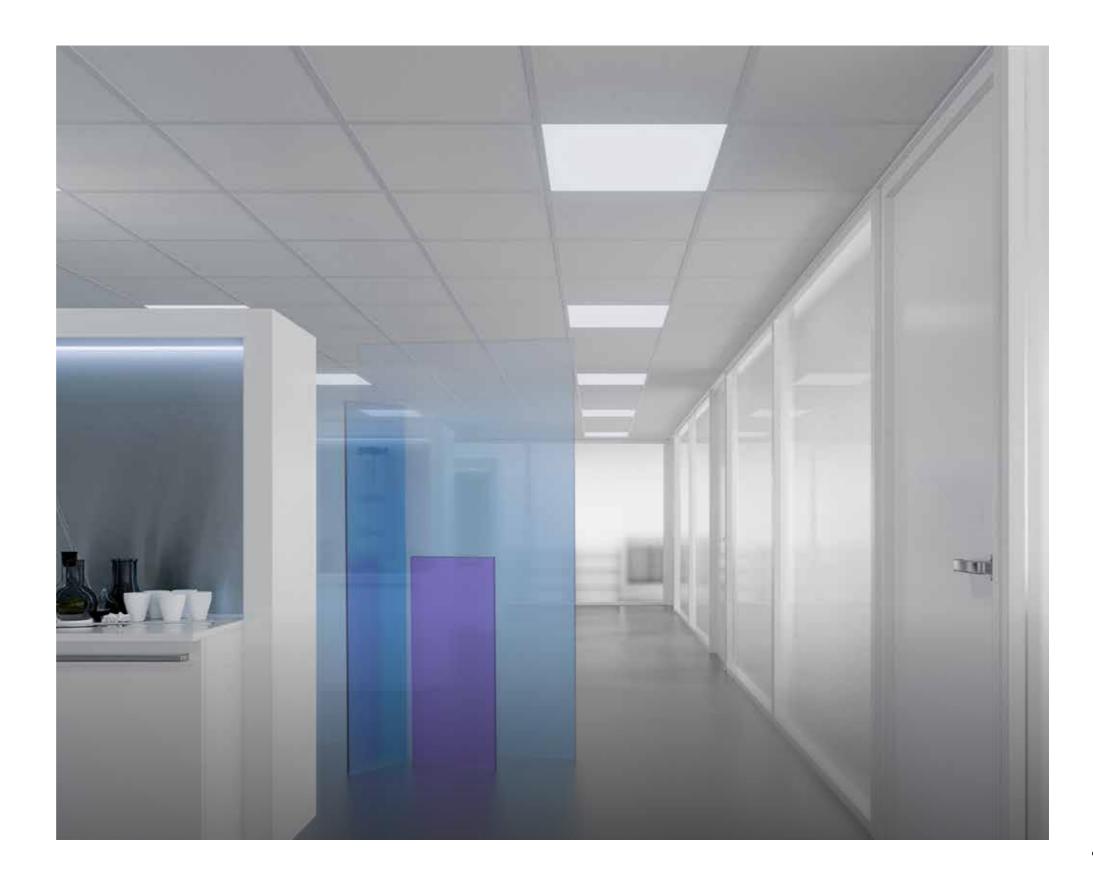
Healthcare & Hygiene





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

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





ARMSTRONG BIOGUARD ACOUSTIC OP



• Armstrong BIOGUARD ACOUSTIC OP is suitable for demanding healthcare applications requiring Class A sound absorption and stringent cleaning methods: dry steam and damp cloth using standard detergents. It does not contribute to the growth of MRSA

- Excellent sound absorption (0.95 α_w)
- Good light reflectance (85%)
- ISO 3
- Ideal for healthcare environments with severe risk of infection

ARMSTRONG BIOGUARD ACOUSTIC OP

Edge details	Board
Additional edge details on request	
Thickness (mm)	20
Dimensions (mm)	600 x 600 1200 x 600
System	Exposed demountable - System C Exposed - Bandraster, demountable Exposed - Corridor, demountable -
Weight A	3.3 kg / m²
Colour	White
Sound absorption	EN ISO 354 $\alpha_{w} = 0.95$ as per EN ISO 11654 - (Frequency f (Hz) α_{p} NRC = 0.95 as per ASTM C 423
Sound attenuation	EN ISO 10848-2 D _{a.f.w} = 25 dB as per EN ISO 717-1
Fire reaction	Euroclass A2-s1, d0 as per EN 13
Light reflectance	85%
Thermal conductivity	λ = 0.040 W/m K as per EN 126
Humidity resistance	95% RH
Clean room	ISO 3 as per EN ISO 14644-1
Indoor air quality	Image: Design of the second
Cleanability	
Sustainability	2% ВОСКИВЕН НООК 2% С. 12722000 Актис с 70% С. 12722000 Актис с



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Tegular 24			Tegular	15/90			
20			20				
600 x 600 1200 x 600			600 » 1200 »				
e - System I.3 System F.3							
Class A	125	250	500	1000	2000	4000	
	0.55	0.85	0.95	0.90	1.00	1.00	
501-1		RUS KM1 ((G1, V1,	D1, T1) a	as per FZ 1	123	
67							
		°<+		3			



ARMSTRONG **BIOGUARD ACOUSTIC**



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

-00 14001

ARMSTRONG BIOGUARD ACOUSTIC

Edge details Additional edge details on request	Board	Tegular 24			Tegula Í	r 15) 5		
Thickness (mm)	17	17			17			
Dimensions (mm) Additional sizes on request	600 x 600 1200 x 600	600 x 600 1200 x 600			600 1200	x 600 x 600		
System	Exposed demountable - System C Exposed - Bandraster, demountable - Exposed - Corridor, demountable - Sy	System I.3 stem F.3						
Weight	4.5 kg / m²							
Colour	White							
Sound absorption	EN ISO 354 $\alpha_{w} = 0.60(H)$ as per EN ISO 1165	54 - Class C						
	Frequency f (Hz)		125 0.35	250 0.40	500 0.50	1000 0.70	2000 0.85	4000 0.90
	NRC = 0.60 as per ASTM C 423							
Sound attenuation	EN ISO 10848-2 D _{n,f,w} = 36 dB as per EN ISO 717-	1						
Sound reduction	EN ISO 10140-2 R _w = 18 dB as per EN ISO 717-1							
Fire reaction	Euroclass A2-s1, d0 as per EN 13	3501-1		RUS KM1	(G1, V1,	D1, T1)	as per FZ	123
Light reflectance	85%							
Thermal conductivity	λ = 0.060 W/m K as per EN 12	667						
Humidity resistance	95% RH							
Clean room	ISO 4 as per EN ISO 14644-1							
Indoor air quality 😭	A+ E1							
Cleanability			\mathfrak{a}	°₹+		8		
Sustainability	ENERGY REPORT AND RECORDER AND RECORDER AND RECORDER AND RECORD AN							





ARMSTRONG **BIOGUARD PLAIN 15mm**



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



ARMSTRONG BIOGUARD PLAIN 15mm

Edge details	Board 	Tegular 24			Tegulo	ır 15 D		
	<u> </u>					15		
Thickness (mm)	15	15			15			
Dimensions (mm)	600 x 600 1200 x 600	600 x 600 1200 x 600				x 600 x 600		
System	Exposed demountable - System C Exposed - Bandraster, demountable Exposed - Corridor, demountable	ole - System I.3						
Weight Kg	3.5 - 3.6 kg / m²							
Colour	White							
Sound absorption	EN ISO 354 α _w = 0.20(L) as per EN ISO 116.	54 - Class E						
	Frequency f (Hz)		125	250	500	1000	2000	4000
	α _p		0.40	0.25	0.15	0.15	0.20	0.30
	NRC = 0.20 as per ASTM C 423							
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 35 dB as per EN ISO 717	-1						
Sound reduction	EN ISO 10140-2 R _w = 19 dB as per EN ISO 717-1							
Fire reaction	Euroclass A2-s1, d0 as per EN 1	13501-1		RUS KM1	(G1, V1	, D1, T1)	as per FZ	123
Light reflectance	87 %							
Thermal conductivity	λ = 0.060 W/m K as per EN 12	2667						
Humidity resistance	95% RH							
Clean room	ISO 5 as per EN ISO 14644-1							
Indoor air quality 📑	A+ E1							
Cleanability			+					
Sustainability	<mark>ен 150 14021</mark> 31 - 42%							





ARMSTRONG **BIOGUARD PLAIN 12mm**



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



ARMSTRONG BIOGUARD PLAIN 12mm

Edge details	Board
Thickness (mm)	12
Dimensions (mm)	600 x 600
System	Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3
Weight K	2.6 kg / m ²
Colour	White
Sound absorption	EN ISO 354 α _w = 0.20(L) as per EN ISO 11654 - Class E Frequency f (Hz) 125 250 500 1000 2000 4000
	α _p 0.40 0.25 0.15 0.20 0.30 NRC = 0.15 as per ASTM C 423
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 31 dB as per EN ISO 717-1
Sound reduction	EN ISO 10140-2 R _w = 19 dB as per EN ISO <i>7</i> 17-1
Fire reaction	RUS KM1 (G1, V1, D1, T1) as per FZ 123
Light reflectance	87%
Thermal conductivity	λ = 0.060 W/m K as per EN 12667
Humidity resistance	90% RH
Clean room	ISO 5 as per EN ISO 14644-1
Indoor air quality 🔒 🔂	Image: Constraint of the second se
Cleanability	
Sustainability	ENISO 1421 49%

