

Experience More Innovation

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ExperienceMore Innovation

With functional, natural and sustainable mineral solutions

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

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

Spectacular projects can only become reality if the possibilities between functionality and design live in harmony. Our new harmonised Mineral Solutions range enables customers endless varieties of sizes, shapes and edge designs in all system layouts. The high-quality mineral tiles are produced in a wet-felt tile process that uses natural, sustainable raw materials, including biosoluble mineral wool, perlite, clay and starch.

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

ProductionNetwork

Experience our large and comprehensive network

Through the local presence of nine state-of-the-art production facilities in six 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 Pontarlier (FR)Mineral

03 Valenciennes (FR)Grid

04 Dreux (FR)Grid

05 Ferndorf (AT) Wood Wool

06 Rankweil (AT) Metal

07 Antwerp (BE) Slitting



APAC

08 Wujiang (CN) Mineral & Grid

09 Pune (IN) Grid



Acoustical Solutions for Every Space

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.

FirePerformance

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.

Fire Reaction

In case of a fire in the ceiling void (incidentally,

the most common fire source) the underlying

Fire resistant certificates such as the German

abP-certificates are available on request.

Uno fire rated ceiling for 30 minutes.

escape routes are protected by AMF THERMATEX®

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

In certain indoor spaces such as laboratories

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

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

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



Challenge

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

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

Solution

Knauf Ceiling Solutions:

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

Visual Comfort

Challenge

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

Solution

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

A well-design ceiling with high light reflectance:

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

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

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





Cradle To Cradle Certified®

The Cradle to Cradle Certified® Products 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 LEED® and WELL Building Standard.



Workplaces that Work Better

OFFICE

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

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.



Create Spaces to Inspire



Shaping the Retail Experience

RETAIL

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

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

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

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

LEISURE & HOSPITALITY

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.



Make Yourself at Home



Creating Safe Spaces

HEALTHCARE & HYGIENE

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

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.



Architecture that Moves People



Creativity, Design and Diversity

DESIGN

In a world where image is everything, our flexible ceiling solutions inspire you to create stunning aesthetics and intimate spaces. An endless array of dramatic design possibilities with baffles, canopies, wall absorbers and accessories that can be easily installed and relocated without further modification. Exposed surfaces that absorb sound to enhance acoustics, while reflecting up to 87% of light to make brighter, energy efficient spaces. And seamless, monolithic floating ceilings that add colour, shape, depth, scale and rhythm to contemporary building design.



Vertical Baffle Systems

MINERAL

Baffle Element

Individual / Grouped





MINERAL Baffle Element is a range of high performance acoustical baffles with a white laminate surface for a modern linear appearance.

- Good sound absorption: reduce noise levels, increase intelligibility and reduce reverberation time in a space
- Typically used to provide high levels of acoustic absorption in offices, leisure centres, transport hubs, etc

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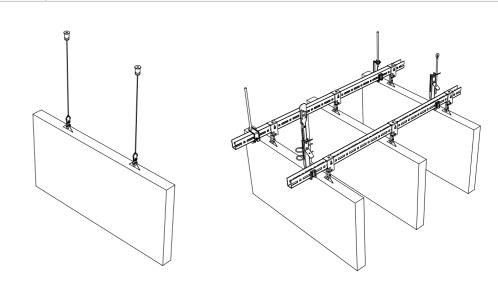
Vertical Baffle Systems

MINERAL Baffle Element

Individual / Grouped



Characteristic		Detailed in	nformation								
Thickness (mm)	<u>↓</u>	39						Add	litional dime	nsions availa	ıble on request
Dimensions (mm)	-	1200 x 30 1200 x 40			1800 x 3 1800 x 4						
System		Hanging W U Profile gr T Grid grou	ouping optio	n							
Weight	kg		0: 3.8 kg / p 0: 5.0 kg / p			00: 5.6 kg 00: 7.5 kg					
Colour & design			™ Vario D	Design Colou	irs						
		White	Granite	Steel	Green Marble	Copper	Oal	k B	Brass S	andstone	Concrete
Sound absorption		EN ISO 354	aw = 0.	50(MH) (300m	m) as per EN IS	0 11654					
	劉力	Frequency f (<u> </u>			125	250	500	1000	2000	4000
		Baffles 1200 α _p Row distan				0.15	0.25	0.45	0.90	0.90	0.95
		NRC = 0.65 (3	300mm) as per	ASTM C 423							
Fire reaction	$\overline{\Diamond}$	Euroclass A	\2-s1,d0 as	per EN 1350	1-1						
Humidity resistance	00	90%									
Indoor air quality		ANABC	EN 13964	CHAIR COMPANY OF CONTROL OF CONTR							
		A+	E1	IACG							
Cleanability		1	<u></u>								
Sustainability		BCSCUJBLS WOOL BCSZZZZZZG Array Q									



Options with this icon are available from our Vario Design range. Product availability may vary from country to country. Please contact your local sales representative. For further information and legal notice, please visit our website.

Build on us.

27

Vertical Baffle Systems **MINERAL Baffle Element** Arc Individual / Grouped



Build on us.

With MINERAL Baffle Element Arc you can create exciting interiors without

- Reduce noise levels, increase speech intelligibility and
- Typically used in schools, offices, leisure centres,

compromising acoustic performance, even with modern exposed soffit ceilings

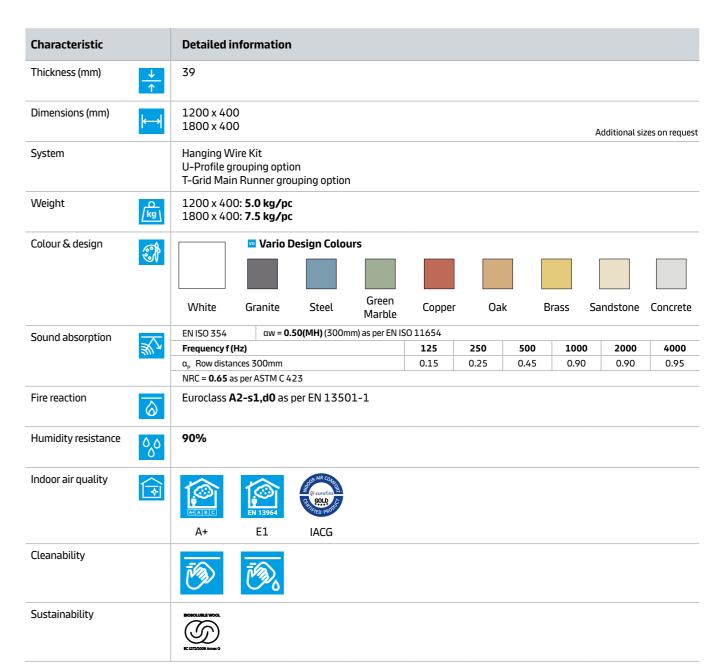
- Modern curved appearance
- reduce reverberation time in the space
- Install individually or in groups
- transport hubs, etc.

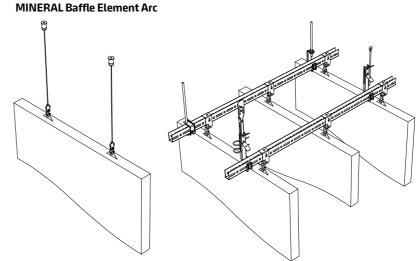
Vertical Baffle Systems

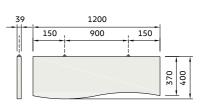
MINERAL Baffle Element Arc

Individual / Grouped

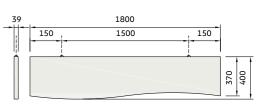








Module 1200 x 400 mm



Module 1800 x 400 mm

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Vertical Baffle Systems MINERAL Baffle Line L/N

Individual / Grouped (only MINERAL Baffle Line L)



Build on us.

MINERAL Baffle Line L and Line N features an aluminium frame and white laminate surface for a modern linear appearance. MINERAL Baffle Line L and Line N are also available in a variety of colours or customised graphic prints on request

- Good sound absorption: reduce noise levels, increase intelligibility and reduce reverberation time in a space
- Typically used to provide high levels of acoustic absorption in offices, leisure centres, transport hubs, etc

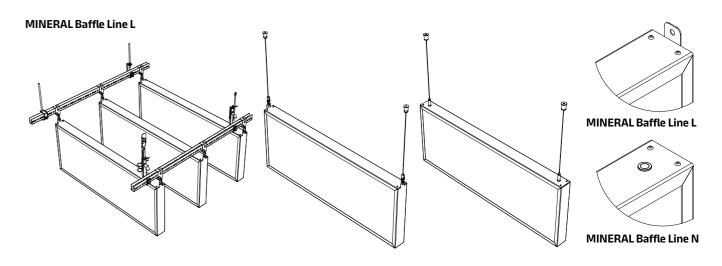
Vertical Baffle Systems

MINERAL Baffle Line L/N

Individual / Grouped (only MINERAL Baffle Line L)



Characteristic		Detailed i	nformation								
Thickness (mm)	<u>↓</u>	50									
Dimensions (mm)	$ \leftarrow $	1200 x 30 1200 x 40			1800 x 3 1800 x 4					Additional si	zes on request
System	11	MINERALE	Baffle Line N - Baffle Line L - Baffle Line L -	wire hanger	with tab co	nnector					
Weight			0: 3.2 kg/pc 0: 4.1 kg/pc			00: 4.7 kg 00: 6.0 kg					
Colour & design		Frame: And	odised Alumi Vario D Granite	nium, White Design Color Steel		Copper	Oa	k E	Brass S	andstone	Concrete
		Motif: Cust	tom Graphic I	Print	riarbte						
Sound absorption	<u> </u>	EN ISO 354		60(MH) (300m	m) as per EN IS		250		1000	2000	1000
	到。	P	· · ·			0.35	0.40	500 0.55	0.90	0.90	0.90
Fire reaction	8		\2-s1,d0 as)1-1						
Light reflectance	<u>Ā</u>	88%									
Humidity resistance	00	90%									
Cleanability		199	<u></u>								
Sustainability		BIOBOLUBLE WOOL EC 1272/2008 Annex Q									



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Floating Canopy Systems **MINERAL Sonic Element** Individual / Grouped



Build on us.

MINERAL Sonic Element is a frameless and jointless ceiling raft.

- It 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

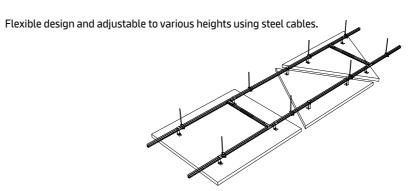
Floating Canopy Systems

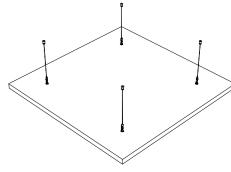
MINERAL Sonic Element

Individual / Grouped



Characteristic		Detailed informati	on						
Thickness (mm)	<u>+</u>	40							
Dimensions (mm)	₩	Trapezoid Hexagon Left Parallelogram Right Parallelogram Square Square Rectangle Rectangle	1180 x 870 1363 x 1180 1180 x 1180 1180 x 1180 800 x 800 1180 x 1180 1180 x 580 1780 x 880		Rectan Rectan Circle Circle Circle Convex Concav Triangl	gle G	F	1780 x 2 2380 x 2 Ø800 Ø1200 Ø1600 1170 x 2 1180 x 2	1180 1170 1020
System	11	Individual: Wire Hand Grouped: U-Profile	ger						
Weight	(kg)	6.0 kg/m2							
Colour & design	**		o Design Colours Green	Comme	0-1				
		White Granite	Steel Marble	Copper	Oak	DI	ass Sa	ndstone	Concrete
Sound absorption	₹	EN ISO 354 Frequency f (Hz) Equivalent Absorption A	ırea Aobj*	125	250	500	1000	2000	4000
		•	/ Suspension height 190mm	0.40	1.20	2.20	2.40	2.40	2.30
			mm / Suspension height 190mm	0.80	2.10	3.10	3.30	3.50	3.40
			mm / Suspension height 190mm	0.80	2.70	4.20	4.40	4.50	4.30
		Circle: Ø1200mm / Suspe	ension neight 150mm	0.40 *Value	1.00	1.70	1.80	2.00	1.90 ve band value
Fire reaction	8	Euroclass A2-s1,d0	as per EN 13501-1	vatac	Shown are	are average	or the 5 on	cima octav	e sana vatac.
Light reflectance	<u>Α</u>	Up to 88%							
Humidity resistance	00	90%							
Indoor air quality		MAISIC EN 13964 A E1	Scurofine IAC						
Cleanability/ Sustainability		<u></u>	BIOSOLUBLE WOOL EC LUZIZZOO Armic O						





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

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Floating Canopy Systems

MINERAL

Sonic Line Arc

Individual



Build on us.



Create unique, elegant designs with an array of MINERAL Sonic Line Arc concave and convex canopies

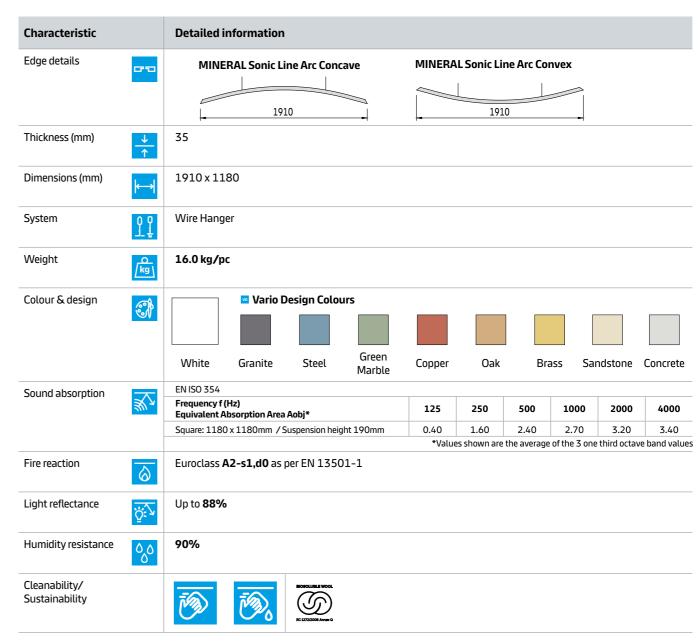
- Play with custom colours to create exciting contrasting effects
- MINERAL Sonic Line Arc allows you express your creativity and accentuate an area using new spacial effects

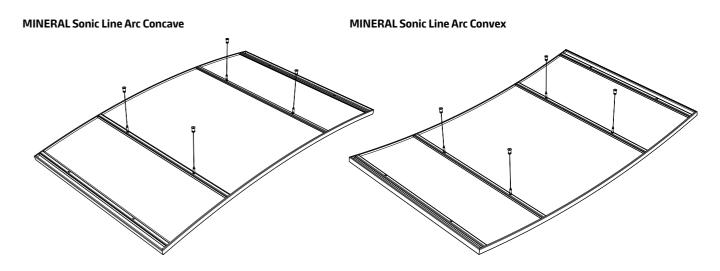
Floating Canopy Systems

MINERAL Sonic Line Arc

Individua



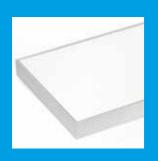




Ceiling rafts are delivered in one piece making them quick and easy to install. Flexible design and adjustable to various heights using steel cables.

Options with this icon are available from our Vario Design range. Product availability may vary from country to country. Please contact your local sales representative For further information and legal notice, please visit our website.

Floating Canopy Systems MINERAL **Sonic Line** Individual





MINERAL Sonic Line is a ceiling raft with an aluminium frame. The flexible suspension with fine, steel cables enables the height to be individually adjusted as required

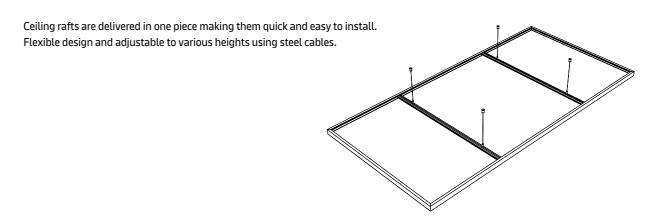
- Available with a standard white laminate surface and can be customised in a variety of colours or bespoke printed motifs on request
- Aesthetically defines spaces in schools, offices leisure centres, retail spaces etc.

Floating Canopy Systems

MINERAL Sonic Line



Characteristic		Detailed	information	ı							
Thickness (mm)	<u>↓</u>	43									
Dimensions (mm)	$ \leftarrow $	1200 x 60 1200 x 12 1800 x 12 2400 x 12	200 200								
System	11	Wire Hang	ger								
Weight	kg	1200 x 12 1800 x 12	00: 5.0 kg/p 200: 10.0 kg 200: 15.0 kg 200: 20.0 kg	/pc /pc							
Colour & design		Frame: A	nodised Alur	minium, Wh							
		White	Granite	Steel	Green Marble	Copper	Oak	Br	ass Sa	ndstone	Concrete
			stom Graphic	Print							
Sound absorption	₹	EN ISO 354 Frequency f				125	250	500	1000	2000	4000
		-	Absorption Area			0.40	1.10	1.60	2.00	2.10	2.00
			Omm Suspensio			0.40	1.10	3.00	3.40	3.80	3.70
		2400 X 120	omini Suspensio	ni neignt 175n			s shown are t				
Fire reaction	8	Euroclass	A2-s1,d0 as	per EN 1350	01-1	7444					Sunu vutuu
Light reflectance	<u>Ā:7</u>	Up to 88%	6								
Humidity resistance	٥٥	90%									
Cleanability/ Sustainability		<u></u>	<u></u>	BIOSOLUBLE WOOL							



Options with this icon are available from our Vario Design range.

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Build on us.



Wall Systems **MINERAL** Wallcoustic **Element** Individual / Grouped



Build on us.

