Acoustic Panel solutions

Product brochure

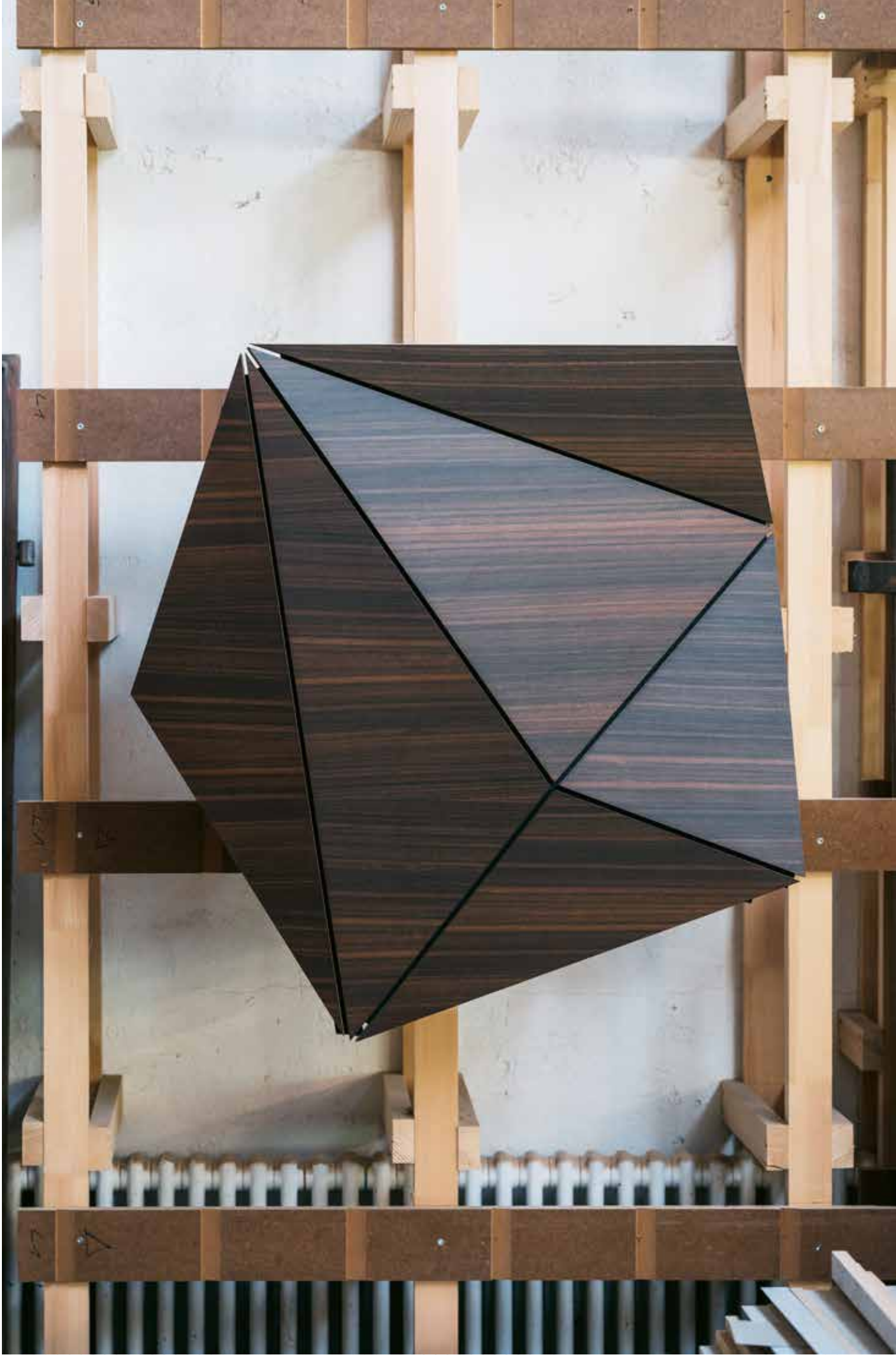
TOP AKUSTIK

Acoustic panel solutions

Listening closely is in our nature. We hear subtle overtones and thus bring different sound worlds into perfect harmony.