- Class E





ARMSTRONG SANIGUARD

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



Edge details		Board		Tegular 24			Tegula	r 15/90			
Additional edge details on request				 				Ĵ 5			
Thickness (mm)	↓ ↑	15		15			15				
Dimensions (mm) Additional sizes on request]	600 x 600 1200 x 600		600 x 600			600	x 600			
System		Exposed demountable Exposed - Bandraster Exposed - Corridor, d	, demountab	le - System I.3 - System F.3							
Weight	Kg	2.5 kg / m²									
Colour		White									
Sound absorption		EN ISO 354 $\alpha_{w} = 0.95$ as per EN	ISO 11654 -	Class A							
		Frequency $f(Hz)$ α_{p} NRC = 0.90 as per A	ASTM C 423		125 0.50	250 0.80	500 0.95	1000 0.85	2000 0.95	4000 1.00	
Sound attenuation		EN ISO 10848-2 D _{n,f,w} = 25 dB as per	en ISO 717-	.]							
Fire reaction	<u></u>	Euroclass A2-s1, d0	as per EN 1	3501-1		RUS KM1	(G1, V1,	, D1, T1)	as per FZ	123	
Light reflectance	7	85%									
Thermal conductivity	A	$\lambda = 0.040 \text{ W/m K}$	as per EN 12	.667							
Humidity resistance	•	95% RH									
Clean room	*	ISO 5 as per EN ISC	14644-1								
Indoor air quality	+	A+ E1									
Cleanability											
Sustainability		66%	<u>)</u>								





Edge details	Board	Tegular 24/90 Î	Tegular 15/90 Î	Finesse ĝ					
Additional edge details on request					0	<u> </u>			
Thickness (mm)	19	19	19	19					
Dimensions (mm) Additional sizes on request	600 x 600 625 x 625	600 x 600 625 x 625	600 x 600 625 x 625	600 x 6 625 x 6					
System	Exposed - Bo	Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3							
Weight 🧖	5.2 kg / m²	5.2 kg / m ²							
Colour 🧭	White	White							
Sound absorption		; per EN ISO 116. (Hz)	54 - Class A	125	250	500	1000	2000	4000
	α_p NRC = 0.90	as per ASTM C 4	123	0.60	0.70	0.85	0.90	1.00	1.00
Sound attenuation	EN ISO 108								
Sound reduction	EN ISO 1014 R _w = 16 dB c	10-2 15 per EN ISO 717	7-]						
Fire reaction	Euroclass A2	2-s1, d0 as per E	N 13501-1			RUS KM	1 (G1, V1	, D1, T1)	as per FZ 1
Light reflectance	88%								
Thermal conductivity	λ = 0.060 V	V/m K as per EN	12667						
Air permeability	PM1 (≤ 30 r	n³/hm²) as per D	IN 18177						
Humidity resistance	100% RH								
Clean room 🛛 🐺	ISO 3 as per	EN ISO 14644-	1						
Indoor air quality	A+	EN 13964							
Cleanability	P								
Sustainability	EN 150 14021 35%	BOSOLUBLE WOOL EC 12722008 Amer 0	ww.blauer-engel.de/uz13	22					

AMF THERMATEX® Aquatec

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



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







AMF THERMATEX® Aquatec Hygena

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

AMF THERMATEX® AQUATEC HYGENA

Edge details Additional edge details on request	Board
Thickness (mm)	19
Dimensions (mm) Additional sizes on request	600 x 600 625 x 625
System	Exposed demountable - System C Exposed - Bandraster, demountable Exposed - Corridor, demountable - S
Weight A	5.2 kg / m²
Colour 🔅	White
Sound absorption	EN ISO 354 α _w = 0.90 as per EN ISO 11654 - C Frequency f (Hz)
	α _P NRC = 0.90 as per ASTM C 423
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 29 dB as per EN ISO 717-1
Sound reduction	EN ISO 10140-2 R _w = 16 dB as per EN ISO 717-1
Fire reaction	Euroclass A2-s1, d0 as per EN 135
Light reflectance	88%
Thermal conductivity	λ = 0.060 W/m K as per EN 126
Air permeability	PM1 (≤ 30 m³/hm²) as per DIN 18
Humidity resistance	100% RH
Clean room	ISO 3 as per EN ISO 14644-1
Indoor air quality 💼	Image: Constraint of the second sec
Cleanability	2
Sustainability	BOSCUERE WOOL Social Extension BECHT20008 Annuo SSS%



150 2007

e - System I.3 System F.3 **Class A** 125 500 1000 2000 4000 250 1.00 0.60 0.70 0.85 0.90 1.00 8501-1 RUS **KM1 (G1, V1, D1, T1)** as per FZ 123 667 8177 K $(\mathbf{0})$ auer-engel.de/uz132



AMF THERMATEX® Thermaclean

- AMF THERMATEX[®] Thermaclean combines excellent cleanability with good resistance to germs and fungi. It has a laminated finish with a white vinyl foil, that ensures a timeless look
- Good sound attenuation (34 dB)
- ISO 4

AMF THERMATEX® THERMACLEAN

Edge details	Board
Additional edge details on request	
Thickness (mm)	15
Dimensions (mm)	600 x 600 625 x 625
System	Exposed demountable - System C Exposed - Bandraster, demountable Exposed - Corridor, demountable -
Weight 📩	3.6 kg / m²
Colour 🔗	White
Sound absorption	EN ISO 354 α _w = 0.10 (L) as per EN ISO 11654 Frequency f (Hz)
	α_p
Sound attenuation	NRC = 0.15 as per ASTM C 423 EN ISO 10848-2 D _{n.f.w} = 34 dB as per EN ISO 717-1
Sound reduction	EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1
Fire reaction	Euroclass A2-s3, d0 as per EN 13
Light reflectance	81%
Thermal conductivity	λ = 0.060 W/m K as per EN 126
Air permeability	PM1 (≤ 30 m³/hm²) as per DIN 18
Humidity resistance	95% RH
Clean room	ISO 4 as per EN ISO 14644-1
Indoor air quality 🔒 🔂	Image: State Sta
Cleanability	2
Sustainability	Возоцияне моск возочила возочила 45%



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e - System I.3 System F.3							
1							
	125 0.35	250 0.20	500 0.10	1000 0.10	2000 0.10	4000 0.10	
501-1							
67							
3177							



ARMSTRONG NEWTONE

Edge details		Board										
		<u> _24</u>										
Thickness (mm)	↓ ↑	6										
Dimensions (mm)	k	600 x 600										
System		Exposed den Exposed - Bo Exposed - Co	andraster, der	mountable - S	System I.3 stem F.3							
Weight	Kg	8.0 kg / m²										
Colour		White										
Sound absorption		EN ISO 354 α _w = 0.10(L)	as per EN IS	60 11654 - C	Class N/A							
		Frequency f	(Hz)			125	250	500	1000	2000	4000	
		α _P NRC = 0.10	as per ASTM	C 423		0.25	0.15	0.10	0.10	0.10	0.05	
Sound attenuation		EN ISO 108 D _{n,f,w} = 37 dE		SO 717-1								
Fire reaction	F	Euroclass A2	2-s1,d0 as pe	er EN 13501	-1		RUS KMO) (NG) as	per FZ 12	3		
Light reflectance	7	84%										
Humidity resistance	44	100% RH										
Indoor air quality		A+	E1									
Cleanability		P						- Declude 24		Devisionation		

In all environments where humidity conditions could regularly reach and/or exceed 90% RH we recommend the use of our Prelude 24 Corrosive Resistant grid and associated accessories.