MINERAL Wallcoustic Element is a frameless and jointless wall abosorber. It also benefits from a fully colour coated face and reverse laminate fleece $\,$

- The monolithic wall absorber offers excellent sound absorption properties and endless design possibilities for ambitious architects, who seek to raise the visual and acoustic quality of interior spaces
- The wall panel is delivered in one piece and is quick and easy to install

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Wall Systems

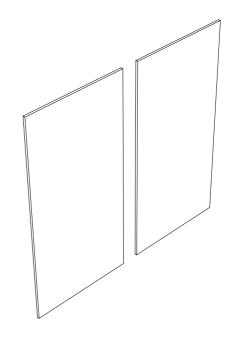
MINERAL Wallcoustic Element

Individual / Grouped



07/2024

Characteristic		Detailed information								
Thickness (mm)	<u>↓</u>	40								
Dimensions (mm)	 	Square Square Rectangle Rectangle Rectangle	1180 x 1180 800 x 800 1180 x 580 1780 x 880 1780 x 1180					Ad	dditional siz	es on reques
System	11	Spiral anchor Wall brackets								
Weight	(kg)	6.0 kg/m2								
Colour & design		□ Vario D	esign Colours							
		White Granite	Steel	Green Marble	Copper	Oak	Bra	ass Sai	ndstone	Concrete
Sound absorption		EN ISO 354								
	₩ >	Frequency f (Hz) Equivalent Absorption Area	Aobj*		125	250	500	1000	2000	4000
		Square: 1180 x 1180mm / S	uspension height 19	90mm	0.40	1.20	1.90	1.90	1.90	1.80
		Rectangle: 1780 x 1180mm	/ Suspension heigh	nt 190mm	0.50	1.70	2.70	2.80	2.80	2.60
					*Value	s shown are t	the average	of the 3 one	third octave	e band value
Fire reaction	8	Euroclass A2-s1,d0 as p	oer EN 13501-1	L						
Light reflectance	<u>Ā;</u> ∕	Up to 88%								
Humidity resistance	00	90%								



Options with this icon are available from our Vario Design range. Product availability may vary from country to country. Please contact your local sales representative. For further information and legal notice, please visit our website.

using spiral anchors and wall brackets



Wall Systems MINERAL Wallcoustic Line Individual



MINERAL Wallcoustic Line is a pre-assembled aluminium framed wall absorber with a standard white, laminate surface finish. It can also be ordered in a variety of colours or customised printed motifs on request

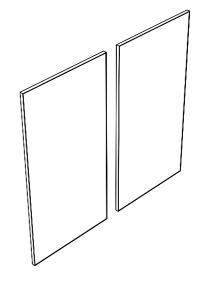
- Customise and enhance the visual appearance and acoustic ambience
- The wall panel is delivered in one piece and is quick and easy to install using eccentric screws and installation key

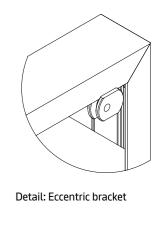
Wall Systems

MINERAL Wallcoustic Line



Characteristic		Detailed information						
Thickness (mm)	<u>↓</u>	43						
Dimensions (mm)	$ \leftarrow $	1200 x 600 1200 x 1200 1800 x 1200 2400 x 1200				A	dditional siz	zes on requ
System	11	Eccentric bracket						
Weight	Q kg \	9.4 kg/m2						
Colour & design		Frame: Anodised Aluminium, White, Colours Vario Design Colours						
		White Granite Steel Green Marble Motif: Custom Graphic Print	Copper	Oak	Br	ass Sa	ndstone	Concre
Cound absorption		EN ISO 354						
Sound absorption	%	Frequency f (Hz) Equivalent Absorption Area Aobj*	125	250	500	1000	2000	400
		Rectangle: 1200 x 600mm	0.20	0.60	1.00	0.90	0.80	0.9
		Square: 1200 x 1200mm	0.50	1.10	1.60	1.50	1.50	1.5
		Rectangle: 1800 x 1200mm	0.60	1.90	2.50	2.40	2.20	2.4
		Rectangle: 2400 x 1200mm	1.10	2.20	3.10	3.10	3.00	3.1
			*Value	s shown are	the average	of the 3 one	third octav	e band v
Fire reaction	8	Euroclass A2-s1,d0 as per EN 13501-1						
Light reflectance	ŘŹ	Up to 88%						
Humidity resistance	00	90%						
Cleanability/ Sustainability		MODOLURAL WOOL						





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Build on us.



Wall Systems FABRIC Wallcoustic Line Individual



Build on us.



FABRIC Wallcoustic Line is a fabric covered wall absorber with an elegant aluminium frame and can be easily customised using individual patterns or images.

The aluminium frame is supplied with an all-round groove into which the printed fabric is inserted. The fabric covering can be easily removed and replaced with a new fabric design, without using any special tools

- FABRIC Wallcoustic Line 20: Lightweight profile for one-sided coverings in small sizes
- FABRIC Wallcoustic Line 27: Profile for all sizes with one-sided coverings
- FABRIC Wallcoustic Line 50: Profile for all sizes with one-sided coverings and a highly absorbing acoustic filling

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Wall Systems

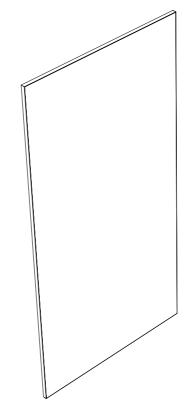
FABRIC Wallcoustic Line

ndividual

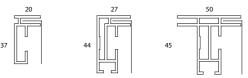


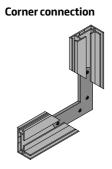
Characteristic		Detailed information										
Thickness (mm)	<u>↓</u>	43	3 27 50									
Dimensions (mm)		600 x 600 1200 x 600	$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
System	11	Wall bracket			·							
Weight	(kg)	3.0 - 6.0 kg/m2	.0 - 6.0 kg/m2									
Colour & design		Frame: anodised aluminium, white, FABRIC Wallcoustic Line 20: fabric FABRIC Wallcoustic Line 27: fabric FABRIC Wallcoustic Line 50: fabric	, white or Custom Grap , white or Custom Grap	hic Print								
Sound absorption		EN ISO 354										
Southa absorption	%	Frequency f (Hz) Equivalent Absorption Area Aobj*	125	250	500	1000	2000	4000				
		Rectangle: 1200 x 600mm	0.30	0.90	1.90	1.90	1.80	1.60				
			*Va	ues shown are t	he average	of the 3 one	third octave	band values				
Humidity resistance	٥٥٥	90%										
Cleanability		190										

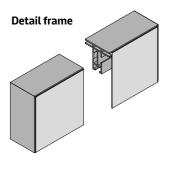
FABRIC Wallcoustic Line



Profile cross-sections







For further information and legal notice, please visit our website.

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Experience More Possibilities

VARIOLINE

With 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.

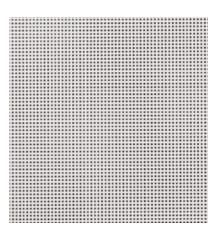
Choose from any of the following solutions - Varioline Motif, Varioline Metal, Varioline Wood, Varioline Symetra and Varioline Colour to meet the acoustic, aesthetic and fire performance needs of your project.



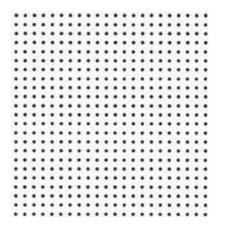




Varioline Wood



Varioline Metal



Varioline Symetra



VARIOLINE Motif





VARIOLINE Motif is a range of printed mineral ceilings that provides the capability for customised printed motifs, pictures or logos

- The laminated acoustic surface provides up to Class A sound absorption performance
- Available in a wide range of edge details to suit all design and installation needs
- Ideal for offices, foyers and retail spaces

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VARIOLINE Motif



Characteristic		Detailed i	information	1									
Edge details	070	ı	VARIOLINE Motif (Alpha			IOLINE tif (dB)			/ARIOLIN tif (Acou		VARIO Motif		
		Board	Tegular	Tegular	Ve	ector		SL2			Finesse		
			24/90	15/90	A A				â		ô		
		1-24-1	∞ 24 <u>24</u>	<u>ω</u> 15	24			24			24	1	
Thickness (mm)	<u>↓</u>	19	19	19		24			19		19	9	
Dimensions (mm)	$ \leftarrow $	600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600		600 x 600 625 x 625 1200 x 600			(On Reque	est	600 > 625 > 1200 1250	x 625 x 600	
System	11	Exposed de	posed demountable – System C Semi-concealed tiles, demountable – System C System C Semi-concealed planks, demountable – System I.3 (Bandraster – System I.2 / Corridor – System F.2) Concealed, demountable – System A.2 / A.										
Weight	Q kg	3.3 kg/m2 5.0 kg/m2 5.2 kg/m2 8.6 kg/m2	2 (SL2) 2 (Finesse)	ular 24/90, T	egular 15/	90)							
Colour & design		Customise	d Printed Mo	tifs									
Sound absorption	₩ Z	EN ISO 354	α = 0.	95 (Board, Tegula 65 (H) (Vector, SL 90 (Finesse) as po	.2) as per EN IS	60 11654 - C			1654 - Cla	ss A			
		Frequency f	(Hz)			125	25	0	500	1000	2000	4000	
		P P	ular 24/90, Te	gular 15/90		0.50	0.8	_	0.90	0.90	1.00	1.00	
		α _p Vector				0.45	0.4	-	0.60	0.80	0.95	1.00	
		α _p SL2				0.50	0.4		0.60	0.85	0.95	0.95	
		NRC = 0.70 (24/90, Tegular 1 per ASTM C 423 ASTM C 423		0.50 ASTM C 423	0.7	70	0.80	0.90	1.00	1.00	
Sound attenuation	₹		dB (Board, Te	egular 24/90, s per EN ISO 7		CAC =	29 dE), Tegular E 413-10		
		D, = 38 (d B (Finesse) d B (Vector) a	as per EN ISO s per EN ISO 7 per EN ISO 717	717-1 '17-1			B (Fine	esse) as p	er ASTM	E 413-10 413-10		
Fire reaction	8	Euroclass I	A2-s1, d0 /	C-s1,d0 as pe	r EN 13501	L-1 (depen	ding o	on the	motif / p	icture / lo	ogo)		
Thermal conductivity		λ = 0.075	W/mk (Vect	rd, Tegular 24, or) as per EN 1 Finesse) as pe	2667		s per l	EN 12	:667				
Air permeability	₹1₹	PM1 (≤ 30) m³/hm²) as	per DIN 1817	77								
Humidity resistance	00	95% RH											
Indoor air quality		A*ABC											

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VARIOLINE Metal

Build on us.

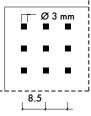
VARIOLINE Motif is a range of printed mineral ceilings that provides the capability for customised printed motifs, pictures or logos

- The laminated acoustic surface provides up to Class A sound absorption performance
- Available in a wide range of edge details to suit all design and installation needs
- Ideal for offices, foyers and retail spaces

VARIOLINE Metal

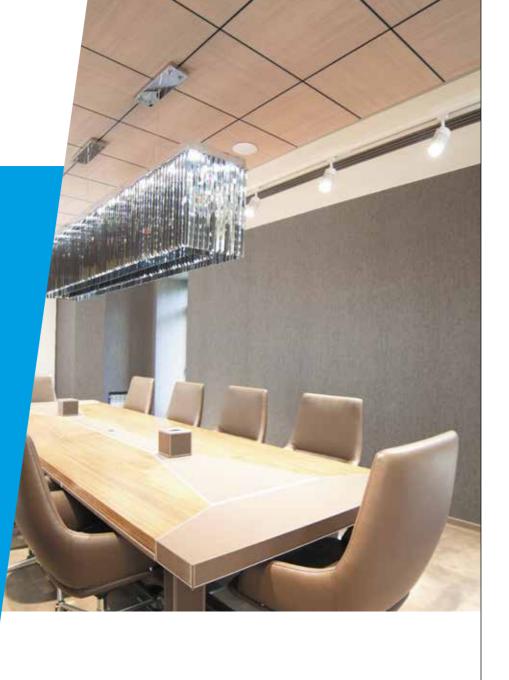


Characteristic		Detailed i	nformation	1							
Edge details	0.0		VARIOLINE Motif (Alpha		VARIO Motif	OLINE f (dB)		VARIOLII Motif (Acou		VARIO Motif	
		Board	Tegular	Tegular	Vec	tor		SL2		Fine	esse
			24/90	15/90	ĥ	ĥ		ô		Ô	
						24	-				
		1-24-1	24	15	# -H ^{7.5}	#5 Z -H ^{7.5}	_	24		24	<u></u>
Thickness (mm)	<u>↓</u>	19	19	19	2	4		19		19	9
Dimensions (mm)	احما	600 x 600	600 x 600	600 x 600		(600		On Reque	est		
	1, 1	625 x 625 1200 x 600		1200 x 600	625 >	(625 x 600					
		1250 x 625	1200 X000		1200	X 600					
System	N 0		mountable -	System C	Semi-conce	aled	Se	mi-conceale	d planks,		
	11			•	tiles, demou	untable -	de	mountable -	•		
					System C			stem I.3 (Ba		System A.2	2/A.3
								System I.2 / System F.2)	Corridor		
Weight	_0_	3.3 kg/m ²	2 (Board, Teg	ular 24/90, T	egular 15/90	0)		3y3tcm1.2)			
-	kg \	5.0 kg/m ²	. ,	-	-	•					
		5.2 kg/m ²									
Calaria C dasina		8.6 kg/m2		towns Day 1 O	7 0 D= 2 C /	D. 1	F 2 0D	0-7005			
Colour & design		vvnite, with	n printed pat	terns Rg 1.0-	·5.U, Kg 2.5-:	5.5, Kg I	.5-2.80	, Qg 3.U-8.5			
Sound absorption		EN ISO 354 α_{w} = 0.95 (Board, Tegular 24/90, Tegular 15/90) as per EN ISO 11654 - Class A α_{w} = 0.65 (H) (Vector, SL2) as per EN ISO 11654 - Class C									
	製 2			65 (H) (Vector, SI 90 (Finesse) as p			Class C				
		Frequency f		, , , , , , , , , , , , , , , , , , ,		125	250	500	1000	19 600 x 6 625 x 6 1200 x 1250 x 1250 x nks, Concealed, demountabl System A. 2 x dor 000 2000 90 1.00 80 0.95 85 0.95	400
			ular 24/90, Teg	gular 15/90		0.50	0.80	0.90	0.90	1.00	1.0
		α, Vector				0.45	0.40	0.60	0.80	0.95	1.0
		α _p SL2				0.50	0.45	0.60	0.85	0.95	0.9
		α _p Finesse				0.50	0.70	0.80	0.90	1.00	1.0
		NRC = 0.70 (24/90, Tegular : per ASTM C 423 ASTM C 423		STM C 423	3				
Sound attenuation		D _{n.f.w} = 28 (dB (Board, Te	gular 24/90,	, Tegular	CAC =	29 dB (Board, Tegul	ar 24/90), Tegular	
	劉之		15/90) a	s per EN ISO 7	717-1			, ,			
				as per EN ISO							
		D _{n,f,w} = 30 (1B (Vector) as 1	s per EN ISO 7 er EN ISO 71	7-1 7-1	CAC -	. 37 UD (vector) as pe	HASTIVIE	413-10	
Fire reaction		- ''		per EN 1350							
	8				(00 T)	15 (00)		140//7			
Thermal conductivity				d, Tegular 24, or) as per EN 1		15/90) 8	as per EN	11266/			
	•			Finesse) as pe							
Air permeability	₹/₹			per DIN 1817							
Humidity resistance	00	95% RH									
Indoor air quality		A*ABC									
. 10.70		A+	_		1 5 2 25			. 700-			
Rg 1.0-3.0		Rg 2.5-5.5	!	Rg :	1.5-2.8D	'	C	(g 3.0-8.5			
⊢ Ø 1 mm			2.5 mm		_ Ø 1.5 r	mm		Ø 3	mm]		
		• •	• • •		• • • • • •				• i		
		•	· •		•••••	• •			. ;		



VARIOLINE Wood





VARIOLINE Wood is a range of printed mineral ceilings that provides the appearance and warmth of wood

- Choice of 6 different standard wood species for design flexibility
- The laminated acoustic surface provides up to Class A sound absorption
- Available in a wide range of edge details to suit all design and installation needs
- Ideal for offices, foyers and retail spaces

VARIOLINE Wood



07/2024

Characteristic		Detailed in	formation							
Edge details	0		VARIOLINE Wood (Alpha)		OLINE d (dB)		OLINE Acoustic)		OLINE d (HD)
		Board	Tegular	Tegular	Ved	tor	SI	_2	Fine	esse
			24/90	15/90	â	Û	ĺ	j	Î	
		1-24-1	24	15	2 - 1.7.5	24 91 -H ^{7.5}	2 2	4	24	00
Thickness (mm)	<u>↓</u>	19	19	19	2	4	1	9	1	9
Dimensions (mm)	├	600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600	600 x 600 1200 x 600	625	x 600 x 625 x 600	On Re	On Request 600 x 625 x 1200 x 1250 x		
System	11	Exposed den	nountable - Sy	rstem C	Semi-cond tiles, demo System C		System I.3	nountable - (Bandraster 2 / Corridor	Concealed demounta System A.:	ble -
Colour		Ash	Birch Ch	erry (EU) Cher	ry (US) La	arch (Dak			
Weight	kg	3.3 kg/m2 (l 5.0 kg/m2 (l 5.2 kg/m2 (l 8.6 kg/m2 (l	SL2) Finesse)	[.] 24/90, Tegul	ar 15/90)					
Sound absorption	₩	EN ISO 354		a_{w} = 0.95 (H)	(Board, Tegu	$a_{w} = 0.65$	Tegular 15/9 (H) (Vector, S 90 (H) (Fines	L2) as per El	N ISO 1165	4 - Class C
		Frequency f (Hz	:)		125	250	500	1000	2000	4000
			ılar 24/90, Tegu	lar 15/90	0.50	0.80	0.90	0.90	1.00	1.00
		α_P Vector α_P SL2			0.45 0.50	0.40	0.60	0.80	0.95 0.95	1.00 0.95
		α _P Finesse			0.50	0.70	0.80	0.90	1.00	1.00
		NRC = 0.70	(Vector, SL2) a	or 24/90, Tegu os per ASTM C 4 er ASTM C 423	423	as per ASTM	C 423			
Sound attenuation	***	Dn,f,w = 34 dB Dn,f,w = 38 dB	as per EN ISO (Finesse) as pe	er EN ISO 717-: EN ISO 717-1	1	CAC = 35	dB (Board, Te per ASTM dB (Finesse) dB (Vector) a	l E 413-10 as per ASTM	E 413-10	/90) as
Fire reaction	8	Euroclass A2	?-s1, d0 as pe	r EN 13501-1						
Thermal conductivity		λ = 0.075 W	/mk (Vector)	Tegular 24/90 as per EN 1260 lesse) as per EN	67	/90) as per l	EN 12667			
Air permeability	7/7	PM1 (≤ 30 n	n³/hm²) as pe	r DIN 18177						
Humidity resistance	00	95% RH								
Indoor air quality		AAABC A1+								

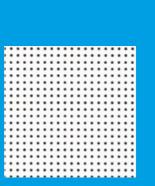
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Build on us.