Lake Lungern, view from Obsee to the north

Cholhüttli Forest, Lungern



The Art of Acoustics: Wood in Perfection

Wood is far more than just a raw material – it is a symbol of durability, a connection to nature and renewal. In an era where global challenges such as climate change and resource scarcity compel us to act sustainably, we recognize our special responsibility.

We are setting new standards with high-quality acoustic elements made from wood, as sound quality and aesthetics grow increasingly important. Our passion for wood and our pursuit of perfection are reflected in every single product we create.

As a solutions partner, our goal is to create a symbiotic connection between the needs of our customers, the aesthetics of a surface, and the demands of acoustic functionality. It is our mission to combine the highest quality with innovative solutions to meet growing requirements.

Selecting sustainable raw materials is just as important as the careful management of resources in our production process.

When creating living spaces, acoustics play a central role – a positive influence that is often underestimated.

At Topakustik, our expertise and experience are focused on designing spaces that are “audibly more beautiful.” Our competence in creating bespoke surfaces and playing with forms is based on over 30 years of experience.

Discover the world of acoustics with us and experience how sound and design merge in perfect harmony.

Markus Hochstrasser
CEO

Sädel Forest, Lungern

Contents

Heading for perfection

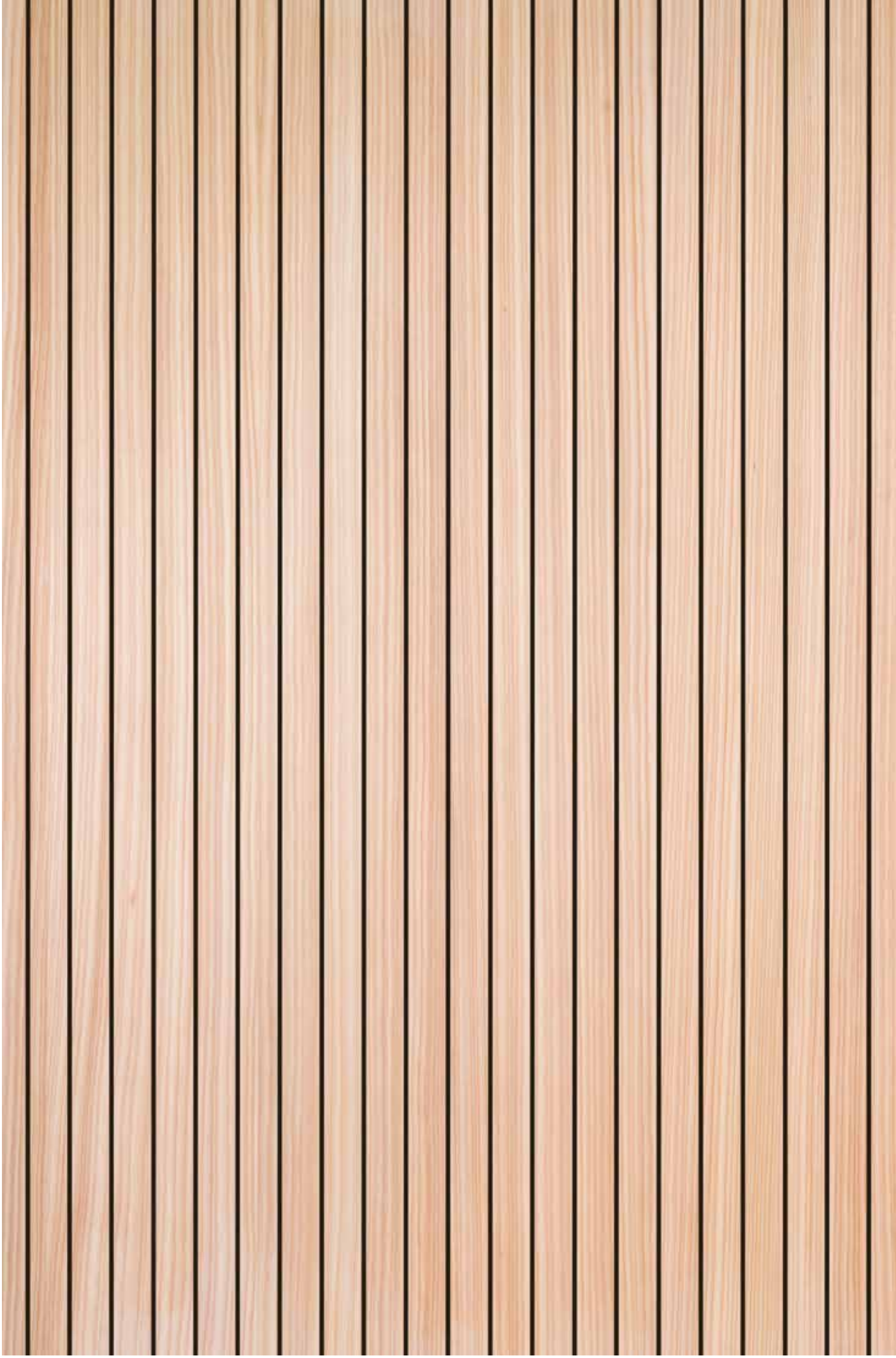
Topakustik's products reveal their full potential as part of a system in particular. We see every room as a visually perceptible resonant body – a place where acoustics and design unite to create a pleasant indoor climate.