ARMSTRONG NEWTONE



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

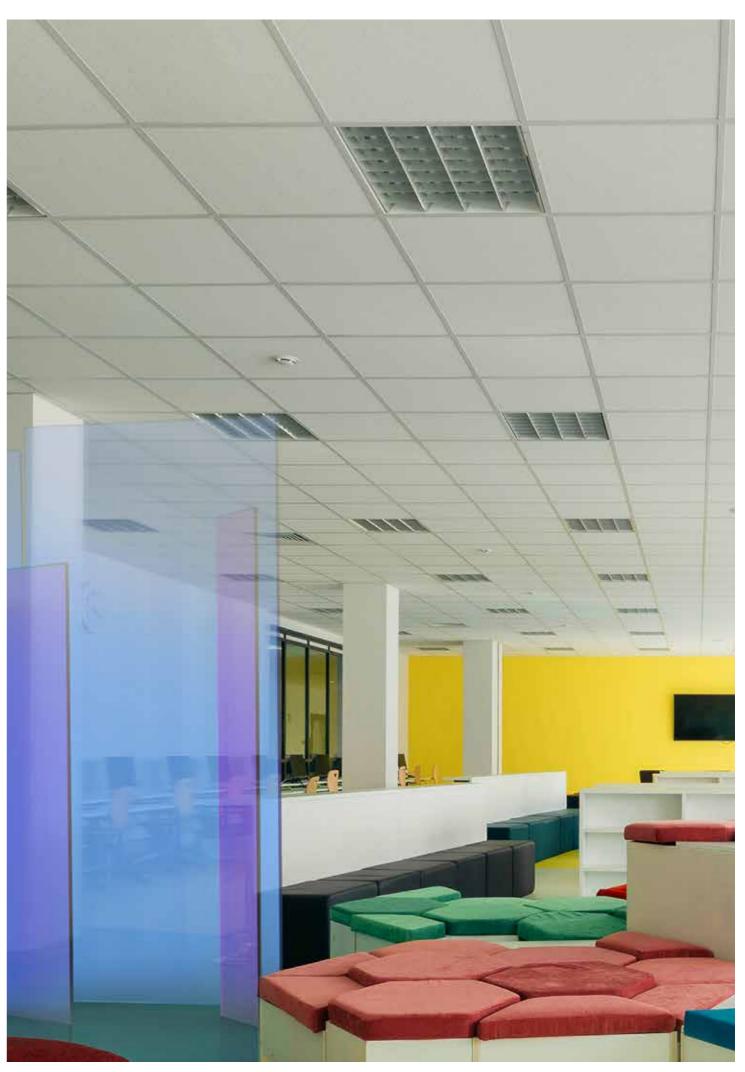


Classic Plain

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









ARMSTRONG PLAIN

Edge details	Board	Tegular 24			Tegula	r 15			
Additional edge details on request						Ĵ 5			
Thickness (mm)	15	15			15				
Dimensions (mm) Additional sizes on request	600 x 600 1200 x 600	600 x 600 1200 x 600			600 1200	x 600 x 600			
System	Exposed - Bandraster, demountal	Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3							
Weight Ka	3.5 - 3.8 kg / m²								
Colour	White								
Sound absorption	EN ISO 354 α _w = 0.20(L) as per EN ISO 116.	54 - Class E							
	Frequency f (Hz)		125 0.30	250 0.25	500 0.15	1000 0.15	2000 0.25	4000 0.30	
	α _P NRC = 0.20 as per ASTM C 423	1	0.30	0.25	0.15	0.15	0.25	0.30	
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 34 dB as per EN ISO 717	'-1							
Fire reaction	Euroclass A2-s1, d0 as per EN 1	13501-1		RUS KM1	(G1, V1,	D1, T1)	as per FZ	123	
Light reflectance	88%								
Thermal conductivity	λ = 0.060 W/m K as per EN 12	2667							
Humidity resistance	95% RH								
Indoor air quality 🕞	A+ E1								
Cleanability	2								
Sustainability	еківо 14021 31 - 48%								

ARMSTRONG PLAIN

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





AMF THERMATEX® Schlicht

- AMF THERMATEX[®] Schlicht offers a white, smooth surface that creates an elegant ceiling appearance and provides excellent light reflection
- Excellent light reflectance (88%)
- ISO 4
- Ideal for healthcare environments, laboratories or treatment rooms

AMF THERMATEX® SCHLICHT

Edge details		Board	Tegular 24
Additional edge details on request			24
	_ ↓ _		15
Thickness (mm)	<u>↓</u>	15	15
Dimensions (mm)	k	600 x 600 625 x 625	600 x 600 625 x 625
Additional sizes on request		1200 x 600 1250 x 625	1200 x 600
System		Exposed - Band	untable - System C Iraster, demountab dor, demountable
Weight	Kg	3.6 - 5.0 kg / n	1 ²
Colour		White	
Sound absorption		EN ISO 354	
		α _w = 0.10 (L) α Frequency f (H:	s per EN ISO 1165 z)
		α _P	1
	_	NRC = 0.10 as	per ASTM C 423
Sound attenuation		EN ISO 10848 D = 34 dB ($^{-1}$	-2 15mm) as per EN 1
		$D_{n,f,w} = 38 dB ($	19mm) as per EN 1
Sound reduction	¥	EN ISO 10140- R = 21 dB as r	2 ber EN ISO 717-1
Fire reaction	<u>7</u>	w .	1, d0 as per EN 13
The reaction	T	LUIUCIUSS M2-S	
Light reflectance		88%	
Thermal conductivity	J	$\lambda = 0.060 W/$	m K as per EN 12
Humidity resistance	**	95% RH	
Clean room	¥	ISO 4 as per El	N ISO 14644-1
Indoor air quality	Ŧ	A+	E1
Cleanability		P	
Sustainability		EN ISO 14021	NOSOLUBLE WOOL



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Tegular 15	Fine	êsse Î	+ -8 -	_			
	<u>e</u>	24	- <u>e</u> l	_			
15	19						
600 x 600	600) x 600					
e - System I.3 System F.3	Cor	ncealed, d	emountab	le - Systen	n A.2 / A.	3	
1							
	125	250	500	1000	2000	4000	
	0.25	0.20	0.10	0.05	0.05	0.10	
0 717-1 0 717-1							
501-1	RUS	5 KM1 (G	1, V1, D	l , T1) as p	oer FZ 123		
67							



ARMSTRONG RETAIL

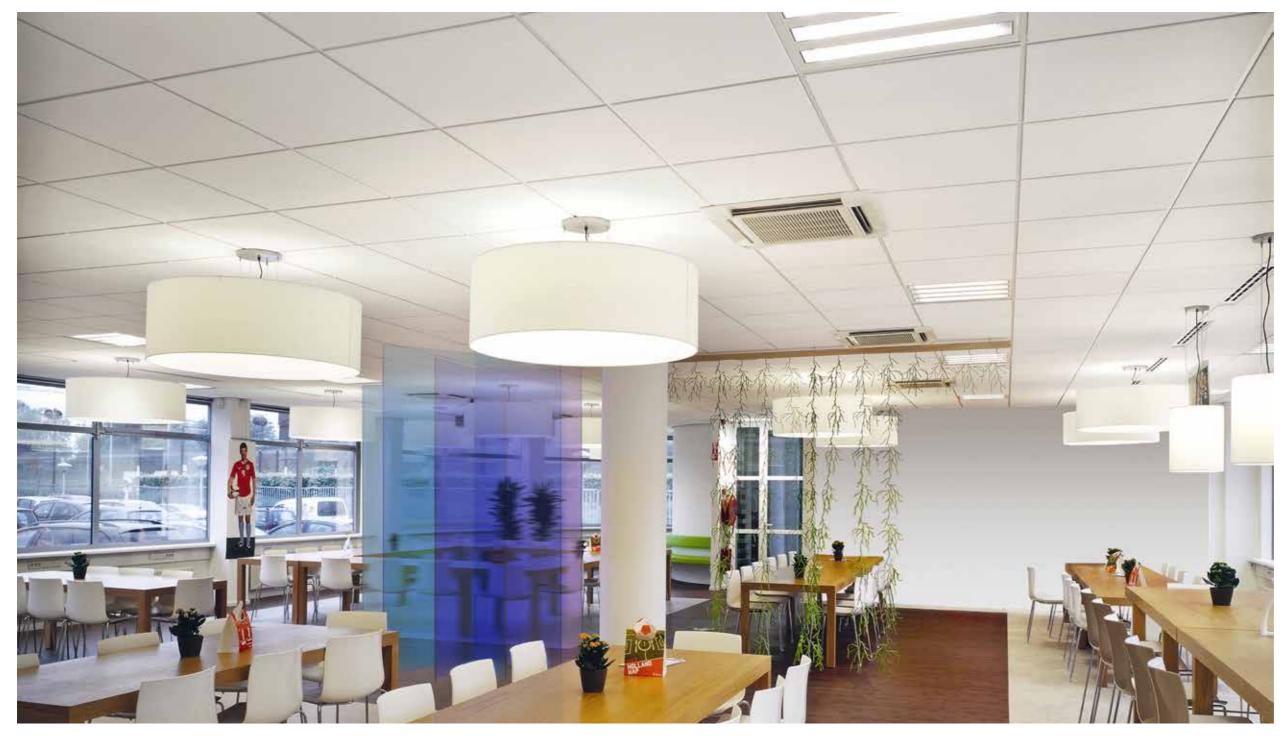
- Armstrong RETAIL offers a smooth, unperforated contemporary visual that provides energy savings due to its high level of light reflectance
- Excellent light reflectance (87%) • Ideal for retail environments