VARIOLINE Symetra



Build on us.



VARIOLINE Symetra is a fleece-coated, acoustic mineral tile that provides up to Class

- Available in a wide range of edge details to suit all design and installation needs
- Provides design flexibility with five printed perforated surface patterns to choose from
- Ideal for offices, foyers and retail spaces

VARIOLINE Symetra



Characteristic		Detaileu	nformation	1								
Edge details	640	Sy	VARIOLINE metra (Alph			IOLINE etra (dB)		VARIOLIN netra (Aco		_		
		Board	Tegular 24/90	Tegular 15/90	Ve	ector		SL2		Fine	sse	
		124	<u></u>	15	E - 17.5	24 24 -17.5		24	-	2000 2000 2000 1.00 0.95 1.00 0, Tegular 413-10 E 413-10	+ -	
Thickness (mm)	<u>↓</u>	19	19	19		24		19		19		
Dimensions (mm)	$ \longleftrightarrow $	600 x 600 625 x 625 1200 x 600 1250 x 625	625 x 625	1200 x 600	625	0 x 600 5 x 625 0 x 600		On Reque	st	625 x 1200 >	625 (600	
System	11	Exposed de	mountable -	System C	Semi-cond tiles, demo System C		dem Syste - Sys	i-conceale ountable - em I.3 (Bai stem I.2 / stem F.2)	ndraster	demountab	ole -	
Weight	kg	3.3 kg/m2 5.0 kg/m2 5.2 kg/m2 8.6 kg/m2	2 (SL2) 2 (Finesse)	ular 24/90, T	egular 15/	90)						
Colour & design		White, wit	h printed pat	terns Rg 2.5-	10, Rg 4-1	0, Rg 4-16,	Rg 4-16	/ 4x4, RS	15-20			
Sound absorption	₹	EN ISO 354	$\alpha_{w}^{"} = 0.$	95 (Board, Tegula 65 (H) (Vector, Sl 90 (Finesse) as p	L2) as per EN IS	60 11654 - C l		11654 - Cl a	ss A	2000 2000 .90 1.00 .80 0.95		
		Frequency f		,		125	250	500	1000	2000	40	
		α _p Board, Teg	ular 24/90, Teg	gular 15/90		0.50	0.80	0.90	0.90		1.	
		a _p Vector				0.45	0.40	0.60	0.80		1.	
		α _p SL2				0.50	0.45	0.60	0.85		0.	
		NRC = 0.70		24/90, Tegular : per ASTM C 423 ASTM C 423		0.50 ASTM C 423	0.70	0.80	0.90	1.00	1.	
Sound attenuation	₹	D _{n,f,w} = 34 (15/90) a d B (Finesse) a d B (Vector) a	egular 24/90, s per EN ISO 7 as per EN ISO 7 s per EN ISO 71 er EN ISO 71	717-1 717-1 717-1	CAC = 3	15 35 dB (Fir	ard, Tegul /90) as pe nesse) as p ctor) as pe	r ASTM E er ASTM	413-10 E 413-10		
Fire reaction	<u></u>			per EN 1350								
Thermal conductivity		λ = 0.075	W/mk (Vecto	rd, Tegular 24, or) as per EN 1 Finesse) as pe	12667	,	per EN 1	2667				
Air permeability	717			per DIN 1817								
Humidity resistance	00	95% RH										
Indoor air quality		A+										
.5-10	F	Rg 4-10	1	Rg 4-1	6		Rg 4-1	6/4x4	1	RS 15	5-20	
√ Ø2,5		□ Ø4		:	□ Ø4		•	∇ Ø4		ø 20 ⁻	••	

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16 | 16 32 |

07/2024

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VARIOLINE Colour



Build on us.



VARIOLINE Colour is a range of printed mineral ceilings that provides the capability for custom colour tiles

- The laminated acoustic surface provides up to Class A sound absorption performance
- Available in a wide range of edge details to suit all design and installation needs
- Ideal for offices, foyers and retail spaces

VARIOLINE Colour



Characteristic		Detailed i	nformation	1									
Edge details	6 50	c	VARIOLINE colour (Alpha		VARIOLINE Colour (dB)		VARIOLI Colour (Acc			IOLINE ur (HD)			
		Board	Tegular	Tegular	Vector		SL2		Fine	esse			
		п	24/90	15/90	ô ô		ŷ		ĝ				
		124	24	15	24		19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		24				
Thickness (mm)	<u>↓</u>	19	19	19	24		19		1	9			
Dimensions (mm)	$ \longleftrightarrow $	600 x 600 625 x 625 1200 x 600 1250 x 625	625 x 625	1200 x 600	600 x 600 625 x 625 1200 x 600		On Request		1		600 > 625 > 1200 1250	(625	
System	11	Exposed de	mountable -	System C	Semi-concealed tiles, demountable - System C	de Sy - S	emi-conceale emountable - estem I.3 (Bar System I.2 / System F.2)	ndraster	Concealed, demountal System A.2	ble -			
Weight	kg \	3.3 kg/m2 5.0 kg/m2 5.2 kg/m2 8.6 kg/m2	2 (SL2) 2 (Finesse)	ular 24/90, T	egular 15/90)	·							
Colour & design		All RAL an	d NCS colour	s are availabl	e for print								
Sound absorption	₹	EN ISO 354	α = 0.	65 (H) (Vector, SI	ar 24/90, Tegular 15/90) a .2) as per EN ISO 11654 - C er EN ISO 11654 - Class A		SO 11654 - Cl a	iss A					
		Frequency f	(Hz)		125	250	500	1000	2000	4000			
		-	ular 24/90, Teg	gular 15/90	0.50	0.80	0.90	0.90	1.00	1.00			
		α _p Vector			0.45	0.40	0.60	0.80	0.95	1.00			
		α _p SL2			0.50	0.45	0.60	0.85	0.95	0.95			
		NRC = 0.70 (per ASTM C 423	0.50 15/90) as per ASTM C 423	0.70	0.80	0.90	1.00	1.00			
Sound attenuation	₹	D _{n,f,w} = 34 (15/90) a d B (Finesse) a d B (Vector) a	gular 24/90, s per EN ISO 7 as per EN ISO 7 s per EN ISO 71 er EN ISO 71	717-1 717-1 CAC = 717-1 CAC =	35 dB (Board, Tegul 15/90) as pe Finesse) as p Vector) as pe	er ASTM E er ASTM	413-10 E 413-10				
Fire reaction	$\overline{\Diamond}$	Euroclass I	A2-s1, d0 /	C-s1,d0 as pe	er EN 13501-1 (depen	ding on	the colour)						
Thermal conductivity		λ = 0.075	W/mk (Vecto	rd, Tegular 24, or) as per EN 1 Finesse) as pe		s per EN	N 12667						
Air permeability	717	PM1 (≤ 30) m³/hm²) as	per DIN 1817	77								
Humidity resistance	00	95% RH											
Indoor air quality		A+ABC											

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

ELEGANZA SEAMLESS ACOUSTICS

Creating future-focused, eco-friendly buildings doesn't just mean designing for how people will use a space. It means designing for how they'll feel using that space. Sustainability and wellbeing go hand in hand – which means your approach and the systems you use need to help you design for the senses. Open up welcoming spaces, minimise unwelcome noise.

That's why we created ELEGANZA: a ceiling system featuring seamless, monolithic looks to please the eye and outstanding sound absorption to cater for the ear. It's the perfect balance of sight and sound, beauty and performance – a surface that quietly enhances the spaces around people, improving their physical experience of them.

ELEGANZA puts sensory design at the core of your constructions. And as a complete system that's quicker, easier, more flexible and more cost-effective to install, it's also designed for another sense: common sense. So, everyone across the whole project team can feel better about the spaces you create.



Design for the Senses







ELEGANZA Seamless Acoustics offers a ground breaking new system with a 100% seamless finish featuring an elegant finely textured visual that is robust, durable $\,$ and $\,$ enduring. ELEGANZA Seamless Acoustics delivers high-quality sound absorption performance so you can have the best of both worlds: excellent sound absorption and a stunning seamless finish

■ Excellent sound absorption (0.95 a_w)

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- Enhanced endurance against surface pollution due to a sophisticated backfoil
- Ideal for restaurants, retail and leisure, office, education and residential

ELEGANZA



Characteristic		Detailed infor	rmation						
Edge details	6 50	Seamless							
Thickness (mm)	<u>↓</u>	25							
Dimensions (mm)	┝→	2400 x 1200 ((panel)						
System	11	Seamless - Eleg	ganza						
Weight	kg	Panel weight: 5 Finished ceiling	5.4 kg/m² g¹): 7.1 kg/m²						
Colour	a	White					RAL co	lours availab	le on request
Sound absorption		EN ISO 354	$\alpha_{\rm w}$ = 0.95 as per EN ISO						
	₩ /	Frequency f (Hz) α _p		125 0.45	250 0.80	500 0.90	1000 0.95	2000 1.00	4000 1.00
		NRC = 0.50 as per	r ASTM C 423						
Sound attenuation	**	EN ISO 10848- D _{n,f,w} = 33 dB as	s-2 s per EN ISO 717-1	CAC =	= 33 dB as	per ASTM	E 413-10		
Sound reduction	季	EN ISO 10140- R _w = 18 dB as p	1-2 per EN ISO 717-1						
Fire reaction	8	Euroclass A2-s	s1, d0 ²⁾ as per EN 135	01-1					
Light reflectance	<u>Ř</u>	Up to 84% (wh	nite)						
Thermal conductivity		λ = 0.060 W/n	nK as per EN 12667						
Humidity resistance	00	95% RH							
Indoor air quality		A+A B C	© curofins 2000 PED 1990 PED 1						
Cleanability / Sustainability		199	67% ²⁾ (2023)						

¹⁾ Finished ceiling without substructure. This weight is indicative and may vary depending on the specifics of the installation, wastage, and application rates.

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

²⁾ Applies only to the panel.

ADAGIO RANGE

ADAGIO is the product of world-leading experience in ceiling design. Of cutting-edge thinking in everything from scratch resistance to acoustics, sustainability to design flexibility. It's a premium system built on the highest standards for better design, better installation and better spaces.

That's why ADAGIO can take your ceilings to the next level. You'll be inspired by how much more you can achieve with Knauf Ceiling Solutions.

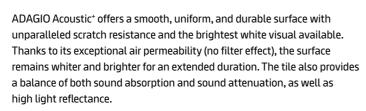


Experience More Choice than Ever Before



ADAGIO Acoustic* Mineral ceiling

Build on us.



- Good sound absorption and high sound attenuation:
 0.65 α_w and 39 dB (Board, Tegular 24/90, Tegular 15/90, SL2, SL2 / Tegular 15/90, Finesse) or 38 dB (Vector).
- Excellent light reflectance: 88%.
- ISO 4, Indoor Air Comfort Gold and Cradle to Cradle Certified® Bronze.
- ADAGIO Acoustic*: ideal for meeting rooms or waiting areas.
 ADAGIO Acoustic* Planks: ideal for both open areas and corridors.



Mineral ceiling

ADAGIO Acoustic



Characteristics		Detailed in	formation								
Edge details	0 70	Board	Tegular 24/90 û	Tegular 15/90	0	Vi	ector	SL2	SL2 Tegular		Finesse
Thickness (mm)	<u>↓</u>	19	19	19			24	19	19	,	19
Dimensions (mm)	₩	1200 x 600 1250 x 625	1250 x 625 1500 x 600	600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1350 x 300 1350 x 600 1500 x 600 1800 x 600			x 600 x 625	1350 x 300 1350 x 600 1500 x 300 1800 x 300 2000 x 300	1500 x 1800 x		600 x 600 625 x 625 1200 x 600 1250 x 625
System	1	Exposed dem System C	ountable -	Exposed demounta - System C Expos Bandraster, demountable - System I.3 Exposed - Corrido demountable - System F.3	ed -	concea	aled tiles, untable - n C	Semi-conceal demountable Semi-conceal Bandraster, demountable Semi-conceal demountable	- System led planks - System led - Corrid	l.3 - l.2 lor,	Concealed, demountable - System A.2 / A.3
Weight	(kg)	5.0 - 8.6 kg	/m²								
Colour		White	White								
Sound absorption	<u>₩</u>	SL2, SL2, α_{p} (Vector)	gular 24/90, Teg / Tegular 15/90 as per ASTM	, Finesse)	C	1.25 0.35 0.40	$a_{w} = 0$ 250 0.45 0.45	0.65(H) as per 1 500 0.60 0.60	1000 0.80 0.80	2000 0.90 0.95	4000 0.90
Sound attenuation	₹	EN ISO 108- D _{n,f,w} = 39 dE SL2 /	48-2 3 (Board, Tegu Tegular 15/9	ılar 24/90, Tegular	r 15,	⁄90, SL	2, (CAC = 39 dB as	per ASTM I	E 413-1	.0
Sound reduction	華	EN ISO 101 R _w = 22 dB (ır 24/90, Tegular 1	15/9	0, SL2,	SL2 / Teg	gular 15/90, F	inesse)		
Fire reaction	<u></u>	Euroclass A2	2-s1, d0 as pe	er EN 13501-1							
Light reflectance	Ā;√	88%									
Thermal conductivity				Tegular 24/90, Teg as per EN 12667	gulai	15/90), SL2, SL	2 / Tegular 15	/90, Fines	se)	
Air permeability	717	PM1 (≤ 30 ı	m³/hm²) as p	er DIN 18177							
Humidity resistance	٥٥	95% RH									
Clean room	*	ISO 4 as per	EN ISO 1464	4-1							
Indoor air quality		A+	EN 13964 E1	IACG							
Cleanability/ Sustainability		199	1900	35.1-3 (20	36.9% (24)	BIOSO	LUBLE WOOL 72008 Armer O	M1)	CETTED OCIONAL DE CONTROL DE CONT	www.bla	nuer-engel.de/uz132

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ADAGIO Alpha+ offers a smooth, uniform, and durable surface with unparalleled scratch resistance and the brightest white visual available. The tile also provides a balance of both sound absorption and sound attenuation, as well as high light reflectance.

- Excellent sound absorption: $1.00 \, \alpha_w$.
- Excellent Light Reflectance: 88%.

64

- ISO 4, Indoor Air Comfort Gold and Cradle to Cradle Certified® Bronze.
- Ideal for open spaces (call centres, libraries, open space offices, cafeterias, etc.).



Mineral ceiling

ADAGIO Alpha^{*}



Characteristics		Detailed information									
Edge details	6.0	Board		Tegular	24/90		Teg	ular 15/90)		
					<u> </u>		_	<u> </u>			
		<u> </u>		47				(
Thickness (mm)	<u>↓</u>	20		2	0			20			
Dimensions (mm)		600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1500 x 600 1800 x 600		625: 675: 1200 1200 1250 1500	x 600 x 625 x 675 x 300 x 600 x 625 x 600 x 600		600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600	135 135 150	50 x 625 50 x 300 50 x 600 00 x 600 00 x 600		
System	1	Exposed demountable - System					Exposed demountable – Syste Exposed – Bandraster, demountable – System I.3 Exposed – Corridor, demounta System F.3				
Weight	(kg)	3.4 kg / m²									
Colour		White									
Sound absorption	₹	EN ISO 354			a _w =	1.00 as	per EN ISO 11	654 - Clas	s A		
	2111	Frequency f (Hz)		125	250	500	1000	2000	4000		
		\mathfrak{a}_{p}		0.55	0.80	1.00	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 717-1			CAC = 26	dB as pe	er ASTM E 413	-10			
Sound reduction	華	EN ISO 10140-2 R _w = 12 dB as per EN ISO 717-1									
Fire reaction	8	Euroclass A2-s1, d0 as per EN 13	5501-1								
Light reflectance	<u>Α̈́</u>	88%									
Thermal conductivity		λ = 0.040 W/mk as per EN 1266	7								
Air permeability	717	PM3 (≤ 100 m³/hm²) as per DIN	18177								
Humidity resistance	٥٥٥	95% RH									
Clean room	*	ISO 4 as per EN ISO 14644-1									
Indoor air quality		A+ E1 IACG									
Cleanability		19 19 19									
Sustainability		8050LUBLE WOOL (C) 1501 4501 59.00 (2024)	Control of the contro		v.blauer-engel.d	le/uz132					

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e visit our website. 07/2024







ADAGIO dB+ offers a smooth, uniform, and durable surface with unparalleled scratch resistance and the brightest white visual available. Thanks to its exceptional air permeability (no filter effect), the surface remains whiter and brighter for an extended duration. The tile also provides a balance of both sound absorption and sound attenuation, as well as high light reflectance.