Every room is unique here, which calls for a tailor-made solution for every requirement. Our specialists cater to room-specific, architectural, acoustic, technical and aesthetic needs. We recognise the challenge and accept it. We look for and develop the optimal approach. We understand and optimise processes for planning, production and assembly. We are only satisfied when the solution is perfectly focused on the problem at hand. We are driven by a spirit of invention and innovation in meeting these new daily challenges.

Topakustik is your solution partner. We have expertise in engineering. We have a lot of experience in meticulous craftsmanship. We use state-of-the-art technologies and high-performance machinery. Finally, we are driven by our ambition to support every project beyond the delivery of our products, right up to the acceptance of the finished building.

Architects, general contractors, private building owners, ceiling builders, interior designers and joiners benefit from a comprehensive solution package. Our experts develop the perfect solution based on the individual list of requirements.


TOP AKUSTIK



Topakustik Classic

Topakustik Classic is the refined acoustic system for wall and ceiling finishes. Many different groove patterns are available. Thanks to the honeycombed rear perforation pattern, the core panel largely retains its stability. Cut-outs, for example, are possible anywhere.

The acoustic system

All Topakustik types are available with different perforations on the rear. This makes it possible for the acoustic engineer to tailor the finishes optimally to the required absorption. The absorption values stated in this brochure comply with the ISO 354 standard. Additional certificates using other materials (e.g. only fleece, melamine resin foam, etc.) are available on request.

!

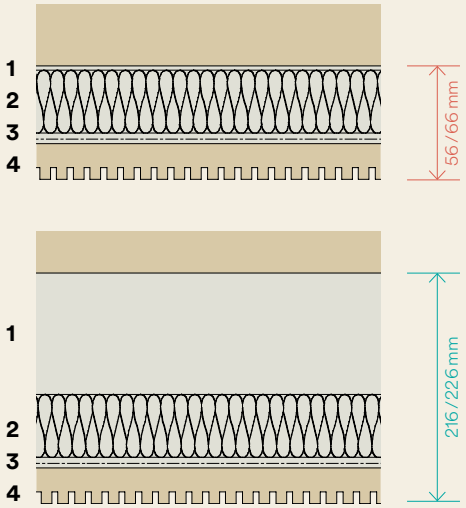
Structures with wide grooves and strong light-dark contrasts are particularly problematic when used horizontally.

Danger of flickering / moiré patterns!
Recommendation: For wall finishes, use the following grooves (5/1, 6/2, 8/3, 9/2, 14/2, 19/2, 29/3, 30/2).

To the product page with details and reference objects

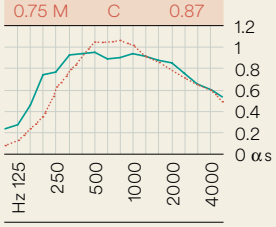
The acoustic system

Measured according to ISO 354



Example

αw	Euro	NRC
0.80 M	B	0.88
0.75 M	C	0.87



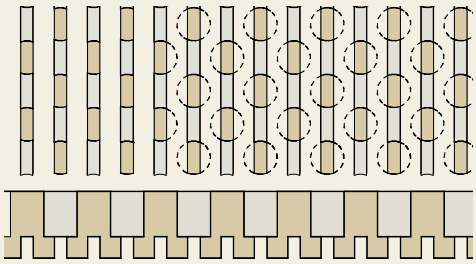
Structure:

1. Variable air cavity
2. Mineral wool 30 mm / 40 mm (40 – 60 kg/m³)
3. Acoustic fleece SP 60, laminated
4. Topakustik element in 16 mm MDF

The sound absorption of our products is measured in a reverberation room in accordance with ISO 354:1985. This provides the αs values either listed in tabular form or plotted on a chart. You can find such charts in the descriptions of the individual products. The αw value given in the tables is the weighted sound absorption level that is calculated using a standardised method.