50 9007 4001

ARMSTRONG RETAIL

Edge details		Board										
		Ĵ										
		24										
Thickness (mm)	<u>↓</u>	12										
Dimensions (mm)	 	600 x 600 1200 x 600										
System		Exposed - B	mountable - S andraster, der Corridor, demo	ystem C mountable - Sy puntable - Syste	rstem I.3 em F.3							
Weight	Kg	3.1 kg / m²										
Colour	E	White										
Sound absorption		EN ISO 354										
		α = 0.15(L Frequency		60 11654 - Clc		105	250	500	1000	2000	4000	
			Γ (T IΖ)			125 .30	250 0.25	500 0.15	1000 0.10	2000 0.10	4000 0.20	
			as per ASTM	C 423	0		0.20	0.10	0.10	0.10	0.20	
Sound attenuation		EN ISO 108 D _{n,f,w} = 31 d	348-2 B as per EN I:	SO 717-1								
Fire reaction	<u></u>	Euroclass A	2-s1, d0 as p	oer EN 13501-	1	R	US KM1	(G1, V1	, D1, T1)	as per FZ	123	
Light reflectance		87 %										
Thermal conductivity	ł	λ = 0.060 1	W/m K as pe	er EN 12667								
Humidity resistance	44	90% RH										
Indoor air quality		A+	E1									
Cleanability		Z										
Sustainability		%		Č								
		EN ISO 14021 46%	EC 1272/2008 Annex Q	www.blauer-	engel.de/uz132							

CEILING SOLUTIONS



Classic Sanded

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







ARMSTRONG DUNE SUPREME

- Armstrong DUNE Supreme features a microperforated finely sanded surface combining good levels of sound absorption and sound attenuation, making it an ideal choice for many spaces
- Good sound absorption (0.55 α_w) and sound attenuation (34dB)
- Good light reflectance (85%)
- Ideal for office and learning applications

ARMSTRONG DUNE SUPREME

Edge details	Board	Tegular 24			Tegulo	ır 15				
Additional edge details on request		<u> </u>								
Thickness (mm)	<u>↓</u> 15	15			15					
Dimensions (mm) Additional sizes on request	600 x 600 1200 x 600	600 x 600 1200 x 600			600 x 600 1200 x 600					
System	Exposed - Bandraster, demounta	Exposed demountable - System C Exposed - Bandraster, demountable - System 1.3 Exposed - Corridor, demountable - System F.3								
Weight	م 3.6 - 4.0 kg / m²									
Colour	White									
Sound absorption	EN ISO 354 $\alpha_{w} = 0.55$ as per EN ISO 11654	- Class D								
	Frequency f (Hz)		125	250	500	1000	2000	4000		
	α _p NRC = 0.50 as per ASTM C 423	3	0.40	0.45	0.55	0.60	0.50	0.45		
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 34 dB as per EN ISO 717	7-1								
Sound reduction	EN ISO 10140-2 R _w = 17 dB as per EN ISO 717-1	1								
Fire reaction	Euroclass A2-s1, d0 as per EN	13501-1	I	RUS KM1	(G1, V1	, D1, T1)	as per FZ	123		
Light reflectance	85%									
Thermal conductivity	λ = 0.060 W/m K as per EN 1	12667								
Humidity resistance	95 - 99% RH									
Indoor air quality	A+ E1									
Cleanability		2								
Sustainability	2 2 4 2 - 43%									

CEILING SOLUTIONS

50 9007 50 14001



ARMSTRONG **DUNE MAX**



- Armstrong DUNE Max features a microperforated, finely sanded surface, offering improved levels of sound absorption and sound attenuation, making it a great choice for areas requiring Class C sound absorption
- Good sound absorption (0.70 α_w) and high sound attenuations (38 dB)
- Good light reflectance (85%)
- Ideal for classrooms and learning applications

ARMSTRONG DUNE MAX

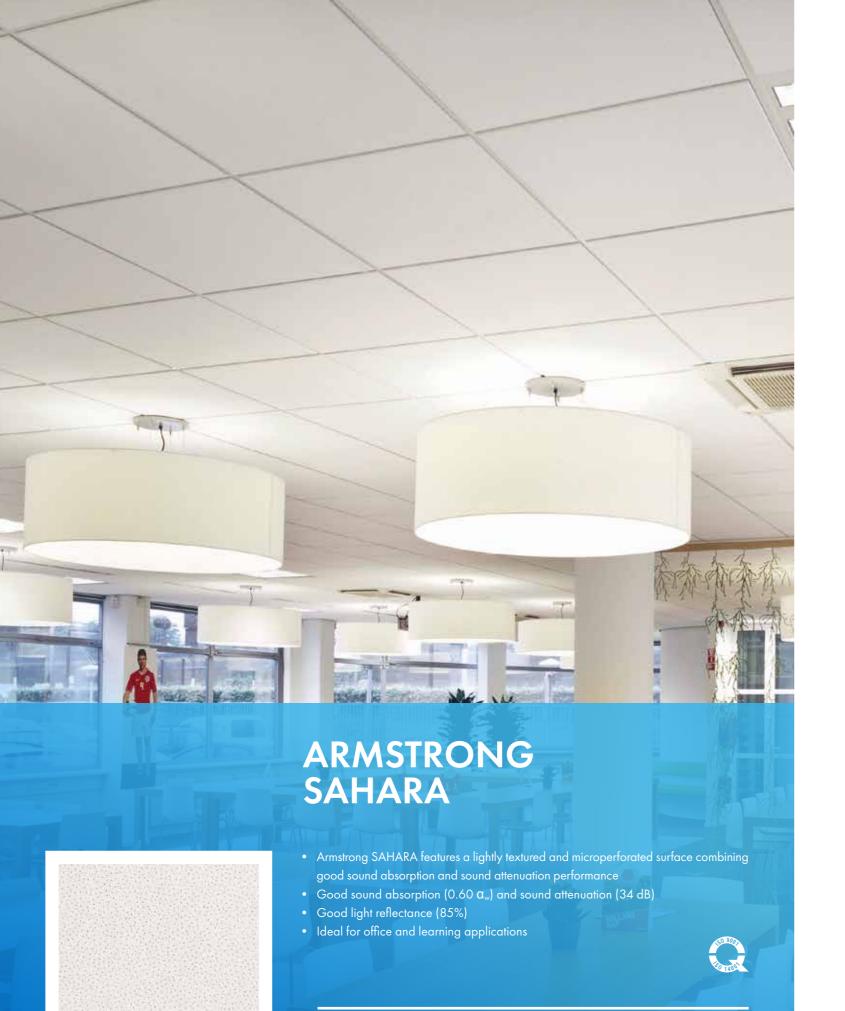
Edge details	Board
Additional edge details on request	
Thickness (mm)	19
Dimensions (mm) Additional sizes on request	600 x 600
System	Exposed demountable - System C Exposed - Bandraster, demountabl Exposed - Corridor, demountable -
Weight KG	5.0 kg / m²
Colour	White
Sound absorption	EN ISO 354 $\alpha_w = 0.70$ as per EN ISO 11654 - Frequency $f(Hz)$ α_p Board, Tegula
	α _p Board, Tegula NRC = 0.70 as per ASTM C 423
Sound attenuation	EN ISO 10848-2 D _{n,f,w} = 38 dB as per EN ISO 717-
Sound reduction	EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1
Fire reaction	Euroclass A2-s1, d0 as per EN 13
Light reflectance	85%
Thermal conductivity	λ = 0.060 W/m K as per EN 12
Air permeability	PM1 (≤ 30 m³/hm²) as per DIN
Humidity resistance	90% RH
Indoor air quality 📄	A+ E1
Cleanability	
Sustainability	Image: With the second secon

CEILING SOLUTIONS

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

	Tegu	ılar 24 Û					
	8	<u> _24_</u>					
	19						
	600	x 600					
e - System I.3 System F.3							
Class C							
	125	250	500	1000	2000	4000	
	0.40	0.60	0.70	0.80	0.80	0.55	
]							
501-1	F	RUS KM1	(G1, V1,	D1, T1)	as per FZ	123	
67							
18177							
>							
lauer-engel.de/uz1	32						
Jonato, dE l							



ARMSTRONG SAHARA

Edge details	Board	Teg	ular 24	Tegular 15	Ve	ctor		SL2		
Additional edge details on request		<u></u>			51 E					<u></u>
Thickness (mm)	↓ ↑ 15	15		15	24			19		
Dimensions (mm) Additional sizes on request	600 x 675 x 1200 x 1500 x 1800 x	675 67 600 120 300	00 x 600 75 x 675 00 x 600	600 x 600 675 x 675 1200 x 600 1200 x 300	60	00 x 600		1500 x 3 1800 x 3 2500 x 3	00	
System	Exposed	Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3 Exposed - Corridor, demountable - System F.3							n I.3 Iks - Bandraster n I.2 rridor,	
Weight		0 kg / m² (15 / m² (24mm)	- 19mm)							
Colour	White	White								
Sound absorption		60 as per EN	ISO 11654 -	Class C						1000
	Freque	ency f (Hz) E	Board, Tegula	ar, Vector	125 0.45	250 0.40	500 0.55	1000 0.65	2000 0.65	4000 0.60
	NRC =	0.55 as per A	SL2		0.35	0.45	0.60	0.65	0.55	0.45
Sound attenuation		0 10848-2		EN ISO 717-1		D _{n,f,w} = 38	dB (19mi	m) as per E	in ISO 71	7-1
Sound reduction		0 10140-2 7 dB (15mm) a	s per EN ISC) 717-1		R _w = 21 d	B (19mm)	as per EN	ISO 717-	1
Fire reaction	Euroclo	ss A2-s1, d0	as per EN 13	3501-1		RUS KM	(G1, V1	, D1, T1)	as per FZ	123
Light reflectance	85%									
Thermal conductivity	λ = 0.0	060 W/m K	as per EN 12	667						
Humidity resistance	95% R	H								
Indoor air quality		E1	Ì							
Cleanability	<i>P</i>			2						
Sustainability	2% EN ISO 1402 37 - 43									