- Excellent sound attenuation: 41 dB (24mm) / 43 dB (30mm).
- Excellent light reflectance: 88%.
- ISO 4, Indoor Air Comfort Gold and Cradle to Cradle Certified® Bronze.
- Ideal for individual / private offices.

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Mineral ceiling

ADAGIO dB*



Characteristics		Detailed information								
Edge details	6 75	Board	Teg	ular 24/90			Tegula	r 15/90		
			I	47			÷			
Thickness (mm)	<u>↓</u>	24,30		24			2	24		
Dimensions (mm)	$ \leftarrow $	600 x 600 625 x 625 1200 x 600 1250 x 625	62 120	00 x 600 25 x 625 00 x 600 50 x 625			600 x 625 x 1200 x 1250 x	625 600 625		
System		Exposed demountable - System C				Exposed demountable - Syste Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demounta System F.3				
Weight	kg	8.6 kg/m² (24mm) 10.6 kg/m² (30mm)								
Colour		White								
Sound absorption	₹	EN ISO 354		a _w = 0.6	5 (H) as p	oer EN ISC	11654 -	Class C		
	7111	Frequency f (Hz)		125	250	500	1000	2000	4000	
		α_P 24 mm α_P 30mm		0.40	0.45	0.60	0.80	0.85	0.85	
		NRC = 0.70 as per ASTM C 423				ı		1		
Sound attenuation	₹	EN ISO 10848-2 D _{n,f,w} = 41 dB (24mm) as per EN ISO D _{n,f,w} = 43 dB (30mm) as per EN ISO					per ASTM per ASTM			
Sound reduction	薬	EN ISO 10140-2 Rw = 24 dB (24mm) as per EN ISO 7	17-1	Rw = 2	5 dB (30	mm) as pe	er EN ISO 7	717-1		
Fire reaction	8	Euroclass A2-s1, d0 as per EN 1350	01-1							
Light reflectance	ŘΣ	88%								
Thermal conductivity		λ = 0.075 W/mk as per EN 12667								
Air permeability	717	PM1 (≤ 30 m³/hm²) as per DIN 181	77							
Humidity resistance	00	95% RH								
Clean room	*	ISO 4 as per EN ISO 14644-1								
Indoor air quality		A+ E1 IACG								
Cleanability		190 190 190								
Sustainability		8000LIBLE WOOL 101 NOO 10521 101 N	cradio tocradia stores	www.blauer-eng	el.de/uz132					

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Build on us.



ADAGIO HD+ 19mm offers a smooth, uniform, and durable surface with unparalleled scratch resistance and the brightest white visual available. Thanks to its exceptional air permeability (no filter effect), the surface remains whiter and brighter for an extended duration. The tile also provides a balance of both sound absorption and sound attenuation, as well as high light reflectance.

- \blacksquare Excellent sound absorption (0.90 α_{w}) with good sound attenuation (34 dB).
- For additional acoustical options, please refer to ADAGIO HD+ 30mm and ADAGIO HD+ 35mm.
- Excellent Light Reflectance: 88%.
- ISO 4, Indoor Air Comfort Gold and Cradle to Cradle Certified® Bronze.
- Ideal for individual / private offices and corridors.



Mineral ceiling

ADAGIO HD* 19mm



Characteristics		Detailed in	formation							
Edge details	0.0	Board	Tegular 24/90	Tegular 1	5/90	S	L2		Finesse	
		<u> </u>	<u> </u>	<u> </u>					ê _L	
		124	-1 -	- + <u>+</u>	<u> </u>	节窗		= 1	24 0	
Thickness (mm)	<u>↓</u>	19	19	19		1	L9		19	
Dimensions (mm)		600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1500 x 600 1800 x 600	600 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1500 x 600 1800 x 600	600 x 6 625 x 6 675 x 6 1200 x 1200 x 1350 x 1350 x 1500 x 1800 x	525 575 300 600 625 300 600	1350 1350 1500 1800 2000	x 600 x 300 x 300		0 5 90 85	
System	1	Exposed den System C	Exposed demountable - Exposed, demountable Semi-concealed planks, Conce						oncealed,demountable - ystem A.2 / A.3	
Weight	(kg)	5.2 kg / m ²								
Colour		White								
Sound absorption	<u>₹</u>	EN ISO 354 $\alpha_{\rm w}$ = 0.90 as per EN ISO 3								s A
	2111	Frequency f (Hz)			125 0.45	250 0.75	500 0.85	1000 0.85	4000 1.00	
		<u> </u>	as per ASTM C 4	23	0.43	0.73	0.03	0.03	1.00	1.00
Sound attenuation	₹	EN ISO 1084 Dn.f.w = 34 dB	8-2 as per EN ISO 71	7-1		CAC = 35	dB as per ASTM	E 413-1	.0	
Sound reduction	薬	EN ISO 1014 Rw = 17 dB a	40-2 as per EN ISO 71	7-1						
Fire reaction	8		2 -s1, d0 as per E							
Light reflectance	Ģ;Δ	88%								
Thermal conductivity		λ = 0.060 W	/mk as per EN 1	2667						
Air permeability	7/7	PM2 (≤ 50 n	n³/hm²) as per [DIN 18177						
Humidity resistance	٥٥	95% RH								
Clean room	*	ISO 4 as per	EN ISO 14644-1	1						
Indoor air quality		A+	EN 13964 E1	ACG						
Cleanability		<u></u>		<u>∕</u>						
Sustainability		49.1% (2024)	BIOSOLUBLE WOOL EC 1277/2008 Annex Q	IDN CLARGE CONTROL CON		ww.blauer-engel.d	l e /uz132			

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

ADAGIO HD*30 mm Mineral ceiling





ADAGIO HD+ 30mm offers a smooth, uniform, and durable surface with unparalleled scratch resistance and the brightest white visual available. Thanks to its exceptional air permeability (no filter effect), the surface remains whiter and brighter for an extended duration. The tile also provides a balance of both sound absorption and sound attenuation, as well as high light reflectance.

- Excellent sound absorption (0.90 α_w) with excellent sound attenuation (41 dB).
- For additional acoustical options, please refer to ADAGIO HD⁺ 19mm and ADAGIO HD⁺ 35mm.
- Excellent Light Reflectance: 88%.

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- ISO 4, Indoor Air Comfort Gold and Cradle to Cradle Certified® Bronze.
- Ideal for individual / private offices, classrooms and lecture halls in the education sector.



Mineral ceiling

ADAGIO HD+ 30mm



Characteristics		Detailed in	formation								
Edge details	0.40	Board	Tegular 24/90	Tegular 1	5/90	SL	2		Finesse		
			Û	ĵ				î			
		24	24	<u></u> 15	<u>-</u>	18		24	<u></u>	+	
Thickness (mm)	<u>↓</u>	30	30	30		3	0		30		
Dimensions (mm)	\mapsto	600 x 600 625 x 625 675 x 675 1200 x 600	600 x 600 625 x 625 675 x 675 1200 x 600	600 x 6 625 x 6 675 x 6 1200 x	525 575	1350 1350 1500 1800	x 600 x 300		0 0 5		
		1250 x 625	1250 x 625	1250 x 1350 x 1350 x	625 300	2000					
System	1	Exposed den System C	nountable -	Exposed, dem System C Exposed - Bar demountable System I.3 Exposed - Cor demountable System F.3	ndraster, - ridor,	Semi-conce planks, dem System I.3 Semi-conce - Bandraste table - Syst Semi-conce - Corridor, d ble -System	ountable - aled planks r, demoun- em I.2 aled planks emounta-	Conceale System A	table -		
Weight	kg	8.2 kg / m²									
Colour		White									
Sound absorption	₹	EN ISO 354 $\alpha_{\rm w}$ = 0.90 as per EN ISO 116				554 - Clas	s A				
	201	Frequency f (Hz)			125	250	500	1000	1000 2000 4		
		α _p NRC = 0.90 :	as per ASTM C 4	.23	0.50	0.75	0.80	0.95	1.00	1.00	
Sound attenuation	₹	EN ISO 1084				CAC = 42	dB as per AS	TM E 413-	10		
Sound reduction	薬	EN ISO 1014 Rw = 25 dB a	40-2 as per EN ISO 71	.7-1							
Fire reaction	8	Euroclass A2	?-s1, d0 as per E	N 13501-1							
Light reflectance	<u>Ģ</u> ;√	88%									
Thermal conductivity		λ = 0.060 W	//mk as per EN 1	12667							
Air permeability	717	PM1 (≤ 30 n	n³/hm²) as per D	IN 18177							
Humidity resistance	00	95% RH									
Clean room	*	ISO 4 as per	EN ISO 14644-	1							
Indoor air quality		A+ABC	EN 13964	GOLD							
Cleanability		<u></u>		√							
Sustainability		EN ISO 14021 49.9% (2024)	BIOSOLUBLE WOOL EC 1272/2008 Annex G	M1) a case of the	1	w.blauer-engel.d	e /uz132)				

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ADAGIO HD+35 mm Mineral ceiling



Build on us.



ADAGIO HD+ 35mm offers a smooth, uniform, and durable surface with unparalleled scratch resistance and the brightest white visual available. Thanks to its exceptional air permeability (no filter effect), the surface remains whiter and brighter for an extended duration. The tile also provides a balance of both sound absorption and sound attenuation, as well as high light reflectance.

- Excellent sound absorption (0.90 α_w) with excellent sound attenuation (43 dB).
- For additional acoustical options, please refer to ADAGIO HD⁺ 19mm and ADAGIO HD⁺ 30mm.
- Excellent Light Reflectance: 88%.
- ISO 4, Indoor Air Comfort Gold and Cradle to Cradle Certified® Bronze.
- Ideal for individual / private offices, classrooms and lecture halls in the education sector.



Mineral ceiling

ADAGIO HD+ 35mm



Characteristics		Detailed informat	ion						
Edge details	0.0	Board	Tegular 24/90	Т	egular 15/9	90		SL2	
		124	Û 24 24		15		<u></u>	18	
Thickness (mm)	<u>↓</u>	35	35		35			35	
Dimensions (mm)	←→	600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600 1250 x 625	1 1	600 x 600 625 x 625 1200 x 600 1250 x 625 1350 x 300 1350 x 600		1 1 1	.350 x 300 .350 x 600 .500 x 300 .800 x 300)))
System	1	Exposed demountab	ole – System C	System (Exposed demount Exposed	, demountal - - Bandraste table - Syste - Corridor, table -Syste	er, em I.3	System I Semi-con Bandrast System I Semi-con	emountabl 3 Icealed plai er, demoun 2 Icealed plai demountab	nks - table - nks -
Weight	O kg	9.5 kg / m ²							
Colour		White							
Sound absorption	₹	EN ISO 354			$\alpha_{\rm w} =$	0.90 as pe	r EN ISO 11	654 - Clas	s A
	201	Frequency f (Hz)		125	250	500	1000	2000	4000
		α _p NRC = 0.90 as per A	TC // 2 MT2	0.40	0.70	0.85	0.95	1.00	1.00
Sound attenuation	₹	EN ISO 10848-2 D _{n,f,w} = 43 dB as per El			CAC = 44	dB as per AS	STM E 413-1	LO	
Sound reduction	薬	EN ISO 10140-2 Rw = 25 dB as per EN	ISO 717-1						
Fire reaction	8	Euroclass A2-s1, d0	as per EN 13501-1						
Light reflectance	Α̈́	88%							
Thermal conductivity		λ = 0.060 W/mk as	per EN 12667						
Air permeability	717	PM1 (≤ 30 m³/hm²)	as per DIN 18177						
Humidity resistance	٥٥٥	95% RH							
Clean room	*	ISO 4 as per EN ISO	14644-1						
Indoor air quality		MARIC EN 13964 A+ E1	COLD						
Cleanability		19	<u> 70</u>						
Sustainability		BN 50 54021 49.4% (2024)	M1)	crade	w.blauer-engel.d	le/uz132			

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THE HEALTHCARE & HYGIENE RANGE

Under constant scrutiny and demanding the highest levels of comfort and cleanliness, healthcare settings go through continual changes to ensure the best possible environment for patients and healthcare professionals.

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



MEDIGUARD Alpha

Build on us.



PL Health Dept., Jan Kochanowski University of Humanities & Sciences, Kielce, © Szymon Polański

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

- Water repellent
- Scratch resistant
- Limit growth of extended scope of bacteria & fungi
- Resistant to disinfectants, it can be scrubbed and cleaned with steam
- Complies with Zone 4 risk requirements according to NFS 90-351:2013
- Excellent acoustics with Class A level
- ISO 3
- Excellent light reflectance (88%)
- Ideal for healthcare facilities, food industry, laboratories, etc.

MEDIGUARD Alpha



Characteristic		Detailed information							
Edge details	0.0	Board	7	Tegular 24	·/90		Tegu	ılar 15/90)
					_		_		
		24		∞ 24			cc	15	
Thickness (mm)	<u>↓</u>	20		20				20	
Dimensions (mm)	\mapsto	600 x 600 1200 x 600		600 x 6	00		60	00 x 600	
System	11	Exposed demountable - System C				1			
Weight	O kg \	3.3 kg / m²							
Colour	a	White							
Sound absorption	<u>₹</u>	EN ISO 354 α _w = 0.95 as per EN ISO	11654 - Clas						
	30 -	Frequency f (Hz)		125 0.60	250 0.85	500 0.90	1000 0.90	2000 1.00	1.00
		NRC = 0.95 as per ASTM C 423		0.00	0.03	0.70	0.70	1.00	1.00
Sound attenuation	₹	EN ISO 10848-2 D _{n.f.w} = 25 dB as per EN ISO 717-1		CAC =	25 dB as	per ASTN	1 E 413-10		
Sound reduction	華	EN ISO 10140-2 R _w = 12 dB as per EN ISO 717-1							
Fire reaction	8	Euroclass A2-s1, d0 as per EN 1350 Class A as per ASTM E 84	1-1						
Light reflectance	<u>Ř</u>	88%							
Thermal conductivity		λ = 0.040 W/mK as per EN 12667							
Humidity resistance	00	95% RH							
Clean room	*	ISO 3 as per EN ISO 14644-1							
Risk level		Zone 4 (Very High Risk) as per NF S 9	0-351:201	L3					
Microbiological Cleanliness		M1 as per NF S 90-351:2013							
Kinetics of particle decontamination		CP _(0,5) 5 as per NF S 90-351:2013							
Indoor air quality		A+ E1 IACG							
Cleanability		190 190 200	(A)	₽ €◆	16				
Anti-microbial characteristics	Sept.	Tested against: Escherichia coli, Stap Acinobacter baumannii, Klebsiella pn						umoniae,	
Sustainability		174% (2023)							

In addition to risk level, each room type will have specific requirement for the cleanability and air leakage of the ceiling tile.

Therefore, a tile which meets risk zone 4 requirements may not necessarily be suitable for all room types defined in risk zone 4.



MEDIGUARD Acoustic

Build on us.

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

SK UVN SNP Hospital, Ružomberok, © Jakub Joachin

- Water repellent
- Scratch resistant
- Limit growth of an extended scope of bacteria & fungi
- Resistant to disinfectants, it can be scrubbed and cleaned with steam
- Complies with Zone 4 risk requirements according to NFS 90-351:2013
- Excellent light reflectance (88%)
- Ideal for healthcare facilities, food industry, laboratories, etc.

MEDIGUARD Acoustic



Characteristic		Detailed infor	mation									
Edge details	0.0	В	oard		1	Tegular 2	4/90			Tegu	lar 15/90	
		_				+ -						
			24			<u>∞</u> 24					15	
Thickness (mm)	<u>↓</u>		19			19					19	
Dimensions (mm)	⊬→		0 x 600 0 x 600			600 x 6					00 x 600 00 x 600	
System	11	Exposed demou	ntable - Syster	m C								
Weight	O kg	5.0 kg / m²										
Colour		White										
Sound absorption		EN ISO 354	a _w = 0.65(H) as	s per EN IS	50 11654 - C	lass C						
,	劉	Frequency f (Hz)				125	250	500	_	1000	2000	4000
		α _p NRC = 0.70 as per A	ASTM C 423			0.40	0.40	0.60	,	0.80	0.90	0.85
Sound attenuation	**	EN ISO 10848- D _{n,f,w} = 38 dB as		.7-1		CAC =	39 dB as	per AST	M E 4	13-10		
Sound reduction	薬	EN ISO 10140- R _w = 22 dB as p		'-1								
Fire reaction	8	Euroclass A2-s: Class A as per A		13501	L-1							
Light reflectance	ÄέZ	88%										
Thermal conductivity		λ = 0.060 W/ m	IK as per EN 12	2667								
Air permeability	₹1₹	PM1 (≤ 30 m³/	'hm²) as per Dil	N 1817	7							
Humidity resistance	00	95% RH										
Clean room	笭	ISO 4 as per EN	ISO 14644-1									
Risk level		Zone 4 (Very Hi	gh Risk) as per	NF S 90	0-351:201	.3						
Microbiological Cleanliness		M1 as per NF S	90-351:2013	3								
Kinetics of particle decontamination		CP _(0,5) 5 as per N	FS 90-351:20	013								
Indoor air quality			13964 ROLL ROLL ROLL ROLL ROLL ROLL ROLL ROL	COMPLOS OFFICE OF THE PROPERTY								
Cleanability		<u></u>	%	%	<u>an</u>	₽€◆	1/6	9		3		
Anti-microbial characteristics		Tested against: Acinobacter bau									umoniae,	
Sustainability		81050 81050 46021 35% (2023)	OLUBLE WOOL 77/2008 Annex Q									

In addition to risk level, each room type will have specific requirement for the cleanability and air leakage of the ceiling tile. Therefore, a tile which meets risk zone 4 requirements may not necessarily be suitable for all room types defined in risk zone 4.