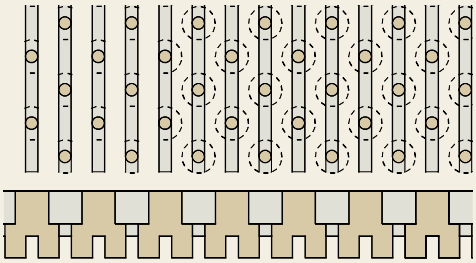
The classification into Euroclasses A, B, C, D and E is calculated and derived from the αw value (A = highest absorption capacity). The NRC (noise reduction coefficient) is the value specified in accordance with the US standard. Behind each αw value are the letters L, M and/or H to indicate if the sound absorption of the product is greater than 0.25 in the corresponding frequency range. L is for 250 Hz, M is for 500 Hz, and H is for 1000, 2000 or 4000 Hz.

M-Perforation



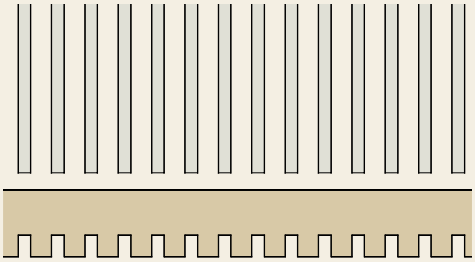
For high absorption in the medium to high-frequency range. Topakustik products with M-Perforation are suited for applications in which the reverberation time is to be lowered across the entire frequency band.

T-Perforation



For high absorption in the low to medium-frequency range. The high absorption in the low-frequency range is based on the combination of small holes on the visible side and large holes on the rear.

Reflectors



Topakustik elements can also be used as reflectors by eliminating the perforations on the rear. The absorption values are then equivalent to those of a standard reflecting panel.

Dimensions and materials

Planks

Thanks to the precise tongue-and-groove connection, planks create an attractive, seamless surface. The width of only 128 mm allows material expansion without this becoming visible in the joint. Installation can be made by stapling to a timber batten or clamping to a t-bar with turning clips. (for assembly, see page 84).

Normally flammable D-s2,d0 / CH RF 3			Flame retardant B-s1,d0 / CH RF 2			RESAP® core panel, non-combustible		Three-layer panel ARIA-Pure	Three-layer panel ARIA-Plus
Farblackiert 16 mm	Echtholzfurnier 17 mm	Melaminharz 16 mm	Farblackiert 16 mm	Echtholzfurnier 17 mm	Melaminharz 16 mm	Farblackiert 16 mm	Echtholzfurnier 17 mm	Finger-jointed white fir 16 / 19 mm	Finger-jointed white fir 20 mm Knotty spruce 20 mm
ideal = matched to MDF core sizes									
2780 × 128	2780 × 128	2780 × 128	2780 × 128	2780 × 128	2780 × 128	2540 × 128	2540 × 128	2480 × 128*	
				3640 × 128		3080 × 128	3080 × 128		
4080 × 128	4080 × 128*	4080 × 128	4080 × 128	4080 × 128*	4080 × 128			4080 × 128	4080 × 128
Custom lengths are also available									

Panels

Panels are used for removable or fixed ceiling and wall finishes. The larger width (compared to the planks) requires a joint between the panels in order to absorb the material expansion. Panels can be fitted with a number of different edges (page 82) and are thus also suited for cabinet fronts and room dividers.