CEILING SOLUTIONS





AMF THERMATEX® Feinstratos

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



AMF THERMATEX® FEINSTRATOS

Edge details		Board A	Tegular 24 Ç	Tegular 15 Ĵ	Finesse û	SL2 û	K2C2 Ŷ
Additional edge details on request							
Thickness (mm)	 ↓ ↑ 	15	15	15	19	19	15
Dimensions (mm) Additional sizes on request	 	600 × 600 625 × 625 1200 × 600 1250 × 625 1800 × 300 2500 × 300	600 x 600 625 x 625 1200 x 600	600 x 600 625 x 625 1200 x 600	600 x 600	2000 x 312,5 2500 x 312,5	2000 x 312,5 2500 x 312,5
System	<u> </u>	Exposed - Band	untable - System (draster, demountabl idor, demountabl	Semi-concealed planks, demountable - System I.3 Semi-concealed planks - Bandraster, demountable - System I.2 Semi-concealed planks - Corridor, demountable - System F.2	Semi-concealed planks, non-demo- untable - System I.3 Semi-concealed planks - Bandraster, non-demountable - System I.1 Semi-concealed planks - Corridor, non-demountable - System F.1		
Weight		3.8 - 5.0 kg /	′ m²				
Colour		White					
Sound absorption		Frequency f (α _P α _P		gular 24, Tegular 2	125 250 15, K2C2 0.35 0.20 0.50 0.50	0.15 0.15	2000 4000 0.20 0.20 0.65 0.50
Sound attenuation		EN ISO 1084 D _{n,f,w} = 34 dB D _{n,f,w} = 38 dB	(Board, Tegula	ır 24, Tegular 15, as per EN ISO 7	K2C2) as per EN ISO 717 17-1	-1	
Sound reduction	×.	EN ISO 1014					
Fire reaction	T	Euroclass A2	- s 1, d0 as per l	en 13501-1	RUS K I	M1 (G1, V1, D1, T1) as per FZ 123
Light reflectance		85%					
Thermal conductivity	Ą	$\lambda = 0.060 W$	//m K as per E	N 12667			
Humidity resistance	44	95% RH					
Indoor air quality	+	A+	EN 13564				
Cleanability		P	Suches Constraints				
Sustainability		ен ISO 14021 37-43%	BIOSOLUBLE WOOL CONSTRUCTION EC 1272/2008 Avent O				





AMF THERMATEX® Feinstratos Micro

- AMF THERMATEX[®] Feinstratos Micro features a finely textured surface and creates an even, uniform ceiling appearance with good sound absorption
- Good sound absorption (0.60 α_w)
- Good to high sound attenuation (34 dB: 15mm 38 dB: 19mm)
- Good light reflectance (85%)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

AMF THERMATEX® **FEINSTRATOS MICRO**

		_	_								
Edge details		Board	Tegular 24	Tegular 15	SL2		Finesse		K2C	2	
Additional edge details		<u> </u>	Î	Û 	Û		Û			Ô	
on request		 24			24				-	28	
Thickness (mm)	↓ ↑	15, 19	15, 19	15	19		19		15		
Dimensions (mm)		600 x 600	600 x 600	600 x 600	1500 x 300		600 x 600) x 312,5	
Additional sizes on request		625 x 625 1200 x 600 1250 x 625	625 x 625 1200 x 600	625 x 625 1200 x 600	1800 x 300 2000 x 312,5 2500 x 300 2500 x 312,5		625 x 625 1200 x 600		2500) x 312,5	
System		Exposed - Band	untable - System C Iraster, demountal idor, demountable	ole - System I.3	demountable - Sy Semi-concealed p Bandraster, demo - System I.2 Semi-concealed p	Semi-concealed planks - Corridor, demountable -			e - Semi-concealed planks, non-demountable - System I.3 Semi-concealed planks - Bandraster, non- demountable - System I.1 Semi-concealed planks - Corridor, non- demountable - System F.1		
Weight	Kg	3.9 - 5.0 kg ,	/ m ²								
Colour		White									
Sound absorption		en ISO 354									
			s per EN ISO 1	1654 - Class							
		Frequency f	(Hz)		125	250		1000	2000	4000	
		α_p	as per ASTM	C 123	0.50	0.50	0.55	0.70	0.65	0.50	
		EN ISO 108		0 420							
Sound attenuation					5mm, Tegular 15 9mm, Finesse, SL				1		
Sound reduction	Ť	EN ISO 1014									
		R _w = 21 dB c	as per EN ISO	717-1							
Fire reaction	T	Euroclass A2	2-s1, d0 as pe	r EN 13501-1	RUS KM1 (G	1, V1, I	D1, T1) as p	er FZ 123			
Light reflectance		85%									
Thermal conductivity	Ð	λ = 0.060 V	V/m K as per	EN 12667							
Humidity resistance	44	95% RH									
Indoor air quality	1	A+	EN 13964								
Cleanability		<i>P</i>									
Sustainability		EN ISO 14021 37-43%	BIOSOLUBLE WOOL EC 1272/2008 Arms: Q								





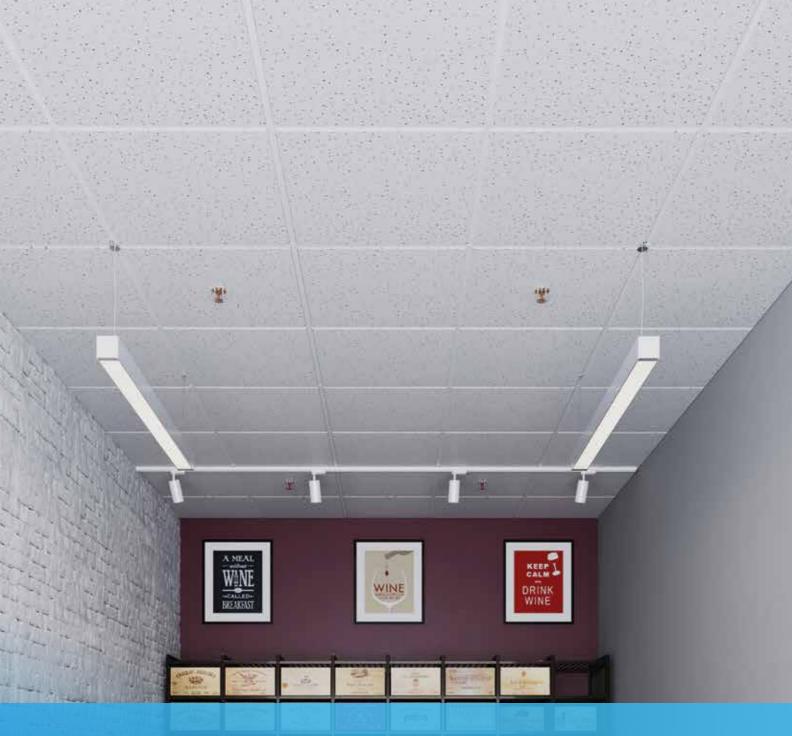
AMF THERMATEX® Feinstratos Micro Complete

- AMF THERMATEX[®] Feinstratos Micro Complete features a finely textured surface and creates a uniform ceiling appearance with good sound absorption
- Good sound absorption (0.70 α_{w})
- Good sound attenuation (34 dB)
- Good light reflectance (85%)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

AMF THERMATEX® FEINSTRATOS MICRO COMPLETE

Edge details	Board	
Additional edge details on request		
Thickness (mm)	15	
Dimensions (mm)	600 x 600	
Additional sizes on request		
System	Exposed demountable - System C Exposed - Bandraster, demountable - System 1.3 Exposed - Corridor, demountable - System F.3	
Weight 🧾	4.0 kg ∕ m²	
Colour	White	
Sound absorption	EN ISO 354 α, = 0.70 as per EN ISO 11654 - Class C	
		00 4000
	$\alpha_{\rm p}$ 0.45 0.65 0.70 0.80 0. NRC = 0.70 as per ASTM C 423	75 0.50
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 34 dB as per EN ISO 717-1	
Sound reduction	EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1	
Fire reaction	Euroclass A2-s1, d0 as per EN 13501-1 RUS KM1 (G1, V1, D1, T1) as per	er FZ 123
Light reflectance	85%	
Thermal conductivity	λ = 0.060 W/m K as per EN 12667	
Humidity resistance	95% RH	
Indoor air quality	A+ E1	
Cleanability		
Sustainability	EXCRACTED AND AND AND AND AND AND AND AND AND AN	