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



MEDIGUARD Plain

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

- Water repellent
- Scratch resistant
- Limit growth of extended scope of bacteria & fungi
- Resistant to disinfectants and can be cleaned with dry, damp and wet cloth
- Complies with Zone 4 risk requirements according to NF S 90-351:2013
- ISO 4
- Excellent light reflectance (88%)
- Ideal for healthcare environments and laboratories

MEDIGUARD Plain



Characteristic		Detailed information								
Edge details	0.0	Board	Teg	gular	24			Teg	gular 15	
				P					P	
		<u> </u>	80	24					15	
Thickness (mm)	<u>↓</u>	15		15					15	
Dimensions (mm)	11	600 x 600	60	0 x 6	00			60	0 x 600	
		1200 x 600								
System	11	Exposed demountable - System C								
Weight	(kg)	3.6 kg / m²								
Colour										
	™	White								
Sound absorption		EN ISO 354 α _w = 0.20 (L) as per EN	ISO 11654 - Class E	:						
	₩ Z	Frequency f (Hz)	12	25	250	500)	1000	2000	4000
		a _p	0.4	40	0.25	0.15	5	0.15	0.20	0.30
Sound attenuation		NRC = 0.20 as per ASTM C 423 EN ISO 10848-2								
Souriu atteriuation	₹	D _{n,f,w} = 35 dB as per EN ISO 717-1	(CAC =	35 dB as	per AS	ΓM E 4	13-10		
Sound reduction	薬	EN ISO 10140-2 R _w = 19 dB as per EN ISO 717-1								
	•	N _w = 17 db as per Liviso /1/-1								
Fire reaction	8	Euroclass A2-s1, d0 as per EN 1350 Class A as per ASTM E 84)1-1							
Light reflectance	<u>Α̈́</u>	88%								
Thermal conductivity		λ = 0.060 W/mK as per EN 12667								
Air permeability	7/7	PM1 (≤ 30 m³/hm²) as per DIN 181	77							
Humidity resistance	٥٥٥	95% RH								
Clean room	*	ISO 4 as per EN ISO 14644-1								
Risk level		Zone 4 (Very High Risk) as per NF S 9	90-351:2013							
Microbiological Cleanliness		M1 as per NF S 90-351:2013								
Kinetics of particle decontamination		CP _(0,5) 5 as per NF S 90-351:2013								
Indoor air quality		A+ E1 IACG								
Cleanability			₽							
Anti-microbial characteristics		Tested against: Escherichia coli, Stap Acinobacter baumannii, Klebsiella pr							umoniae,	
Sustainability		BIOSOLUBLE WOOL IN 150 MACH 24% (2023)								

 $In addition \ to \ risk \ level, each \ room \ type \ will \ have \ specific \ requirement \ for \ the \ clean ability \ and \ air \ leakage \ of \ the \ ceiling \ tile.$ Therefore, a tile which meets risk zone 4 requirements may not necessarily be suitable for all room types defined in risk zone 4.





HYGENA **Aquatec**

Build on us.

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

- Limits the growth of bacteria and fungi
- Ideal solution for high humidity areas of up to 100% RH
- Excellent acoustics with Class A level
- Complies with Zone 4 risk requirements according to NFS 90-351:2013
- Can be cleaned with high pressure device and resists to disinfectants
- Ideal for healthcare environments, food industry, laboratories, treatment rooms, intensive care units, locker rooms or shower areas

HYGENA Aquatec



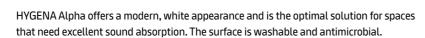
Characteristic		Detailed information							
Edge details	00	Board	Tegular 24/90	Teg	ular 15/9	0		Finesse	
		Ţ.	— Î				_		
		24	24	_	15		= 4	18	
Thickness (mm)	<u>↓</u>	19	19		19			19	
Diagram in a design	Т	/00··/00	/00···/00		, oo , oo			700 700	
Dimensions (mm)	\mapsto	600 x 600 610 x 610	600 x 600 610 x 610		600 x 600 610 x 610			500 x 600 525 x 625	
		625 x 625 1200 x 600	625 x 625	(325 x 625				
		1220 x 610							
System		1250 x 625	Cystom C				Concooled	domounto	hla
System	11	Exposed demountable - S	system C				Concealed, System A.2		nie -
Weight	(kg)	5.2 kg / m²							
Colour	_								
Carradahaanakian		White EN ISO 354 α = 0.9 0	0	4					
Sound absorption	₹	Frequency f (Hz)	0 as per EN ISO 11654 - Cla :	125	250	500	1000	2000	4000
		$\mathfrak{a}_{\mathtt{p}}$		0.60	0.70	0.85	0.90	1.00	1.00
Carrad attancetion		NRC = 0.90 as per ASTM C 42	23						
Sound attenuation	製	EN ISO 10848-2 D _{n,f,w} = 29 dB as per EN I	SO 717-1		CAC	= 29 dB	as per ASTM	E 413-10)
Sound reduction	薬	EN ISO 10140-2 R _w = 16 dB as per EN ISO	0 717-1						
Fire reaction	8	Euroclass A2-s1, d0 as p Class A as per ASTM E 8							
Light reflectance	<u>Α</u>	88%							
Thermal conductivity		λ = 0.060 W/mk as per	EN 12667						
Air permeability	₹1₹	PM1 (≤ 30 m³/hm²) as p	oer DIN 18177						
Humidity resistance	00	100% RH							
Clean room	*	ISO 3 as per EN ISO 146	44-1						
Risk level		Zone 4 (Very High Risk)	as per NF S 90-351:20	13					
Microbiological Cleanliness		M1 as per NF S 90-351	:2013						
Kinetics of particle decontamination		CP _(0,5) 5 as per NF S 90-3	351:2013						
Indoor air quality		AMABIC EN 13964	SUP AIR CONTROL OF AI						
Cleanability /		A+ E1	IACG		P100	N FWOOI			
Cleanability / Sustainability		190		52% (2023)	BC 1272/20	OB Annex Q			
Anti-microbial characteristics		Tested against: Escherich	hia coli, Staphylococcus			ans			

In addition to risk level, each room type will have specific requirement for the cleanability and air leakage of the ceiling tile.





HYGENA Alpha



- Limits the growth bacteria and fungi
- Cleanable with dry and damp cloth
- White appearance and excellent acoustics with Class A level
- Complies with Zone 4 risk requirements according to NF S 90-351:2013
- Ideal for healthcare facilities, food industry, laboratories, etc.

HYGENA Alpha



Characteristic		Detailed information						
Edge details	0.0	Board	Tegular 2	4/90		Tegu	ılar 15/90)
		124	24			_ ~	15	
Thickness (mm)	<u>↓</u>	19	19				19	
Dimensions (mm)	₩	600 x 600 610 x 610 625 x 625 1200 x 600 1220 x 610 1250 x 625	600 x 6 610 x 6 625 x 6	10		63	00 x 600 10 x 610 25 x 625	
System	11	Exposed demountable - System C	1					
Weight	kg	3.3 kg / m ²						
Colour		White						
Sound absorption		EN ISO 354 $\alpha_{\rm w} = 0.95$ as per EN ISO						
	₩ ⁄	Frequency f (Hz) α_p NRC = 0.90 as per ASTM C 423	125 0.50	250 0.80	500 0.90	0.90	1.00	1.00
Sound attenuation	₹	EN ISO 10848-2 D _{n,f,w} = 28 dB as per EN ISO 717-1	CAC =	29 dB as p	oer ASTM	E 413-10		
Sound reduction	華	EN ISO 10140-2 R _w = 14 dB as per EN ISO 717-1						
Fire reaction	8	Euroclass A2-s1, d0 as per EN 1350 Class A as per ASTM E 84	01-1					
Light reflectance	<u>Ā:7</u>	87%						
Thermal conductivity		λ = 0.040 W/mK as per EN 12667						
Air permeability	₹/₹	PM1 (≤ 30 m³/hm²) as per DIN 181	77					
Humidity resistance	00	95% RH						
Clean room	*	ISO 4 as per EN ISO 14644-1						
Risk level		Zone 4 (Very High Risk) as per NF S 9	90-351:2013					
Microbiological Cleanliness		M1 as per NF S 90-351:2013						
Kinetics of particle decontamination		CP _(0,5) 5 as per NF S 90-351:2013						
Indoor air quality		A+ E1 IACG						
Cleanability / Sustainability		(2023)	BIOSOLUBLE WOOL SC 13772/2008 Annex O					
Anti-microbial characteristics		Tested against: Escherichia coli, Stap	hylococcus aureus, Ca	ndida albic	ans, Aspe	rgillus nige	r	

In addition to risk level, each room type will have specific requirement for the cleanability and air leakage of the ceiling tile. $Therefore, a tile which meets risk zone \ 4 \ requirements \ may \ not \ necessarily \ be \ suitable \ for \ all \ room \ types \ defined \ in \ risk \ zone \ 4.$

HYGENA Acoustic 15mm



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

- Limits the growth of bacteria and fungi
- Cleanable with dry and damp cloth
- Smooth, white appearance and good levels of acoustics
- Complies with Zone 4 risk requirements according to NFS 90-351:2013
- Excellent light reflectance (87%)
- Ideal for healthcare facilities, food industry, laboratories, etc.

HYGENA Acoustic 15mm



07/2024

Characteristic		Detailed information						
Edge details	0-0	Board	Tegular 2	4/90		Tegu	ılar 15/90	
				_		_		
		<u> </u>	∞ 24 <u>24</u>			_ cc	15	
Thickness (mm)	<u>↓</u>	15	15				15	
Dimensions (mm)	11	600 x 600	600 x 6	500		60	00 x 600	
		610 x 610 625 x 625	610 x 6 625 x 6				.0 x 610 25 x 625	
		1200 x 600	023 X C	123		02	3 X 023	
		1220 x 610 1250 x 625						
System	N 0	Exposed demountable - System C						
	11							
Weight	(kg)	2.9 kg / m ²						
Colour								
	™	White						
Sound absorption		EN ISO 354 α _w = 0.80 (H) as per EN	ISO 11654 - Class B					
·	%	Frequency f (Hz)	125	250	500	1000	2000	4000
		α _p NRC = 0.85 as per ASTM C 423	0.55	0.75	0.80	0.75	0.95	1.00
Sound attenuation		EN ISO 10848-2						
	劉之	D _{n,f,w} = 28 dB as per EN ISO 717-1	CAC =	= 29 dB as p	per ASTM I	E 413-10		
Sound reduction	華	EN ISO 10140-2 R _w = 13 dB as per EN ISO 717-1						
Fire reaction	8	Euroclass A2-s1, d0 as per EN 1350 Class A as per ASTM E 84	1-1					
Light reflectance	<u>Ā:7</u>	87%						
Thermal conductivity		λ = 0.040 W/mK as per EN 12667						
Humidity resistance	٥٥٥	95% RH						
Clean room	亽	ISO 4 as per EN ISO 14644-1						
Risk level		Zone 4 (Very High Risk) as per NF S 9	0-351:2013					
Microbiological Cleanliness		M1 as per NF S 90-351:2013						
Kinetics of particle decontamination		CP _(0,5) 5 as per NF S 90-351:2013						
Indoor air quality		AR COLUMN AR COL						
		A+ E1 IACG						
Cleanability / Sustainability		(2023)	BIOSOLUBLE WOOL EC 1273/2008 Annex G					
Anti-microbial		Tested against: Escherichia coli, Stap	hylococcus aureus, Ca	andida albic	ans, Asper	gillus nige	r	
characteristics								

In addition to risk level, each room type will have specific requirement for the cleanability and air leakage of the ceiling tile.

Therefore, a tile which meets risk zone 4 requirements may not necessarily be suitable for all room types defined in risk zone 4.

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

or further information and legal notice, please visit our website.

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HYGENA Plain

Build on us.



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

- Limits the growth of bacteria and fungi
- Cleanable with dry and damp cloth
- White, smooth surface that provides excellent light reflection
- Complies with Zone 4 risk requirements according to NF S 90-351:2013
- Ideal for healthcare environments and laboratories

HYGENA Plain



Characteristic		Detailed infor	mation									
Edge details	00	В	oard			Tegular	24			Teg	ular 15	
							_			_		
			24			24				80	15	
Thickness (mm)	→		15			15					15	
Dimensions (mm)	₩	610 120	0 x 600 0 x 610 0 x 600 0 x 610			600 x 6	00			600	0 x 600	
System	11	Exposed demou	ıntable - S	System C								
Weight	kg	3.8 kg / m²										
Colour		White										
Sound absorption	₹	EN ISO 354	a _w = 0.2	.0 (L) as per EN	ISO 11654 -	Class E 125	250	500	100	^	2000	4000
	到12	Frequency f (Hz)				0.45	0.25	0.15	0.1	-	0.20	0.25
		NRC = 0.20 as per	ASTM C 42	23		1	ı					
Sound attenuation	₹	EN ISO 10848- D _{n.f.w} = 34 dB as		SO 717-1		CAC =	36 dB as	per ASTI	M E 413-	10		
Sound reduction	薬	EN ISO 10140- R _w = 21 dB as p	-2									
Fire reaction	<u>8</u>	Euroclass A2-s : Class A as per A			1-1							
Light reflectance	Ω̈́.	87%										
Thermal conductivity		λ = 0.060 W/ m	n K as per	EN 12667								
Air permeability	₹/₹	PM1 (≤ 30 m³/	/hm²) as p	per DIN 181	77							
Humidity resistance	٥٥	95% RH										
Clean room	*\}	ISO 4 as per EN	I ISO 146	44-1								
Risk level		Zone 4 (Very Hi	igh Risk) a	as per NF S 9	0-351:20	13						
Microbiological Cleanliness		M1 as per NF S	90-351:	:2013								
Kinetics of particle decontamination		CP _(0,5) 5 as per N	IF S 90-3	351:2013								
Indoor air quality			13964 E1	GRAIR COMPANY OF THE PROPERTY								
Cleanability / Sustainability		B	%	26% (2023)	BIOSOLUBILE W EC 1272/2008 Ann) mx G						
Anti-microbial characteristics		Tested against:	Escherich	nia coli, Stap	hylococcus	aureus, Ca	ndida albi	cans, Ası	oergillus i	niger		

In addition to risk level, each room type will have specific requirement for the cleanability and air leakage of the ceiling tile.

Therefore, a tile which meets risk zone 4 requirements may not necessarily be suitable for all room types defined in risk zone 4.

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AMF

Aquatec

Build on us.





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%)

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 Ideal for healthcare environments, laboratories, treatment rooms, locker rooms or shower areas

AMF THERMATEX® Aquatec



Characteristic		Detailed info	ormation								
Edge details	0 70	Board 1,24	d	Tegula	ar 24/90	Teg	ular 15/9	0	24	Finesse	
Thickness (mm)	<u>↓</u>	19			19		19			19	
Dimensions (mm)	$ \leftarrow $	600 x 6 625 x 6			0 x 600 5 x 625		600 x 600 625 x 625			600 x 600 625 x 625	
System	11	Exposed demo	ountable - S	System C					Concealed, System A.2		ble -
Weight	O kg \	5.2 kg / m²									
Colour		White									
Sound absorption		EN ISO 354		0 as per EN IS	0 11654 - Clas						
	₹	Frequency f (Hz))			125 0.60	250 0.70	500 0.85	1000 0.90	2000 1.00	4000 1.00
		α _p NRC = 0.90 as p	er ASTM C 42	23		0.00	0.70	0.65	0.90	1.00	1.00
Sound attenuation	**		EN ISO 10848-2 D _{n,f,w} = 29 dB as per EN ISO 717-1 CAC = 29 dB as per ASTM E 413-								
Sound reduction	華	EN ISO 1014 R _w = 16 dB as		0 717-1							
Fire reaction	8	Euroclass A2- Class A as pe			01-1						
Light reflectance	<u>Α̈́</u>	88%									
Thermal conductivity		λ = 0.060 W /	/mk as per	EN 12667							
Air permeability	717	PM1 (≤ 30 m	³/hm²) as ¡	oer DIN 181	L77						
Humidity resistance	00	100% RH									
Clean room	*	ISO 3 as per E	EN ISO 146	644-1							
Indoor air quality		A+	EN 13964 E1	SCHOOLS PROUD RAIR CORRESPONDED SCHOOLS PROUD RAIR CORRESPONDED RA							
Cleanability		1	<u></u>	3	// *						
Sustainability		EN ISO 14021 51.7% (2023)	EPD EN 15804	BIOSOLUBLE WOOL EC 1272/2006 Ames Q	www.blauer-en	gel.de/uz132					

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



Build on us.