Normally flammable D-s2,d0 / CH RF 3			Flame retardant B-s1,d0 / CH RF 2			RESAP® core panel, non-combustible	
Painted 16 mm	Real wood veneer 17 mm	Melamine 16 mm	Painted 16 mm	Real wood veneer 17 mm	Melamine 16 mm	Painted 16 mm	Real wood veneer 17 mm
ideal = matched to MDF core sizes							
2040 × 992/640	2040 × 992/640	2040 × 992/640	2040 × 992/640	2040 × 992/640	2040 × 992/640	1540 × 608	1540 × 608
2780 × 992/640	2780 × 992/640	2780 × 992/640	2780 × 992/640	2780 × 992/640	2780 × 992/640	2540 × 608	2540 × 608
				3640 × 608		3080 × 608	3080 × 608
4080 × 640	4080 × 640*	4080 × 640	4080 × 640	4080 × 640*	4080 × 640		
Custom lengths are also available – max. width depending on raw panel approx. 1200 – 1250 mm							

* depending on wood type

Interrupted grooves:
The grooves can be interrupted on panels. The edge can be chosen as required.

Further information on designs, dimensions and materials

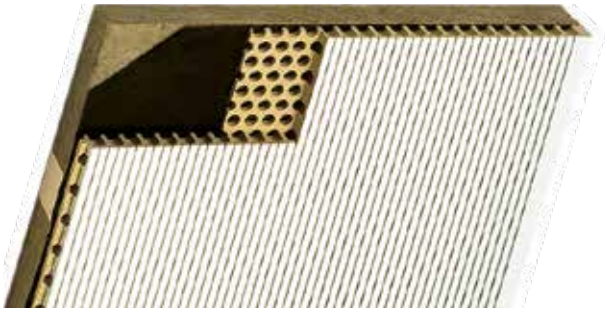
Fire categories **Page 80**

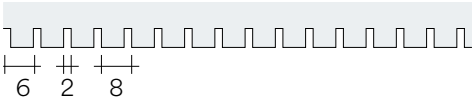
Page 75 – 77

Page 92 – 93

As of 2025 – current dimensions at www.topakustik.ch

Topakustik Classic narrow grooves





Topakustik Classic 6/2 M or T

Centre-to-centre distance = 8 or 10.66 mm

Compared to wider grooves, this grooving is less visible as the interplay of light and shadow appears constant due to the narrow groove spacing and therefore appears more flat. The narrow grooves require perfect assembly, as even the smallest differences in the surface are visible. Especially on medium to dark wood types and in combination with a black MDF core board, the fine look is a highlight in every project

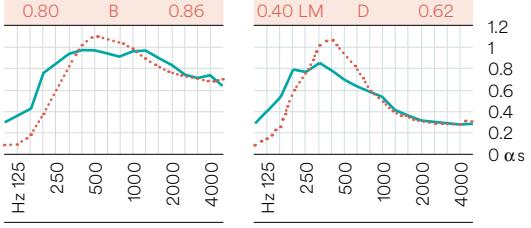
For dimensions and materials, see page 13
For surfaces, see pages 75 to 77

6/2 M-7 %

αw	Euro	NRC
0.85	B	0.91
0.80	B	0.86

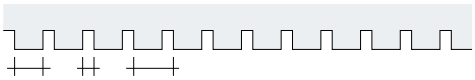
6/2 T

αw	Euro	NRC
0.40 LM	D	0.57
0.40 LM	D	0.62



Suspension height:
— approx. 216 mm
····· approx. 56 mm

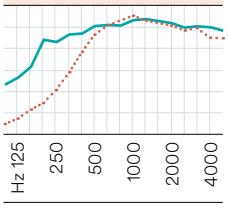
See page 12 for more information.



Topakustik Classic 8/3 M

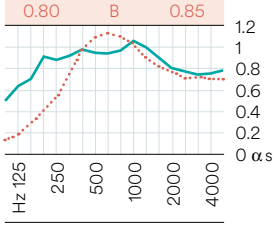
8/3 M-19 %

αw	Euro	NRC
1.00	A	1.00
0.70 MH	C	0.87



8/3 M-9.5 %

αw	Euro	NRC
0.85 L	B	0.92
0.80	B	0.85

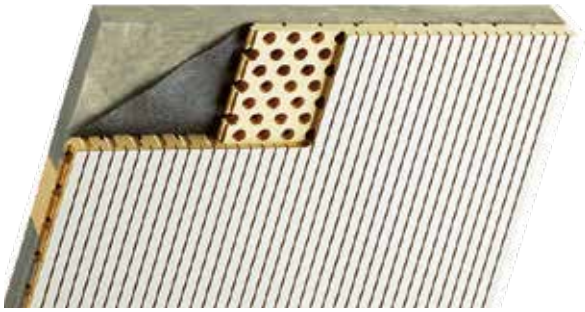


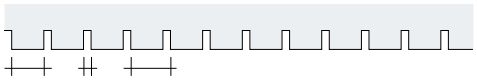
Suspension height:

approx. 200 mm

approx. 56 mm

See page 12 for more information.