ARMSTRONG FERIA

- Armstrong FERIA features a perforated, lightly granulated surface offering a good combination of sound absorption and sound attenuation
- Good light reflectance (85%)



CEILING SOLUTIONS

ARMSTRONG FERIA

Edge details	- Board	Tegular 24
Thickness (mm)	14	14
Dimensions (mm)	600 x 600 1200 x 600	600 × 600
System	Exposed demountable - System C Exposed - Bandraster, demountable - System Exposed - Corridor, demountable - System F.3	m 1.3 F.3
Weight	3.3 kg ∕ m²	
Colour	White	
Sound absorption	EN ISO 354 $\alpha_{w} = 0.50$ as per EN ISO 11654 - Class D	
	Frequency f(Hz)	125 250 500 1000 2000 4000 0.05 0.40 0.50 0.40 0.55 0.50
	α _p NRC = 0.50 as per ASTM C 423	0.35 0.40 0.50 0.60 0.55 0.50
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 32 dB as per EN ISO 717-1	
Fire reaction	Euroclass A2-s1, d0 as per EN 13501-1	RUS KM1 (G1, V1, D1, T1) as per FZ 123
Light reflectance	85%	
Thermal conductivity	λ = 0.060 W/m K as per EN 12667	
Humidity resistance	90% RH	
Indoor air quality	A+ E1	
Cleanability		
Sustainability	С. 172000 Анке 0 33%	



Classic Fissured/ Perforated

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









AMF THERMATEX® Star 15mm

- AMF THERMATEX[®] Star 15mm features fine, uneven perforations with a smooth surface finish, and meets the needs for a modern, elegant design visual
- Good sound absorption (0.60 α_{w})
- Good sound attenuation (34 dB)
- Excellent light reflectance (88%)

AMF THERMATEX® STAR 15MM

Edge details		Board	Tegular 24	Tegular 15	K2C2							
Additional edge details		Ŷ	Û	Û . I	Û							
on request		_24_										
Thickness (mm)	↓ ↑	15	15	15	15							
Dimensions (mm)	+>	600 x 600 625 x 625	600 x 600 625 x 625	600 x 600 625 x 625	2000 x 312,5 2500 x 312,5							
Additional sizes on request		1200 x 600 1250 x 625 2500 x 300	1200 x 600	1200 x 600	2500 x 512,5							
System		Exposed - Band	Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3									
Weight	Ka	3.6 - 3.8 kg / m	.6 - 3.8 kg / m²									
Colour		Vhite										
Sound absorption	111	EN ISO 354 α_ = 0.60 as pe	er EN ISO 11654 -	Class C								
		Frequency f (Hz			125 250	500	1000	2000	4000			
				C	0.45 0.50	0.55	0.70	0.65	0.50			
		NKC = 0.00 as	per ASTM C 423									
Sound attenuation			2 ooard, Tegular 24, (2C2) as per EN IS		r EN ISO 717-1							
Sound reduction		EN ISO 10140-1 R _w = 21 dB as p	2 er EN ISO 717-1									
Fire reaction	<u>E</u>	Euroclass A2-s 1	I , d0 as per EN 13	3501-1	RUS KM1	(G1, V1,	D1, T1)	as per FZ	123			
Light reflectance		88%										
Thermal conductivity	<u> </u>	λ = 0.060 W/	m K as per EN 12	667								
Humidity resistance		95% RH										
Indoor air quality	Ŧ	A+	EN 13964									
Cleanability			Norse of the second sec									
Sustainability		кльство иноги 37-48%	OSOLUBLE WOOL									



AMF THERMATEX[®] STAR 19MM

	Edge details Additional edge details on request	Tegular 24	SL2								
	Thickness (mm)	19	19		19						
	Dimensions (mm) Additional sizes on request	600 x 600	1800 × 300 2000 × 312,5 2500 × 300 2500 × 312,5		625 x 625	625 x 625					
	System	Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3	Semi-concealed plar - System I.3 Semi-concealed plar demountable - Syster Semi-concealed plar demountable - Syster	nks - Bandraster, m I.2 nks - Corridor,	Concealed, non-d System A.1	emountable -					
	Weight	5.0 kg / m²									
	Colour	White									
-	Sound absorption	EN ISO 354 $\alpha_w = 0.60$ as per EN ISO 11654 - C Frequency $f(Hz)$ α_p NRC = 0.55 as per ASTM C 423	2 1ass C 125 0.40	250 500 0.45 0.55	1000 2000 0.65 0.60	4000 0.45					
	Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 38 dB as per EN ISO 717-1									
1	Sound reduction	EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1									
KØ.	Fire reaction	Euroclass A2-s1, d0 as per EN 13501-1 RUS KM1 (G1, V1, D1, T1) as per FZ 123									
	Light reflectance	88%									
	Thermal conductivity	λ = 0.060 W/m K as per EN 1260	67								
	Air permeability	PM1 (≤ 30 m³/hm²) as per DIN 18 [°]	177								
	Humidity resistance	95% RH									
oth	Indoor air quality	A+ E1									
	Cleanability										
	Sustainability	BIOSOLUELE WOOL EX 15:0 14021 37-48%	kauer-engel.de/uz132								
S MF	Products may vary from country to country Please contact your local sales representat For further information and lead potice, pl	ive.	2021		Inneufacilian	solutions com					

AMF THERMATEX® Star 19mm

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• AMF THERMATEX[®] Star 19mm features fine, uneven perforations with a smooth surface finish, and meets the needs for a modern, elegant design visual

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- High sound attenuation (38 dB)
- Excellent light reflectance (88%) • Ideal for retail, offices and installations rooms

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



AMF THERMATEX® STAR COMPLETE



AMF THERMATEX® Star Complete

- With its perforated surface, AMF THERMATEX[®] Star Complete offers an elegant, modern solution for spaces that require good sound absorption
- Good sound absorption (0.70 α_{w})
- Good sound attenuation (34 dB)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

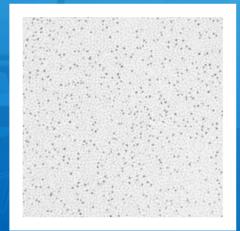
Tegular 24			Tegulo	ar 15			
				<u>i</u>			
15			15				
625 x 625 600 x 600 1200 x 600				x 600 x 600			
e - System I.3 System F.3							
Class C							
	125	250	500	1000	2000	4000	
	0.50	0.65	0.70	0.80	0.75	0.50	
501-1		RUS KM1	(G1, V1,	D1, T1)	as per FZ	123	
67							
3177							
MOOL MINE O	blauer-enge	I.de/uz132					



AMF THERMATEX[®] MERCURE

Edge details ■ Board Additional edge details on request □ □ Thickness (mm) ↑ 15 Dimensions (mm) ↑ 600 × 600 1200 × 600 Additional sizes on request Exposed demountabe Exposed - Bandraster Exposed - Corridor, or		Tegular 24			Tegula Î	ir 15		
on request		15			15	<u>}</u>		
Dimensions (mm) 600 × 600 Additional sizes 1200 × 600 on request Exposed demountabe System Exposed demountabe					15			
Additional sizes 1200 × 600 System Exposed demountable Exposed - Bandraste		600 x 600						
Additional sizes on request System Exposed demountable Exposed - Bandraste					600 x	600		
Exposed - Bandraste								
	er, demountabl							
Weight 3.6 - 3.8 kg / m²								
Colour White								
Sound absorption EN ISO 354 $\alpha_w = 0.60$ as per EN	N ISO 11654 -	Class C						
Frequency f (Hz)			125	250	500	1000	2000	4000
α _p			0.45	0.40	0.50	0.70	0.70	0.65
NRC = 0.60 as per <i>i</i>	ASTM C 423							
Sound attenuation EN ISO 10848-2 D _{n,f,w} = 32 dB as per	r EN ISO 717-	1						
Sound reduction \mathbf{I} EN ISO 10140-2 $\mathbf{R}_{w} = 21 \mathbf{dB}$ as per El	N ISO 717-1							
Fire reaction Euroclass A2-s1, do	0 as per EN 13	3501-1	R	US KM1	(G1, V1,	D1, T1)	as per FZ	123
Light reflectance 85%								
Thermal conductivity $\lambda = 0.060 \text{ W/m K}$	as per EN 120	667						
Humidity resistance 95% RH								
Indoor air quality								
Cleanability								
Sustainability								

AMF THERMATEX® Mercure



- AMF THERMATEX[®] Mercure is a white ceiling panel featuring fine perforations, creating a modern, high-quality surface finish
- Good sound absorption (0.60 α_w)
- Good light reflectance (85%)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