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
- Ideal for healthcare environments, laboratories, treatment rooms, intensive care units

AMF THERMATEX® Thermaclean



Characteristic		Detailed i	informatio	n							
Edge details	07 10	Board									
		24									
Thickness (mm)	<u>↓</u>	19									
Dimensions (mm)	$ \longleftarrow $	600 x 600)								
System	9 1	Exposed de	mountable	- System C							
Weight	O kg	3.3 kg / m	1 ²								
Colour		White									
Sound absorption		EN ISO 354).95 as per EN I	SO 11654 - Cl a	ss A					
·	劉力	Frequency f	(Hz)			125	250	500	1000	2000	4000 1.00
		α _p NRC = 0.90 a	as per ASTM C	423		0.50	0.80	0.90	0.90	1.00	1.00
Sound attenuation	₹	EN ISO 10	848-2	N ISO 717-1			CAC	= 29 dB a	s per ASTM	I E 413-10	ı
Sound reduction	薬	EN ISO 10 R _w = 14 dE	140-2 3 as per EN	ISO 717-1							
Fire reaction	8	Euroclass	A2-s1, d0 a	s per EN 13!	501-1						
Light reflectance	<u>Α̈́</u>	88%									
Thermal conductivity		λ = 0.040	W/mk as p	er EN 12667	7						
Air permeability	7/7	PM1 (≤ 30) m³/hm²) a	s per DIN 18	177						
Humidity resistance	00	95% RH									
Clean room	*	ISO 4 as p	er EN ISO 1	4644-1							
Indoor air quality		MABC	EN 13964								
		A+	E1								
Cleanability		®	<u></u>								
Sustainability		(A) (A) (B) 150 14021	BIOSOLUBLE WOOL EC 1272/2008 Annex Q								
		26.2% (2023)									



NEWTONE

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

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NEWTONE



07/2024

Characteristic		Detailed infor	mation								
Edge details	0.0	Board									
Additional edge details on request		<u> </u>									
Thickness (mm)	<u>↓</u>	6									
Dimensions (mm)	$ \leftarrow$	600 x 600									
System	11	Exposed demou	ıntable - Sy	ystem C							
Weight	Q kg \	8.0 kg / m²									
Colour	A	White									
Sound absorption		EN ISO 354	a _w = 0.10 ((L) as per EN	ISO 11654 - C						
	₹	Frequency f (Hz)				125 0.25	250 0.15	500 0.10	1000 0.10	2000 0.10	4000 0.05
	-	NRC = 0.10 as per A	ASTM C 423			0.23	0.13	0.10	0.10	0.10	0.03
Sound attenuation	₹	EN ISO 10848- D _{n,f,w} = 37 dB as		0 717-1							
Fire reaction	8	Euroclass A1 as	s per EN 13	3501-1							
Light reflectance	Ω̈́	84%									
Humidity resistance	00	100% RH									
Indoor air quality		A+	13964 E1	eurofins a eurofin a							
Cleanability		<u></u>	Z.		10						

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

LUCRON Seinerka Business Centre, Slovakia, © BoysPlayNice



THE SMOOTH WHITE ACOUSTIC RANGE

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.



Smooth White Acoustic

AMF

Acoustic

Build on us.





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

- Good sound absorption (0.65 (H) α_w)
- Excellent sound attenuation (40 dB; SL2)
- High sound attenuation (38 dB; Board, Tegular 24/90, Tegular 15/90, Vector, Finesse)
- Excellent light reflectance (88%)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

AMF THERMATEX® Acoustic



Characteristic		Detailed in	nformation								
Edge details	6 5	Board	Tegular 24/90	Tegular 15/90		SL2		Vec	tor	Fine	esse
Additional edge details on request		D L ²⁴ J	24/90	15		24		Î	24 24 -17.5	24	101
		10	10	10		2,		1.0		1	•
Thickness (mm)	<u>↓</u>	19	19	19		24		19	/	1	9
Dimensions (mm)		600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600	600 x 600 1200 x 600		1200 x 3 1500 x 3 1800 x 3 2000 x 3 2500 x 3	00 00 00	600 x 625 x 1200 x	625	600 x 625 x 1200 1250	x 600
System	11	Exposed der	nountable - S	ystem C	plani Syste Semi plani demo Semi - Cor	-conceale ks, demou em I.3 -conceale ks - Bandr ountable -S -conceale ridor, dem tem F.2	ntable - d aster, System I.2 d planks	Semi-conc tiles, demo System C		Conceale demount System A	able -
Weight	kg	5.0 - 8.6 kg	g / m²		Jys			l		I	
Colour		White									
Sound absorption	₹	EN ISO 354		(H) as per EN ISO 11	654 - C						
	201	Frequency f (α _p Board, Te		gular 15/90, Finesse	,SL2	125 0.50	250 0.45	500 0.60	1000 0.85	2000 0.95	4000 0.95
		α _p Vector	s per ASTM C 42	3		0.45	0.40	0.60	0.80	0.90	1.00
Sound attenuation	₹	EN ISO 108 D _{n,f,w} = 38 d Tegular 15,	348–2 I B (Board, Tegi /90, Vector, Fi		ISO 71	.7-1		9 dB (Board Vector, Fines			
Sound reduction	華	EN ISO 101 R _w = 22 dB	40-2 as per EN ISC	717-1							
Fire reaction	8		12-s1, d0 as poer ASTM E 84	er EN 13501-1 4							
Light reflectance	ŘΣ	88%									
Thermal conductivity		λ = 0.060 \	N/mk as per E	EN 12667							
Air permeability	₹1₹	PM1 (≤ 30	m³/hm²) as p	er DIN 18177							
Humidity resistance	00	95% RH									
Clean room	**	ISO 4 as pe	r EN ISO 1464	44-1							
Indoor air quality		AHABIC A+	EN 13964 E1	CALLED TO THE COLUMN TO THE CO							
Cleanability/ Sustainability		19	190 0	35-36.9% (2023)	EPD N 15804	BIOSOLUBLE W EC 1272/2009 Ann		CERTHED CONTROL CONTRO			

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



AMF THERMATEX® Alpha

Build on us.



AMF THERMATEX® Alpha offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption

- $\blacksquare \quad \text{Excellent sound absorption } (0.90 \, \alpha_{\text{w}})$
- Good sound attenuation (34 dB)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms, learning applications and corridors

AMF THERMATEX® Alpha



Characteristic		Detailed infor	mation								
Edge details	070	В	oard			Tegular 24	¥/90		Tegı	ular 15/90	0
			Û			© 24			ā	15	
Thickness (mm)	<u>↓</u>		19			19				19	
Dimensions (mm)	$ \!$	625 120	0 x 600 5 x 625 0 x 600 0 x 625			600 x 6 625 x 6 1200 x 6	25		6	00 x 600 25 x 625 200 x 600	
System	11	Exposed demour	ntable - S	System C							
Weight	kg	3.3 kg / m²									
Colour		White									
Sound absorption	₩ Z	EN ISO 354	a _w = 0.9	95 as per EN IS	0 11654 - Cla s	s A					
	201	Frequency f (Hz)				125	250	500	1000	2000	4000
		α _p NRC = 0.90 as per	ASTM C 4:	23		0.50	0.80	0.90	0.90	1.00	1.00
Sound attenuation	繁	EN ISO 10848- D _{n,f,w} = 28 dB as	-2			CAC =	29 dB as	per ASTM	E 413-10		
Fire reaction	8	Euroclass A2-s : Class A as per A			01-1						
Light reflectance	Ω̈́.	88%									
Thermal conductivity		λ = 0.040 W/ m	ık as per	EN 12667							
Air permeability	₹1₹	PM1 (≤ 30 m ³ /	'hm²) as _l	per DIN 181	177						
Humidity resistance	00	95% RH									
Clean room	*	ISO 4 as per EN	ISO 146	544-1							
Indoor air quality		A+	N 13964 E1	SAME CONTROL OF CONTRO							
Cleanability			%								
Sustainability		(2023)	EPD N 15804	BIOSOLUBLE WOOL EC 1272/2008 Armer Q	SIM1) ROS SON CLASS SON BE SON	CERTIFED cradje to cradje to cradje	www.bl	lauer-engel, de/u	z132		

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AMF THERMATEX® Alpha Colour



Build on us.



AMF THERMATEX® Alpha Colour provides a modern appearance and is the optimal solution for spaces that require outstanding sound absorption. In addition to cream, black and silver, the acoustic range is also available in granite, steel, green marble, copper, oak, brass, sandstone and concrete Vario Design colours

- Excellent sound absorption (0.95 α_{...})
- Ideal for offices, restaurants, cinemas, classrooms and learning applications

AMF THERMATEX® Alpha Colour



Characteristic		Detailed	linform	ation								
Edge details	6	Board										
Additional edge details on request		Î										
Thickness (mm)	<u>↓</u>	19										
Dimensions (mm)		600 x 600 610 x 610 625 x 625	0			1200 x 6 1220 x 6 1250 x 6	510					
System	11	Exposed d	emounta	able - Sys	tem C							
Weight	kg	3.3 kg / ı	m²									
Colour					™ Vari	o Design	Colours					
	(0)											
		Black	Silver	Cream	Granite	Steel	Green Marble	Copper	Oak	Brass	Sand- stone	Concrete
Sound absorption	₹	EN ISO 354	. (a _w = 1.00 as a _w = 0.95 as	per EN ISO 1 per EN ISO 1	1654 - Clas 1654 - Clas	s A (Black) s A (other colo	ours)				
	201	Frequency		w			125	250	500	1000	2000	4000
		α _p Black					0.45	0.80	0.95	0.95	1.00	1.00
		F	£ /! !=\				125	250	500	1000	2000	4000
		Frequency α _o Other of					125 0.50	250 0.80	500 0.90	1000 0.90	2000 1.00	1.00
		NRC = 0.9 0		TM C 423								
Sound attenuation	**	EN ISO 10 D _{n,f,w} = 28		er EN ISO	717-1			CAC = 2	29 dB as p	er ASTM E	413-10	
Sound reduction	季	EN ISO 10 R _w = 14 d		EN ISO 7	'17-1							
Fire reaction	<u></u>	Euroclass	A2-s1,	d0 as per	EN 13501	-1						
Thermal conductivity		λ = 0.040) W/mk	as per EN	12667							
Air permeability	₹₹₹	PM1 (≤ 3	60 m³/hn	n²) as per	DIN 18177	7						
Humidity resistance	00	95% RH										
Indoor air quality	*	A+	EN 13									
Cleanability		<u></u>	<u></u>	\								
Sustainability		EN ISO 14021 49.3% (2023)	EN 15	7 (SOLUBLE WOOL	M1> SA	CERTHED Cradle to cradle to cradle	www.bl	lauer-engel.de/u	z132		

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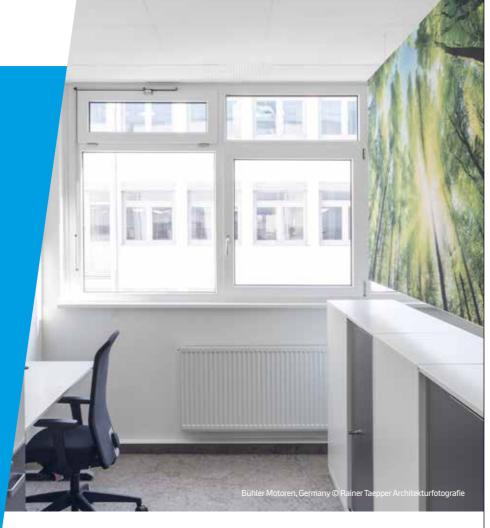
Options with this icon are available from our Vario Design range. Product availability may vary from country to country. Please contact your local sales representative.

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AMF THERMATEX® Alpha HD 19mm

Build on us.



AMF THERMATEX® Alpha HD 19mm offers a modern, white appearance and is the optimal solution for spaces that need a combination of excellent sound absorption and good sound attenuation

- Excellent sound absorption (0.90 α_w)
- Good sound attenuation (34 dB)
- Excellent light reflectance (88%)
- ISO 4

AMF THERMATEX® Alpha HD 19mm



Characteristic		Detailed in	nformation								
Edge details	00	Board	Tegular 24/90	Tegular 15/90		SL2			Fi	inesse	
		124	∞ 1 24 24	0 15	0 18		I		24	01	
Thickness (mm)	<u>↓</u>	19	19	19		19				19	
Dimensions (mm)	 	1200 x 600 1250 x 625 1500 x 600	600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1500 x 600 1800 x 600	600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1350 x 300 1350 x 600 1500 x 600 1800 x 600	135 150 180	50 x 300 50 x 600 00 x 300 00 x 300 00 x 300			62 120	0 x 600 5 x 625 00 x 600 50 x 625	
System	11	Exposed der System C	nountable -	Exposed, demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3	System I.3 Semi-con Bandrasto demounta Semi-con	emountabl 3 cealed plai er, ble - Syste cealed plai , demounta	nks - m I.2 nks		cealed,den em A.2 / A		-
Weight	kg	5.2 kg / m ²	2								
Colour		White									
Sound absorption	₩ Z	EN ISO 354 Frequency f (I		as per EN ISO 11654 - Clas	125 0.50	250 0.70		00 80	1000 0.90	2000 1.00	4000 1.00
Sound attenuation	₹	EN ISO 108				CAC	= 35	dB as	per ASTM	E 413-10)
Sound reduction	季	EN ISO 101 R _w = 17 dB	40-2 as per EN ISC	717-1							
Fire reaction	<u></u>	Euroclass A	.2-s1, d0 as p	er EN 13501-1							
Light reflectance	<u>Ģ:</u>	88%									
Thermal conductivity		λ = 0.060 V	V/mk as per E	EN 12667							
Air permeability	7/7	PM1 (≤ 30	m³/hm²) as p	er DIN 18177							
Humidity resistance	٥٥	95% RH									
Clean room		ISO 4 as pe	r EN ISO 1464	44-1							
Indoor air quality		A+ABC	EN 13964 E1	IACG							
Cleanability / Sustainability		<u></u>	<u></u>	EN 150 MAZZI 49.1% (2023)	BIOSOLUBLE I	Moor STE M	1) 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		CERTIFIED Sadie to cradie	www.blauer-e	ngeLde/uz132

■ Ideal for offices, classrooms, learning applications and corridors

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Siemens Office, Kyiv, Ukraine © Sergiy Kadulin

AMF
THERMATEX®
Alpha HD
30mm

Build on us.

AMF THERMATEX® Alpha HD 30mm offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption and sound attenuation

- lacktriangle Excellent sound absorption (0.90 α_w)
- Excellent sound attenuation (40 dB)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications

AMF THERMATEX® Alpha HD 30mm



07/2024

Characteristic		Detailed in	nformation								
Edge details	<u> </u>	Board	Tegular 24/90	Tegular 15/90)	SL2			Finesse		
Additional edge details on request		124	Û 24 24	Û		<u>E</u> 18			4 5		
Thickness (mm)	<u>↓</u>	30	30	30		30			30		
Dimensions (mm)	<u>├</u>	600 x 600 625 x 625 675 x 675 1200 x 600 1250 x 625	600 x 600 625 x 625 675 x 675 1200 x 600 1250 x 625	600 x 600 625 x 625 675 x 675 1200 x 600 1250 x 625 1350 x 300 1350 x 600		1350 x 1350 x 1500 x 1800 x 12000 x 1	500 300 300	:	600 x 600 625 x 625 1200 x 60 1250 x 62	; D	
System	1 1	Exposed den System C	nountable -	Exposed, demoutable - System C Exposed - Bandraster, demountble - System I.3 Exposed - Corridemountable - System F.3	- a-	Semi-conceale demountable - Semi-conceale Bandraster, de - System I.2 Semi-conceale Corridor, demo System F.2	System I.3 ed planks - mountable ed planks -	Conceale System A	ed,demoun A.2 / A.3	table -	
Weight	kg	8.2 kg / m ²									
Colour		White									
Sound absorption	₹	EN ISO 354		EN ISO 11654 - Class					2000		
		a _p	requency f (Hz) 125 250 500 1							4000 1.00	
Sound attenuation	₹	EN ISO 108	s per ASTM C 423 348-2 B as per EN ISO 71	7-1			CAC = 41 d	B as per A	STM E 413	3-10	
Sound reduction	季	EN ISO 101 R _w = 22 dB	40-2 as per EN ISO 717	-1							
Fire reaction	8	Euroclass A	2-s1, d0 as per EN	13501-1							
Light reflectance	Ω̈́;	88%									
Thermal conductivity		λ = 0.060 V	V/mk as per EN 12	667							
Air permeability	7/7	PM1 (≤ 30	m³/hm²) as per DIN	18177							
Humidity resistance	٥٥٥	95% RH									
Clean room	*	ISO 4 as per	r EN ISO 14644-1								
Indoor air quality		A+ABC	E1 IAC	G							
Cleanability		<u></u>	19								
Sustainability		EN 150 14021 49.9% (2023)	EN 15804 BIOGOLUBLE CONTROL BROWN BIOGOLUBLE C) EM1>		extricio extricio extra de la constanta de la	lauer-engel.de/uz	132			

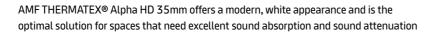
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AMF THERMATEX® Alpha HD 35mm



Sener Office Barcelona, Spain © Victor Sajara Photography

- Excellent sound absorption (0.90 α_w)
- Excellent sound attenuation (42 dB)
- Excellent light reflectance (88%)
- ISO 4

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Ideal for offices, classrooms and learning applications

AMF THERMATEX® Alpha HD 35mm



Characteristic		Detailed information							
Edge details	6 50	Board	Tegular 24/90	Teg	ular 15/9	0		SL2	
Additional edge details on request		124	Î		15		£ 1	18	
Thickness (mm)	<u>↓</u>	35	35		35			35	
Dimensions (mm)	├ →	600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600 1250 x 625	6 1: 1: 1	000 x 600 025 x 625 200 x 600 250 x 625 350 x 300 350 x 600) ;)	1 1 1	350 x 300 350 x 600 500 x 300 800 x 300 000 x 300	
System	11	Exposed demountable - S	ystem C	System C Exposed demount Exposed	demounta - - Bandrass able - Sys - Corridor, able -Syst	ter, tem I.3	Semi-conce demountab Semi-conce Bandraster, System I.2 Semi-conce Corridor, de F.2	le – System ealed plank , demounta ealed plank	I.3 s - ble - s -
Weight	kg	9.5 kg / m²							
Colour		White							
Sound absorption	₹	W	as per EN ISO 11654 - Cla	ss A					
	<i>₹</i> 0 × 1	Frequency f (Hz) α _p NRC = 0.85 as per ASTM C 42	3	125 0.40	250 0.65	500 0.85	1000 1.00	2000 1.00	1.00
Sound attenuation	₹	EN ISO 10848-2 D _{n,f,w} = 42 dB as per EN IS			CAC	= 44 dB	as per ASTM	E 413-10	
Sound reduction	薬	EN ISO 10140-2 R _w = 25 dB as per EN ISO	717-1						
Fire reaction	8	Euroclass A2-s1, d0 as p	er EN 13501-1						
Light reflectance	Ř.γ	88%							
Thermal conductivity		λ = 0.060 W/mk as per f	EN 12667						
Air permeability	717	PM1 (≤ 30 m³/hm²) as p	er DIN 18177						
Humidity resistance	00	95% RH							
Clean room	*	ISO 4 as per EN ISO 146	44-1						
Indoor air quality		A+ E1	Securities						
Cleanability		190 190							
Sustainability		EN 150 M021 50.4% (2023)	BIOSOLUBLE WOOL SEC LITZ 2008 Annex 9 SEC LITZ 2008 Annex 9	CERTIFIED cradle to cradle secure	www.bl	auer-engel.de	ə/uz132)		

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Build on us.