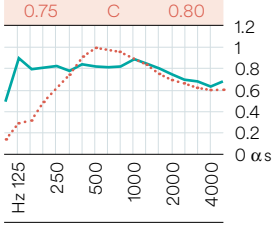




Topakustik Classic 9/2 M

9/2 M-6 %

αw	Euro	NRC
0.80	B	0.82
0.75	C	0.80



Suspension height:

approx. 216 mm

approx. 56 mm

See page 12 for more information.

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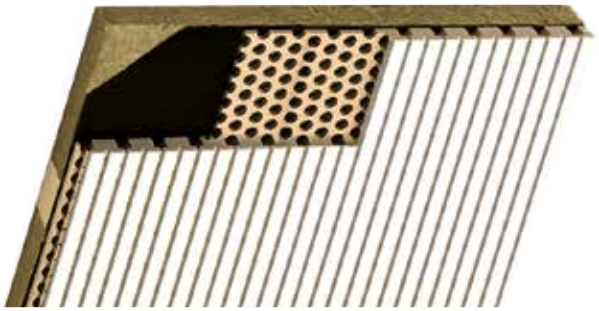
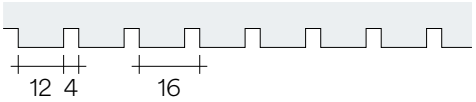
* Topakustik Classic 8/3 and 9/2:
During planning, the axial dimension of 10.$\overline{66}$ mm must be taken into account.

Topakustik Classic medium-sized grooves





Topakustik Classic 12/4 M

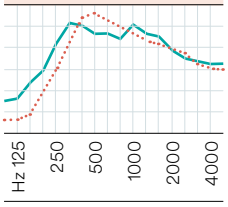
Centre-to-centre distance = 16 mm

The most popular Topakustik types. High sound absorption combined with easy assembly.
The grooving remains visible even from a long distance.

For dimensions and materials, see page 13
For surfaces, see pages 75 to 77

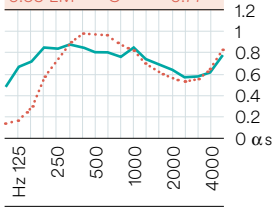
12/4 M-15 %

αw	Euro	NRC
0.80	B	0.89
0.80	B	0.86

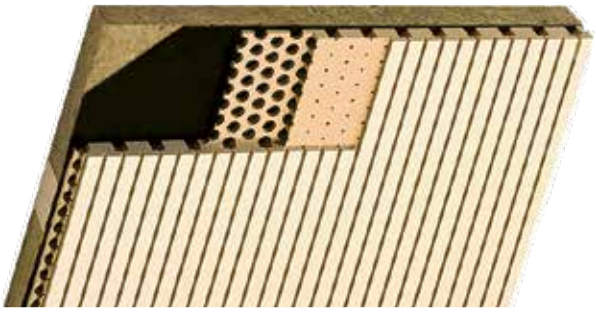


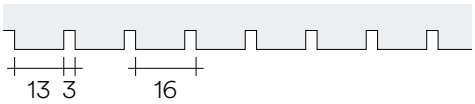
12/4 M-7.5 %

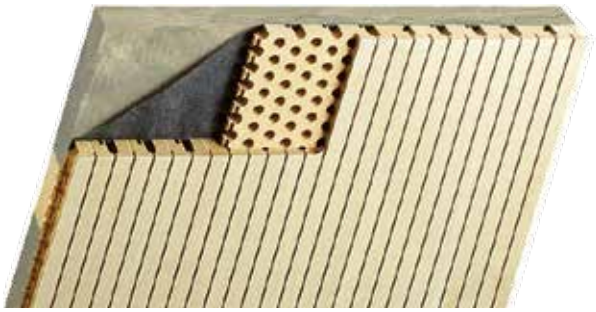
αw	Euro	NRC
0.75 L	C	0.78
0.65 LM	C	0.77

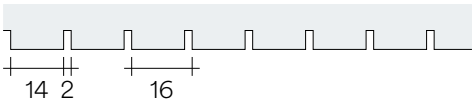


Suspension height:
approx. 223 / 246 mm
approx. 83 / 96 mm
See page 12 for more information.