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ARMSTRONG FINE FISSURED

Edge details	Board	Tegular 24		Tegular (r 15			
Thickness (mm)	15 - 19	15 - 19		15				
Dimensions (mm)	600 x 600 1200 x 600	600 x 600		600 x	600			
System	Exposed demountable - System C Exposed - Bandraster, demountab Exposed - Corridor, demountable	le - System I.3 - System F.3						
Weight	3.8 - 5.0 kg / m²							
Colour	White							
Sound absorption	EN ISO 354	54 - Class C 125 0.40	250 0.40	500 0.55	1000 0.75	2000 0.75	4000 0.75	
Sound attenuation	EN ISO 10848-2 D _{n,f,w} = 32 dB (15mm) as per EN	ISO 717-1	D _{n,f,w} = 38 c	IB (19mr	n) as per l	en iso 7	17-1	
Fire reaction	Euroclass A2-s1, d0 as per EN 13	3501-1	RUS KM1	JS KM1 (G1, V1, D1, T1) as per FZ 123				
Light reflectance	85%							
Thermal conductivity	λ = 0.060 W/m K as per EN 12	667						
Humidity resistance	95% RH							
Indoor air quality	Image: Second							
Cleanability	2							
Sustainability	Image: State of 1421 Image: State of 1421 43 - 48% WWW	.blauer-engel.de/uz132						





ARMSTRONG CASA



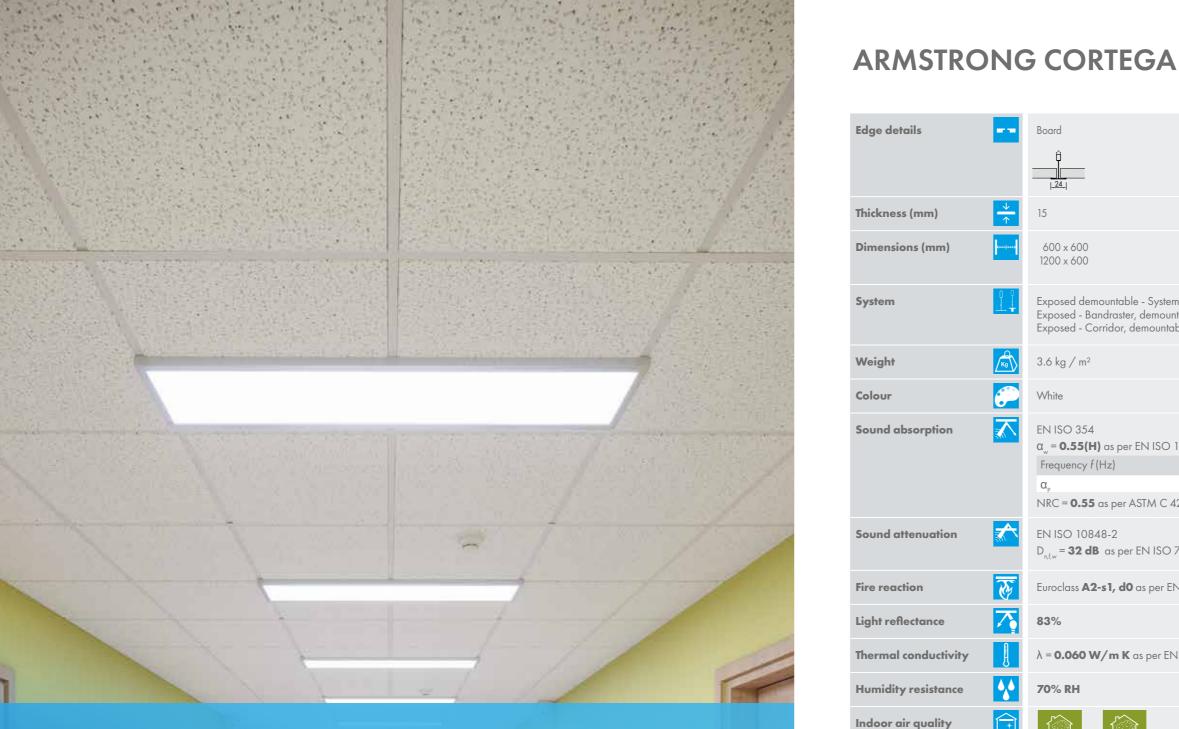
- Armstrong CASA is a white microperforated surface pattern ceiling tile offering a good combination of sound absorption and sound attenuation
- Excellent light reflectance (88%)
- Ideal for meeting rooms, circulation and waiting areas



CEILING SOLUTIONS

ARMSTRONG CASA

Edge details	Board	Te	egular 24				
Additional edge details on request		_					
Thickness (mm)	15	15	5				
Dimensions (mm) Additional sizes on request	600 x 600 625 x 625 1200 x 600	6	500 x 600				
System	Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3						
Weight K	3.8 kg / m²						
Colour 🧬	White						
Sound absorption	EN ISO 354 $\alpha_w = 0.55(H)$ as per EN ISO 11654 - Class D Frequency f (Hz) α_p NRC = 0.55 as per ASTM C 423	125 0.45	250 0.40	500 0.45	1000 0.55	2000 0.70	4000 0.75
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 34 dB as per EN ISO 717-1						
Fire reaction	Euroclass A2-s1, d0 as per EN 13501-1		RUS KM1	(G1, V1	, D1, T1)	as per FZ	123
Light reflectance	88%						
Thermal conductivity	λ = 0.060 W/m K as per EN 12667						
Humidity resistance	95% RH						
Indoor air quality	A+ E1						
Cleanability							
Sustainability	KOROLURIA WOCK KOROLURIA WOCK						







ARMSTRONG CORTEGA

- Armstrong CORTEGA is a popular multi-directional fissured product
- Balanced acoustic solution with sound absorption (0.55(H) α_{w}) and sound attenuation (32 dB)



Products may vary from country to country.

Armstrong CEILING SOLUTIONS

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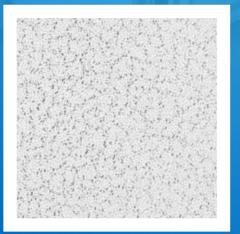
Cleanability

Sustainability

Board	Teau	lar 24					
Ŷ	logo	Ŷ					
	8	24					
15	15						
600 × 600 1200 × 600	600) x 600					
Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3							
3.6 kg / m²							
White							
EN ISO 354 α _w = 0.55(H) as per EN ISO 11654 - Class D							
Frequency f (Hz)	125	250	500	1000	2000	4000	
α _p NRC = 0.55 as per ASTM C 423	0.30	0.35	0.50	0.65	0.70	0.80	
EN ISO 10848-2 D _{n.f.w} = 32 dB as per EN ISO 717-1							
Euroclass A2-s1, d0 as per EN 13501-1	R	RUS KM1	(G1, V1,	D1, T1) a	as per FZ	123	
83%							
λ = 0.060 W/m K as per EN 12667							
70% RH							
Image: Second							
2							
Image: State of the s							



AMF THERMATEX® Feinfresko



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

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SMF

AMF THERMATEX® FEINFRESKO

Edge details Additional edge details on request	Board	Teg	jular 24 Î 1				
Thickness (mm)	15	15					
Dimensions (mm) Additional sizes on request	600 x 600 625 x 625 1200 x 600 1250 x 625		00 x 600 25 x 625				
System	Exposed demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3						
Weight	3.6 - 3.8 kg / m²						
Colour	White						
Sound absorption	EN ISO 354 α _w = 0.60 (H) as per EN ISO 11654 - Class C Frequency <i>f</i> (Hz) α _p NRC = 0.60 as per ASTM C 423	125 0.45	250 0.40	500 0.50	1000 0.70	2000 0.80	4000 0.75
Sound attenuation	EN ISO 10848-2 D _{n.f.w} = 32 dB as per EN ISO 717-1						
Sound reduction	EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1						
Fire reaction	Euroclass A2-s1, d0 as per EN 13501-1		RUS KM1	(G1, V1	, D1, T1)	as per FZ	123
Light reflectance	83%						
Thermal conductivity	λ = 0.060 W/m K as per EN 12667						
Air permeability	PM1 (≤ 30 m³/hm²) as per DIN 18177						
Humidity resistance	90% RH						
Indoor air quality 🔒 🔒	A+ E1						
Cleanability							
Sustainability	Image: Non-Weight Street Image: Non-Weight Street Image: Non-Weight Street Image: Non-Weight Street						