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
- Ildeal for offices, classrooms and learning applications

AMF THERMATEX® Alpha One



Characteristic		Detailed info	rmation									
Edge details	0.0	E	Board			Tegular 24	4/90		Tau	lar 15/90		
			1,24			∞ 24 <u>24</u>			oc	15		
Thickness (mm)	<u>↓</u>		24			24				24		
Dimensions (mm)	 	62	00 x 600 25 x 625 00 x 600			600 x 6 625 x 6 1200 x 6	25		6	00 x 600 25 x 625 200 x 600		
System	11	Exposed demou	untable - S	System C								
Weight	kg	4.0 kg / m ²										
Colour		White										
Sound absorption	₹	EN ISO 354	354									
	2111	Frequency f (Hz)				125 0.55	250 0.85	1.00	1000 0.95	2000 1.00	1.00	
		NRC = 1.00 as pe	er ASTM C 42	23								
Sound attenuation	₹	EN ISO 10848 D _{n,f,w} = 29 dB a		SO 717-1								
Sound reduction	季	EN ISO 10140 R _w = 17 dB as		717-1								
Fire reaction	8	Euroclass A2-s Class A as per			1-1							
Light reflectance	<u>Ā;</u> √	88%										
Thermal conductivity		λ = 0.040 W/r	mk as per	EN 12667								
Air permeability	₹1₹	PM1 (≤ 30 m ³ ,	/hm²) as p	oer DIN 1817	7							
Humidity resistance	00	95% RH										
Clean room		ISO 4 as per El	N ISO 146	44-1								
Indoor air quality		A*ABC A+	A+ E1 IACG									
Cleanability / Sustainability			190 ₀	EN ISO 14021 50.8% (2023)	EPD (**) EN 15804	BIOSOLUBLE 1 EC 1272/2008 A) įįM	IN CLASON ON CLA	CERTIFIED Cradle SECULE	www.blauer-e	ngel.de/uz132	

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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

AMF THERMATEX® dB Acoustic



Characteristic		Detailed information							
Edge details	6 50	Board		Tegular	24		Te	gular 15	
Additional edge details on request		<u></u>		24			α	15	
Thickness (mm)	<u>↓</u>	24,30		24				24	
Dimensions (mm)	$ \leftarrow $	600 x 600		600 x 6	00		60	00 x 600	
System	11	Exposed demountable - System C							
Weight	kg	8.6 - 10.6 kg / m²							
Colour		White							
Sound absorption	$\overline{\sim}$	EN ISO 354 α _w = 0.65 (H) as per EN	ISO 11654 - C		250		1000	2000	4000
	製 字	Frequency f (Hz) a, Board (24mm), Tegular 24, Tegular 15		125 0.40	250 0.45	500 0.60	0.80	2000 0.95	0.95
		α _p Board (30mm)		0.35	0.40	0.65	0.85	0.90	0.95
		NRC = 0.70 as per ASTM C 423							
Sound attenuation	繁	EN ISO 10848-2 D _{n.f.w} = 41 dB (24mm) as per EN ISO CAC = 43 dB (24mm) as per ASTM E	717-1 413-10	D _{n,f,w} =	43 dB (30	Omm) as p	er EN ISO 7	17-1	
Sound reduction	華	EN ISO 10140-2 R _w = 24 dB (24mm) as per EN ISO 71	L 7-1	R _w = 2	5 dB (30n	nm) as per	EN ISO 71	7-1	
Fire reaction	<u>\delta</u>	Euroclass A2-s1, d0 as per EN 1350 Class A as per ASTM E 84)1-1						
Light reflectance	Ä̈́	88%							
Thermal conductivity		λ = 0.075 W/mk as per EN 12667							
Air permeability	₹1₹	PM1 (≤ 30 m ³ /hm ²) as per DIN 181	77						
Humidity resistance	00	95% RH							
Clean room	*	ISO 4 as per EN ISO 14644-1							
Indoor air quality		AHAIBIC EN 13964 A+ E1 IACG							
Cleanability		190							
Sustainability		80000LURES WOOL N 150 140.21 36.8-37% (2023)	STE M1> SE	CERTIFIED cradle to cradle to cradle seonze	www.bl	auer-engel.de/u	z132)		

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07/2024



AMF THERMATEX® Thermofon

Build on us.

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%)

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Ideal for offices, classrooms and learning applications

AMF THERMATEX® Thermofon



Characteristic		Detailed in	nformatio	n							
Edge details	6 50		Board			Tegular 24	/90		Tegu	ılar 15/90)
Additional edge details on request			24			<u>©</u> 24			00	Î	
Thickness (mm)	<u>↓</u>		15			15				15	
Dimensions (mm)	$ \!$		600 x 600 625 x 625 1200 x 600 1250 x 625)		600 x 6 625 x 62 1200 x 6	25		62	00 x 600 25 x 625 00 x 600	
System		Exposed der	mountable -	- System C				-			
Weight	(kg)	2.9 kg / m	2								
Colour		White									
Sound absorption	$\overline{}$	EN ISO 354		. 80 (H) as per EN	NISO 11654 - (
	%	Frequency f (Hz)			125 0.55	250 0.75	500 0.75	1000 0.80	2000 0.95	1.00
		NRC = 0.85 a	s per ASTM C	423		0.33	0.75	0.73	0.00	0.73	1.00
Sound attenuation	₹	EN ISO 108 D _{n,f,w} = 28 d		ISO 717-1		CAC =	29 dB as	per ASTM	E 413-10		
Sound reduction	季	EN ISO 101 R _w = 13 dB		50 717-1							
Fire reaction	8	Euroclass A Class A as		s per EN 135 84	01-1						
Light reflectance	Ω̈́	88%									
Thermal conductivity		λ = 0.040 \	N/mk as pe	er EN 12667							
Humidity resistance	00	95% RH									
Clean room	*	ISO 4 as pe	r EN ISO 14	644-1							
Indoor air quality		A+	EN 13964	Securofine Securification Securificatio							
Cleanability		<u></u>	<u></u>	3.00							
Sustainability		47.8-48% (2023)	EN 15804	BIOSOLUBLE WOOL EC 1272/2008 Anner G	M1> TO B BUT THE THE THE THE THE THE THE THE THE TH	CERTIFIED Cradle to cradle to cradle sponze	www.bl	lauer-engel.de/Uz	:132		

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Build on us.



 $AMF\,TOPIQ@\,Efficient\,Pro\,is\,a\,very\,light\,stone\,wool\,panel\,with\,a\,modern, smooth\,surface.$

- Excellent sound absorption (1.00 α_w)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms, learning applications and underground garages

AMF TOPIQ® Efficient Pro



Characteristic		Detailed information						
Edge details		Board	Tegular	24/90		Tegi	ular 15/90)
Additional edge details on request	~	124-1]		α	15	
Thickness (mm)	<u>↓</u>	20	20)			20	
Dimensions (mm)		600 x 600 625 x 625 1200 x 600	600 x 625 x 1200 x	625		6	00 x 600 25 x 625 00 x 600	
System	11	Exposed demountable - System C						
Weight	(kg)	3.1 kg / m²						
Colour		White						
Sound absorption		EN ISO 354 $\alpha_{\rm w}$ = 1.00 as per EN ISO						
	%	Frequency f (Hz)	125	250	500	1000	2000	4000
		α _p NRC = 0.95 as per ASTM C 423	0.45	0.90	1.00	0.95	1.00	1.00
Sound attenuation	₹	EN ISO 10848-2 D _{n,f,w} = 25 dB as per EN ISO 717-1	CAC	= 25 dB as	per ASTM	E 413-10		
Sound reduction	季	EN ISO 10140-2 R _w = 15 dB as per EN ISO 717-1						
Fire reaction	8	Euroclass A1 as per EN 13501-1						
Light reflectance	Ģ:7	88%						
Humidity resistance	00	100% RH						
Clean room	零	ISO 4 as per EN ISO 14644-1						
Indoor air quality		A E1 IAC						
Cleanability		19 19 29						
Sustainability		BIOSOLUBLE WOOL EN 150 54021 28.4% (2023)	www.blauer-engel.de/uz132)				

AMF TOPIQ® Prime

Build on us.



 $\label{lem:amf-topiq} {\sf AMF\,TOPIQ@\,Prime\,is\,a\,very\,light\,stone\,wool\,panel\,with\,a\,modern,\,smooth\,surface.}$

- Excellent sound absorption (0.95 α_w)
- Excellent light reflectance (88%)
- ISO 5
- Ideal for offices, retail, classrooms, learning applications and underground garages

AMF TOPIQ® Prime



Characteristic		Detailed information						
Edge details		Board	Tegular	24/90		Teg	ular 15/90)
Additional edge details on request		Û -24_	© 24	1		c	15	
Thickness (mm)	<u>↓</u>	15	15	j			15	
Dimensions (mm)	-	600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 625 x 1200 x	625		6	00 x 600 25 x 625 200 x 600	
System	11	Exposed demountable - System C			,			
Weight	kg	2.4 kg / m ²						
Colour		White						
Sound absorption		EN ISO 354 α _w = 0.95 as per EN IS						
	劉之	Frequency f (Hz) α _p	125 0.50	250 0.85	500 0.95	1000 0.90	1.00	4000 1.00
		NRC = 0.90 as per ASTM C 423						
Sound attenuation	数	EN ISO 10848-2 D _{n,f,w} = 24 dB as per EN ISO 717-1	CAC	= 24 dB as	per ASTM	E 413-10		
Sound reduction	季	EN ISO 10140-2 R _w = 13 dB as per EN ISO 717-1						
Fire reaction	8	Euroclass A1 as per EN 13501-1 Class A as per ASTM E 84						
Light reflectance	<u>Ř</u>	88%						
Humidity resistance	00	100% RH						
Clean room	*	ISO 5 as per EN ISO 14644-1						
Indoor air quality		A E1 IAC						
Cleanability		<u> </u>						
Sustainability		1000 CLUBLE WOOL 1000 CLUBLE WOOL 1000 M 1 200 M 1 2	www.blauer-engel.de/uz132)				

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ANTARIS

Build on us.



ANTARIS is a white, laminated mineral tile and offers Class A sound absorption. ANTARIS provides fire protection and a hygienic ceiling solution

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





Characteristic		Detailed information								
Edge details	6 50	Board			Tegular 2	4/90		Tegu	ılar 15/90)
Additional edge details on request		24			© 24				15	
Thickness (mm)	<u>↓</u>	15			15				15	
Dimensions (mm)	 ←→ 	600 x 600 675 x 675 1200 x 600			600 x 6 675 x 6 1200 x 6	75		6	00 x 600 75 x 675 00 x 600	
System	11	Exposed demountable - Sy	stem C				·			
Weight	O kg \	2.9 kg / m²								
Colour		White								
Sound absorption			as per EN ISO	11654 - Clas						
	$\mathscr{U}_{\mathcal{I}}$	Frequency f (Hz)			125 0.50	250 0.80	500 0.85	1000 0.85	2000 1.00	4000 1.00
		α _p NRC = 0.90 as per ASTM C 423	;		0.30	0.80	0.83	0.83	1.00	1.00
Sound attenuation	₹	EN ISO 10848-2 D _{n,f,w} = 28 dB as per EN ISO	0 717-1		CAC =	29 dB as	per ASTM I	E 413-10		
Sound reduction	薬	EN ISO 10140-2 R _w = 13 dB as per EN ISO	717-1							
Fire reaction	8	Euroclass A2-s1, d0 as pe Class A as per ASTM E 84		1-1						
Light reflectance	<u>Α̈́</u>	86%								
Thermal conductivity		λ = 0.040 W/mk as per E	N 12667							
Humidity resistance	00	95% RH								
Clean room	*	ISO 5 as per EN ISO 1464	4-1							
Indoor air quality		A+ E1	SOR AIR COMPE							
Cleanability		190								
Sustainability		6% P	HOSOLUBLE WOOL	SIR M1> SOR BUILD	www.blauer	engel.de/uz132				



Build on us.



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 a_w)
- High light reflectance (86%)
- ISO 5
- Ideal for retail, offices and meeting rooms, installation rooms or production areas



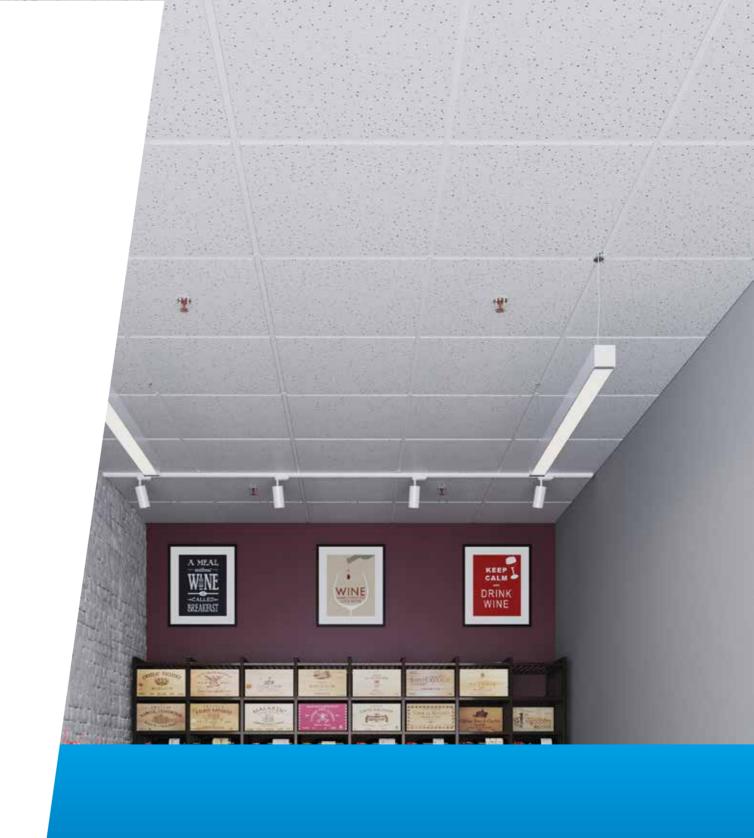


Characteristic		Detailed info									
Edge details			Board			Tegular	24		Te	gular 15	
Additional edge details	G- 50		0			. 				P	
on request		=	24			24			u	15	
Thickness (mm)	<u>↓</u>		13			13				13	
Dimensions (mm)	$ \longleftrightarrow $		00 x 600 200 x 600)		600 x 6	000		6	00 x 600	
System	11	Exposed demo	ountable -	System C	,			,			
Weight	O kg	3.0 kg / m²									
Colour		White									
Sound absorption	<u> </u>	EN ISO 354		70 as per EN ISC) 11654 - Cla :	1	250	F00	1000	2000	4000
	≫ √	Frequency f (Hz))			125 0.40	250 0.55	500 0.60	1000 0.75	2000 0.95	4000 1.00
		NRC = 0.70 as p	er ASTM C 4	423			5.55			5.75	
Sound attenuation	₹	EN ISO 10848 D _{n,f,w} = 30 dB 8		ISO 717-1		CAC =	30 dB as	per ASTM	E 413-10		
Sound reduction	薬	EN ISO 10140 R _w = 18 dB as		50 717-1							
Fire reaction	8	Euroclass A2 -	-s1, d0 as	per EN 1350	01-1						
Light reflectance	<u>Ř</u>	86%									
Thermal conductivity		λ = 0.060 W/	/mk as pe	r EN 12667							
Humidity resistance	00	90% RH									
Clean room	*	ISO 5 as per E	N ISO 14	644-1							
Indoor air quality	₹	MADC A+	EN 13964	Securofina Security Sec							
Cleanability		<u></u>	<u></u>								
Sustainability		45.1% (2023)	BIOSOLUBLE WOOL	S. M1> 8. 8. 10. C. C. A. S. S. S. S. M. A. S.	www.blauer-e	ngel.de/uz132					



THE CLASSIC SANDED RANGE

With a finely textured surface, the sanded Classic mineral ceiling solution provides a perfect balance of light reflectance and acoustic performance to enhance comfort.