ARMSTRONG TATRA

Edge details	-	Board			Те	gular 24 A				
Additional edge details on request										
Thickness (mm)	<u>↓</u>	15			15					
Dimensions (mm)		600 x 600 1200 x 600			61	00 x 600				
Additional sizes on request		1250 x 625								
System		Exposed - Ban	untable - System draster, demoun ridor, demountal	table - System I.3						
Weight	Kg	3.6 - 3.8 kg /	m²							
Colour		White								
Sound absorption		EN ISO 354 α = 0.55(H)	as per EN ISO 1	11654 - Class D						
		Frequency f (H			125	250	500	1000	2000	4000
		α,			0.40	0.35	0.50	0.70	0.75	0.80
	_	NRC = 0.55 a	s per ASTM C 4	.23						
Sound attenuation		EN ISO 10848 D _{n.f.w} = 32 dB	3-2 as per EN ISO 7	717-1						
Fire reaction	3	Euroclass A2-s	51, d0 as per EN	√ 13501-1		RUS KM1	(G1, V1 ,	, D1, T1)	as per FZ	123
Light reflectance	7	83%								
Thermal conductivity	A	λ = 0.060 W /	/ m K as per EN	12667						
Humidity resistance	44	70% RH								
Indoor air quality		A+	E1							
Cleanability		P								
Sustainability		енібо 14021 37 - 48%								

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AMF THERMATEX® Fresko



• AMF THERMATEX[®] Fresko features an uneven textured finish and provides good sound absorption

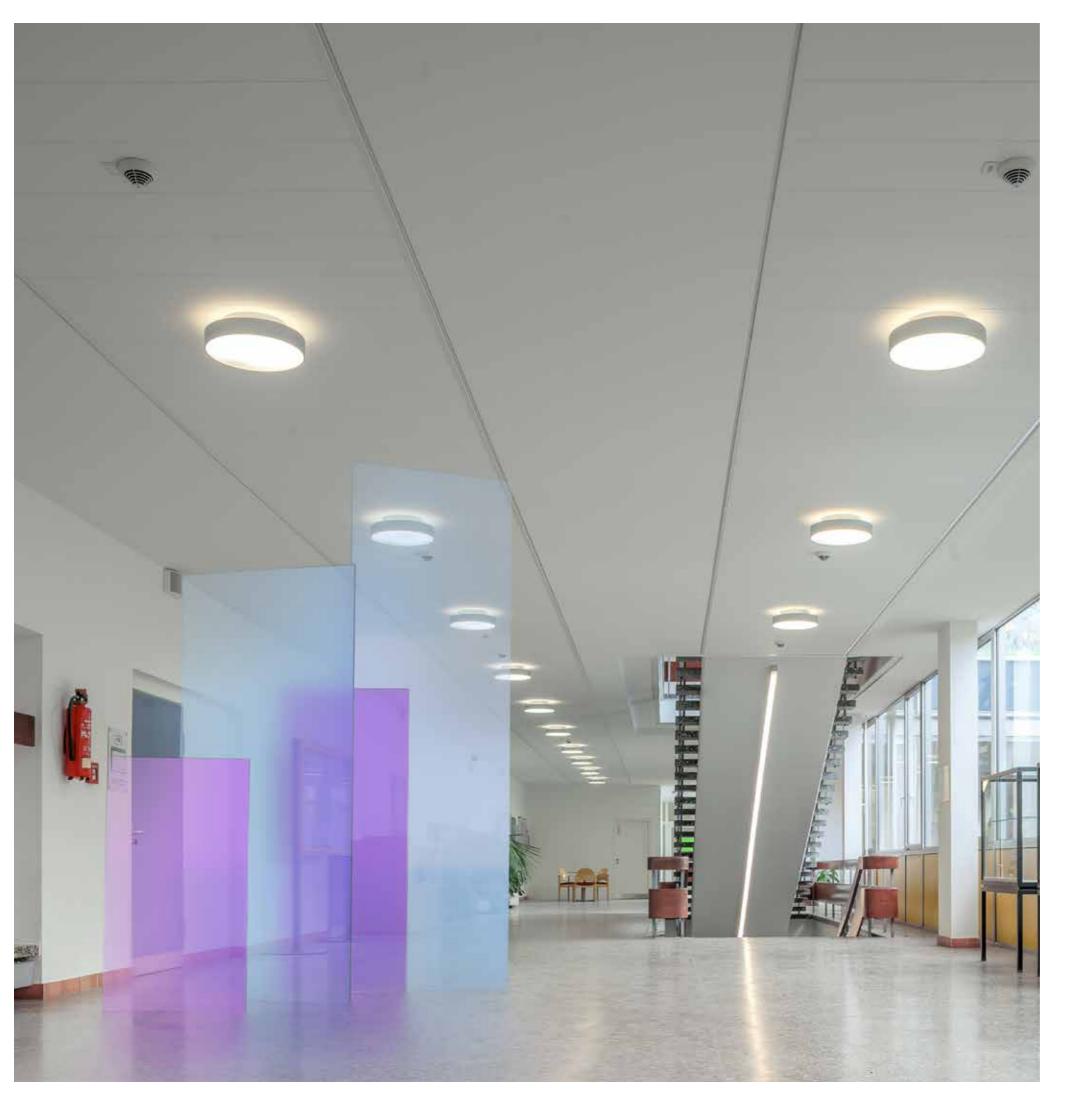
- Good sound absorption (0.60 (H) α_{w})
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

AMF THERMATEX® FRESKO

Edge details Additional edge details on request	**	Board		Teg	ular 24					
Thickness (mm)	↓ ↑	15		15						
Dimensions (mm) Additional sizes on request	, , , ,	600 x 600 625 x 625 1200 x 600 1250 x 625			0 x 600 5 x 625					
System		Exposed demountable - S Exposed - Bandraster, der Exposed - Corridor, demo	mountable - System I.3							
Weight	Kg	3.6 - 3.8 kg / m²								
Colour		White								
Sound absorption		EN ISO 354 α _w = 0.60 (H) as per EN Frequency f (Hz)	ISO 11654 - Class C	125	250	500	1000	2000	4000	
		α_{p} NRC = 0.60 as per ASTM	A C 423	0.45	0.40	0.50	0.70	0.80	0.75	
Sound attenuation		EN ISO 10848-2 D _{n.f.w} = 32 dB as per EN I								
Sound reduction	¥.	EN ISO 10140-2 R _w = 21 dB as per EN ISC	D 717-1							
Fire reaction	T	Euroclass A2-s1, d0 as p	per EN 13501-1	I	RUS KM1	(G1, V1,	, D1, T1)	as per FZ	123	
Light reflectance		83%								
Thermal conductivity	ł	λ = 0.060 W/m K as p	er EN 12667							
Air permeability	<u>TÎÎT</u>	PM1 (≤ 30 m³/hm²) as p	per DIN 18177							
Humidity resistance	•	90% RH								
Indoor air quality	+	Image: A+ E1								
Cleanability										
Sustainability		ек 150 жазт 37-48%	BIOSOLUBLE WOOL							



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Fire Protection

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

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

EXPERIENCE MORE POSSIBILITIES



AMF THERMATEX® Uno

Uno El 30

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

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





ARMSTRONG SUSPENSION SOLUTIONS "PRECISION MEETS PERFORMANCE"



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

DESIGN SOLUTIONS



Silhouette XL² is designed to create a crisp, clean look to provide an enhanced aesthetic. The channel profile finishes flush with the ceiling surface leaving a minimalist 3mm or 6mm reveal.

SPECIFIC SOLUTIONS



- and "non-magnetic" environments.
- with ship-lap SL2 planks.

CORRIDOR SOLUTIONS



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

AXIOM SOLUTIONS



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

GENERAL SOLUTIONS

A range of standard exposed grid suspensions systems including Prelude 15, Prelude 24, Prelude 24 Sixty² for longer spans, Prelude 35 and Bandraster.

• PEAKFORM 🏠

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

PRELUDE UNIVERSAL MAIN RUNNER

The Prelude Universal Main Runner supports the installation of either TL² or TL hook/butt cut Cross Tees or XL² stab/override Cross Tees from one simple inventory of Main Runners.

XL² CROSS TEES – "Click" installation

Prelude XL² Cross Tees feature an advanced stab system that locates with an audible click, ensuring a solid installation at all times.

TL² CROSS TEES – "Hook" installation

TL² is a highly engineered staked-on hook solution with a patented clip.

TL CROSS TEES – "Hook" installation

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

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





Interlude HRC XL² is a unique double reveal solution developed to allow flexibility of layout for creative ceiling solutions and give a clean sophisticated appearance.

 Clean Room 24 is a unique co-extrusion of aluminium with a PVC gasket to create a better seal between tile and grid for clean room applications

• Prelude 24 Corrosive Resistant has a special paint finish and is designed for areas requiring enhanced corrosion resistance.

• System Z is a system providing an accessible semi-concealed appearance

• Seismic Rx[®] is a specific installation method for Prelude 24 grid with XL² Cross Tees combined with specialist accessories.



DONN® "COMPETENT AND COMPATIBLE"



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

PRODUCT BENEFITS

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



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

STABLE AND SECURE CEILING GRID STRUCTURE

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

PROVEN DONN® SYSTEM PORTFOLIO

DX Standard

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

Design & Aesthetic

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

Function & Creativity

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







AMF VENTATEC® "QUALITY AND FLEXIBILITY"



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

Individual and flexible ceiling grid structure

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

PRODUCT BENEFITS

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

Certified in fire protection

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



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









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