Classic Sanded



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%)

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Ideal for retail, meeting rooms, installation rooms or production areas

AMF THERMATEX® Feinstratos



Characteristic		Detailed in	nformation								
Edge details Additional edge details on request	07 0	Board	Tegular 24	Tegular 15 Finesse		esse	SL2		K2	C2	
Thickness (mm)	<u>↓</u>	15	15	15	1	L9	19	9	1	5	
Dimensions (mm)	$ \leftarrow $	600 x 600 625 x 625 1200 x 600 1250 x 625 1800 x 300 2500 x 300	625 x 625								
System	11	Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable - System F.3 Exposed - Corridor, demountable - System A.2 / A.3 Exposed - Corridor, demountable - System A.2 / A.3 Exposed - Corridor, demountable - System A.2 / A.3 Exposed - Corridor, demountable - System I.3 Semi-concealed planks - Bandraster, demountable - System I.2 Semi-concealed planks - Corridor, demountable - In the contraction of the						Semi-cond planks, no untable - S Semi-cond planks - B non-demo System I.1 Semi-cond planks - C non-demo System F.	n-demo- System I.3 cealed andraster, cuntable - cealed orridor, ountable -		
Weight	(kg)	3.8 - 5.0 kg	g / m²								
Colour		White									
Sound absorption	<u>₩</u>								4000 0.20		
Sound attenuation	**	EN ISO 108 D _{n,f,w} = 34 d CAC = 35 d	B (Board, Teg	ular 24, Tegular 1 ular 24, Tegular 1	5, K2C2) 5, K2C2)	D _{n,f,w} = 3 CAC = 3	8 dB (Finess 8 dB (Finess	se, SL2) as se, SL2) as	per EN ISO per ASTM E	717-1 413-10	
Sound reduction	華		EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1								
Fire reaction	8	Euroclass A	2-s1, d0 as p	er EN 13501-1							
Light reflectance	<u>Α̈́</u>	85%									
Thermal conductivity		λ = 0.060 W/mk as per EN 12667									
Humidity resistance	00	95% RH									
Indoor air quality		A+ABC	EN 13964 E1	CONTROL OF THE CONTRO							
Cleanability/ Sustainability		1	<u></u>	20.2-32.7% (2023)	EN 15804	SOLUBLE WOOL 272/2008 Annex O					

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

AMF THERMATEX® Feinstratos Micro





AMF THERMATEX® Feinstratos Micro features a finely textured surface and creates an even, uniform ceiling appearance with good sound absorption

- Good sound absorption (0.60 α_w)
- Good to high sound attenuation (34-38 dB)
- Good light reflectance (85%)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

AMF THERMATEX® Feinstratos Micro



Characteristic		Detailed information										
Edge details Additional edge details on request	67 50	Board	Tegular 24	Tegular 15	Finesse		SL2 Î		K2C2			
Thickness (mm)	<u>↓</u>	15,19	15, 19	15		19		19	9	15		
Dimensions (mm)	$ \leftarrow $	600 x 600 625 x 625 1200 x 600 1250 x 625	625 x 625						x 300 312,5 x 300	2000 x 312,5 2500 x 312,5		
System	0.0	Exposed der	Concealed, demountable - System A.2 / A.3			Semi-conc planks, demountal System I.3 Semi-conc planks - Bidemountal System I.2 Semi-conc planks - Codemountal System F.2	ealed andraster, ole – ealed orridor, ole –	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	kg	3.9 - 5.0 kg	g / m²		ı			ı		1		
Colour		White	White									
Sound absorption	<u>₩</u>							4000 0.50				
Sound attenuation	₹	D _{n,f,w} = 34 d D _{n,f,w} = 38 d	EN ISO 10848-2 D _{n,f,w} = 34 dB Board, Tegular 24, Tegular 15, K2C2 (15mm) as per EN ISO 717-1 D _{n,f,w} = 38 dB Board, Tegular 24, Finesse, SL2 (19mm) as per EN ISO 717-1 CAC = 35 dB (15mm) CAC = 38 dB (19mm) as per ASTM E 413-10									
Sound reduction	華	EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1										
Fire reaction	8	Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84										
Light reflectance	Ö;Λ	85%										
Thermal conductivity		λ = 0.060 W/mk as per EN 12667										
Humidity resistance	00	95% RH										
Indoor air quality		A+ E1 IACG										
Cleanability/ Sustainability		100 100 100 100 100 100 100 100 100 100										

Build on us.

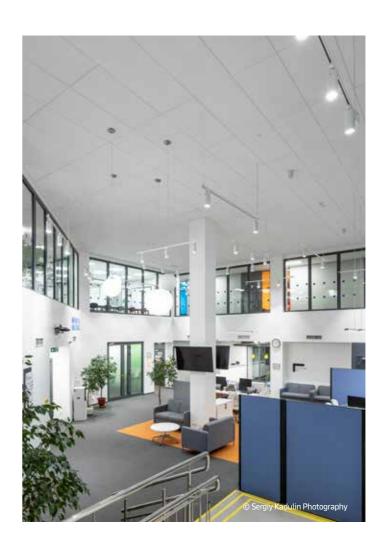
Product availability may vary from country to country. Please contact your local sales representative. For further information and legal notice, please visit our website.



Classic Fissured/ Perforated

THE CLASSIC FISSURED/ PERFORATED RANGE

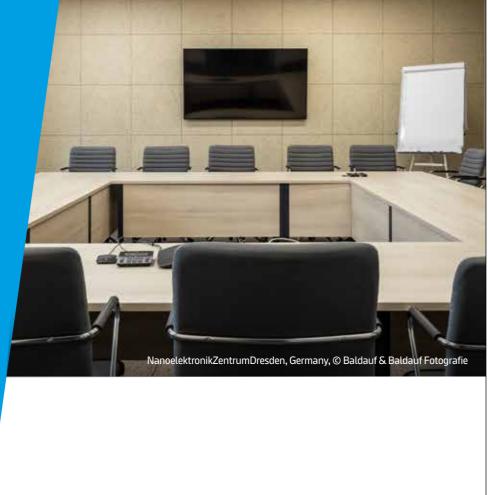
Choose a fissured surface from the Classic mineral range to enjoy its unique combination of superior sound absorption and sound attenuation for improved intelligibility.







Build on us.



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

STAR 15mm



07/2024

Characteristic		Detailed information							
Edge details	6 50	Board	Tegular 24	·	Te	egular 15		K2C2	
Additional edge details on request								<u>1</u> 28	
Thickness (mm)	<u>↓</u>	15	15			15		15	
Dimensions (mm)	 						2000 x 33 2500 x 33		
Additional sizes on request		1250 x 625 2500 x 300							
System	11	Exposed demountable – System C Exposed – Bandraster, demountable – System I.3 Exposed – Corridor, demountable – System F.3 Exposed – Corridor, demountable – System F.3						emoun-	
Weight	Q kg	3.6 - 3.8 kg / m ²							
Colour		White							
Sound absorption	₹	EN ISO 354 α _w = 0.60 as Frequency f (Hz)	s per EN ISO 11654 - Clas	125	250	500	1000	2000	4000
	3112	α _p NRC = 0.60 as per ASTM C 423		0.45	0.50	0.55	0.70	0.65	0.50
Sound attenuation	黔	EN ISO 10848-2 D _{n,f,w} = 34 dB as per EN ISO	717-1	CAC	:= 35 dB a	as per AST	M E 413-	10	
Sound reduction	華	EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1							
Fire reaction	8	Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84							
Light reflectance	ŘŹ	88%							
Thermal conductivity		λ = 0.060 W/mk as per EN	12667						
Humidity resistance	00	95% RH							
Indoor air quality	₹	A+ E1	eurofus Seurofus SPICE PRODUCTION OF THE PRODUCT						
Cleanability		190							
Sustainability		BIOGOLUBLE WOOL EN 15804 22.5-25.4% (2023) BIOGOLUBLE WOOL EC 1272/2008 Armer G							

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

For further information and legal notice, please visit our website.

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AMF THERMATEX® Mercure



Build on us.



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%)

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

AMF THERMATEX® Mercure



Characteristic		Detailed information								
Edge details	C TO	Board		Tegular 24			Tegular 15			
Additional edge details on request		124		€ 24 24			Û 115			
Thickness (mm)	<u>↓</u>	15		15			15			
Dimensions (mm)	$ \leftarrow $	600 x 600 1200 x 600		600 x 60	0		60	600 x 600		
System	11	Exposed demountable - System C								
Weight	Q kg/	3.6 - 3.8 kg / m²								
Colour		White								
Sound absorption	₹	EN ISO 354 $a_w = 0.60$ as per EN Frequency f (Hz)	ISO 11654 - Clas s	125	250	500	1000	2000	4000	
	3117	α _p NRC = 0.60 as per ASTM C 423		0.45	0.40	0.50	0.70	0.70	0.65	
Sound attenuation	₹	EN ISO 10848-2 D _{n,f,w} = 32 dB as per EN ISO 717-1 CAC = 32 dB as per ASTM E 413-10								
Sound reduction	薬	EN ISO 10140-2 R _w = 21 dB as per EN ISO 717-1								
Fire reaction	8	Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84								
Light reflectance	ŘΣ	85%								
Thermal conductivity		λ = 0.060 W/mk as per EN 1266	7							
Humidity resistance	00	95% RH								
Indoor air quality		A+ E1 IACG								
Cleanability										
Sustainability		EN 15:00 MG21 22.5-25.4% (2023) RIOSOLUBLE WOOL EN 15:004 EN 15:004 EN 15:004 EN 15:004								

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

AMF THERMATEX® Feinfresko



Build on us.



AMF THERMATEX® Feinfresko features an uneven textured finish and offers good sound absorption for better acoustic comfort

- Good sound absorption (0.60 (H) α_w)
- High sound attenuation (32 dB)
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

AMF THERMATEX® Feinfresko



Characteristic		Detailed infor	mation								
Edge details	6	Вог	ard	Tegular 24				Tegular 15			
		Ô			ĝ			Ŷ			
Additional edge details on request		 _2	44		∞ 24 24			<u></u> 215)			
Thickness (mm)	<u>↓</u>	1	.5		15			15			
Dimensions (mm)	 ←	625 x 1200	x 600 x625 x 600 x 625		600 x 600 625 x 625			625 x 625			
System	11	Exposed demou	untable – System C	-			·				
Weight	kg	3.6 - 3.8 kg / n	m²								
Colour	A	White	White								
Sound absorption		EN ISO 354	α _w = 0.60 (H) as per	r EN ISO 11654 - C							
	₩ >	Frequency f (Hz)			125 0.45	250 0.40	500 0.50	1000 0.70	2000 0.80	4000 0.75	
		NRC = 0.60 as per	ASTM C 423								
Sound attenuation	₹	EN ISO 10848-2 D _{n,t,w} = 32 dB (15 mm) as per EN ISO 717-1 CAC = 32 dB as per ASTM E 413-10									
Sound reduction	薬	EN ISO 10140-2 Rw = 21 dB as per EN ISO 717-1									
Fire reaction	8	Euroclass A2-s1, d0 as per EN 13501-1									
Light reflectance	<u>Ā;</u>	83%	83%								
Thermal conductivity		λ = 0.060 W/ m	λ = 0.060 W/mk as per EN 12667								
Air permeability	₹₹₹	PM1 (≤ 30 m³/	'hm²) as per DIN 1	8177							
Humidity resistance	٥٥٥	90% RH									
Indoor air quality	₹	A+ E1 IACG									
Cleanability											
Sustainability		22.5-25.4% (2023)									



Fire Performance

THE FIRE PERFORMANCE RANGE

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.

AMF System UNO 30

The greatest advantage of the UNO 30 system is the fire protection from above and below.

If a fire attacks from above, i.e. from the ceiling cavity, life-saving escape routes remain free of smoke and heat. If the fire attacks from below, the installations in the ceiling cavity 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.

As a design option, there is a choice between METAL or classic MINERAL design.



Acoustic Technical Glossary

Weighted sound absorption coefficient, a_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. aw = 0.65.

Weighted suspended ceiling normalised level difference, D_{new}

A single-number rating of the laboratory measurement of room-to-room (horizontal) airborne sound insulation of a suspended ceiling above adjacent rooms sharing a common ceiling plenum.

It is determined in accordance with EN ISO 717-1 from measurements made in accordance with EN 20140-9.

Note: EN 20149–9 has now been withdrawn and superseded by EN ISO 10848–2 (see D_{nfw}), although D_{ncw} test results still continue to be valid.

Weighted suspended ceiling normalised flanking level difference, D_{nfw}

A single-number rating of the laboratory measurement of room-to-room (horizontal) airborne flanking sound transmission of a suspended ceiling above adjacent rooms sharing a common ceiling plenum.

It is determined in accordance with EN ISO 717-1 from measurements made in accordance with EN ISO 10848-2. This has now superseded EN 20149-9. (see D_{ncw}).

Shape indicator

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

Weighted sound reduction index, R_w

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

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
Α	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

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 $D_{n f w}$ 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.

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.

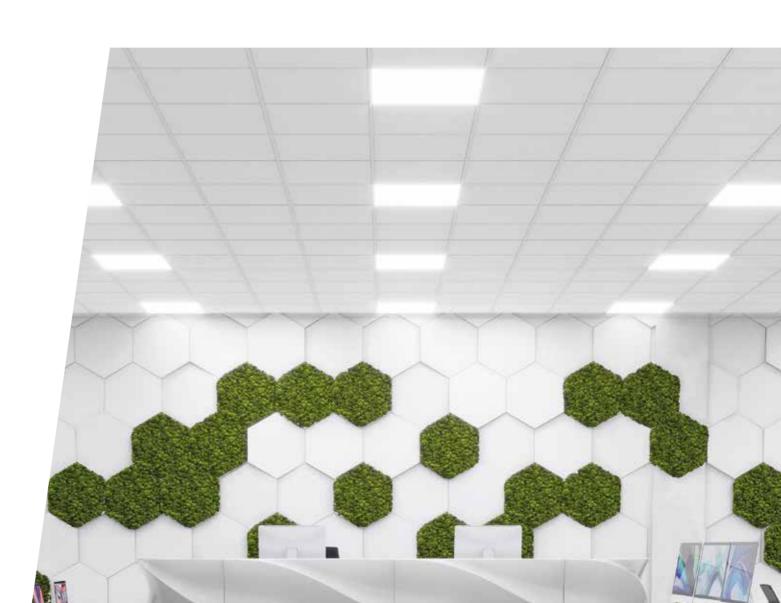
Hence the Equivalent Absorption Area per unit (measured in Sabines) is preferred to characterise the absorption provided by an individual 'space absorber'.

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.

Sound reduction

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



Definition of Technical Performance Icons

Definition of Technical Performance Icons



Sound Absorption

A single-number rating for random incidence sound absorption coefficients as calculated by reference to EN ISO 11654 (α_w) or to ASTM C 423-01 (NRC).



Sound Absorption Class

A classification for sound absorption (A – E) based upon the sound absorption $\alpha_{\rm w}$ value.



Sound Reduction

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



Dimensions

Recycled Content

VOC

Indicates the sizes available for the product of reference.

The recycled content of the product, as

The VOC emission performance

in accordance with the French

labelling requirements.

Formaldehyde (E1)

calculated in accordance with ISO 14021.



Sound Attenuation

Reaction to fire classification in

Light reflection is the proportion of

incident light that is reflected back off

Fire Reaction

as Euroclass (A1 - F).

Light Reflectance

A single-number rating for flanking sound transmission between adjacent rooms, as calculated by reference to EN ISO 717-1.

accordance with EN 13501-1 expressed



Humidity Resistance

Maximum relative humidity conditions for installation and lifetime of ceiling.



Antimicrobial

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



Air Permeability

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



Weight

the product.

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



Custom colours available for products with this icon.

spray on wipes.

of reference.

Colours

Resistance to Disinfectant



Scratch Resistance

Solutions with this icon offer a superior level of surface scratch resistance.

Can be cleaned with specific disinfectants commonly used

in healtchare premises. Disinfectants should be used as a

Indicates the suspension systems compatible with the product



Product Handling & Durability

Solutions with enhanced durability for improved handling and resistance damage.



Thermal Conductivity

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



Thickness

Indicates the thickness for the ceiling tile of reference.



Steam Cleaning

The apparatus used should be a cleaner that generates steam under pressure (8 bar and 175° C).



Edge Details

Indicates the different edge details available for the product of reference



Clean Room

Healthcare, pharmaceutics, and the food processing industry expect the highest levels of air cleanliness. We designed our clean room metal ceiling tiles to meet these requirements for labs, data centres, and clean room assemblies.



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.



Dry Cleaning

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



Moist Cleaning

For more intensive cleaning, the surfaces can be damp cleaned.

This should be carried out with a wrung-out soft cloth or sponge.

After cleaning, the surfaces of the tile should be dried with a soft cloth.



Cleaning and Disinfection

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



High Pressure

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



Scrubbable

 $Scrubbable\ with\ water\ containing\ mild\ soap\ or\ diluted\ detergent.$

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.



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



EPD (Environmental Product Declaration)

Independently verified and registered documents that communicate transparent and comparable information about the lifecycle 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.



Cradle To Cradle CERTIFIED®

Products with this icon are Cradle-to-Cradle CERTIFIED*, providing a transparent mechanism to compare the sustainability performance of products, showing that they are designed for recycling and helping to protect and to sustain our environment for future generations by keeping resources in the economy for a longer period of time.



Indoor Air Comfort Gold

Higher level "Indoor Air Comfort GOLD - Certified Product" shows additional compliance of product emissions with the critera of many of the voluntary specifications issued by most relevant ecolabels and similar specifications in the EU an requirements for sustainable building certifications. Certified products are those with the best-in-class low emissions, thus good for indoor air quality.



Indoor Air Quality

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



М1

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.



Indoor Air Comfort

Higher level "Indoor Air Comfort - Certified Product" shows additional compliance of product emissions with the critera of many of the voluntary specifications issued by most relevant ecolabels and similar specifications in the EU an requirements for sustainable building certifications. Certified products are those with the best-in-class low emissions, thus good for indoor air quality.



Biosoluble Wool

The mineral wool used in our products is biosoluble and therefore not a health hazard. The two quality labels RAL and EUCEB ensure the biosolubility of the wool through regular testing.



ISO 9001 & ISO 14001

This icon demonstrates Knauf Ceiling Solutions ability to consistently provide products and services that meet customer and regulatory quality management system requirements (ISO 9001) and environmental management system requirements (ISO 14001).



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

Knauf Ceiling Solutions GmbH & Co. KG

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