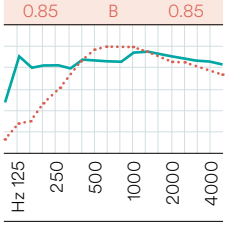




Topakustik Classic 13/3 M or T

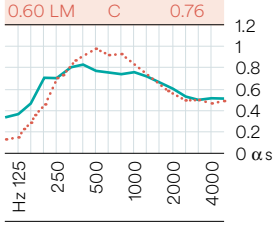
13/3 M-12 %

αw	Euro	NRC
0.90	A	0.89
0.85	B	0.85



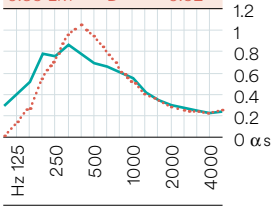
13/3 M-6 %

αw	Euro	NRC
0.65 L	C	0.71
0.60 LM	C	0.76



13/3 T

αw	Euro	NRC
0.35 LM	D	0.57
0.35 LM	D	0.62



Suspension height:

approx. 216 mm

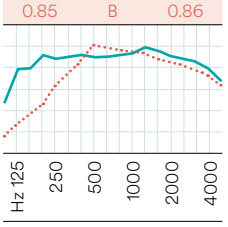
approx. 56 mm

See page 12 for more information.

Topakustik Classic 14/2 M

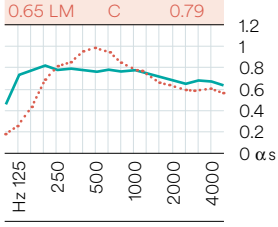
14/2 M-7 %

αw	Euro	NRC
0.90	A	0.89
0.85	B	0.86



14/2 M-3.5 %

αw	Euro	NRC
0.75 L	C	0.74
0.65 LM	C	0.79



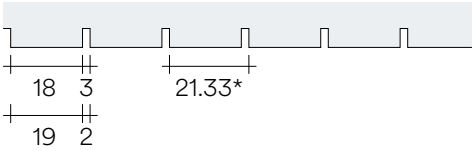
Suspension height:

approx. 216 mm

approx. 56 mm

See page 12 for more information.

Topakustik Classic wide grooves



Topakustik Classic 18/3 M & 19/2 M

Centre-to-centre distance = 21.3 or 32 mm

These grooves are the ideal solution for standard absorption requirements. As with all centre-to-centre distances, the wide grooving also comes with 2 mm, 3 mm and 4 mm grooves.

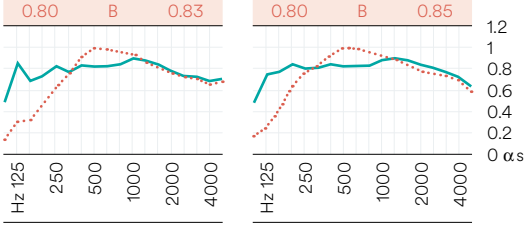
For dimensions and materials, see page 13
For surfaces, see pages 75 to 77

18/3 M-8.5 %

αw	Euro	NRC
0.80	B	0.83
0.80	B	0.83

19/2 M-6 %

αw	Euro	NRC
0.85	B	0.82
0.80	B	0.85



Suspension height:
approx. 216 mm
approx. 56 mm
See page 12 for more information.

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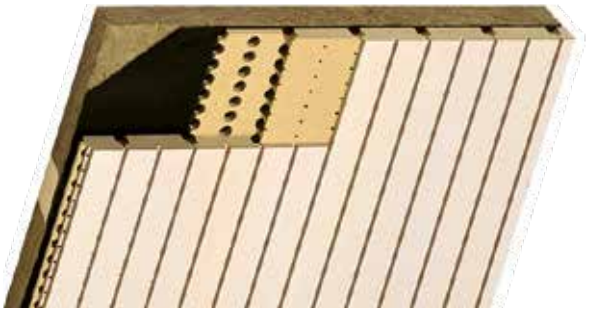
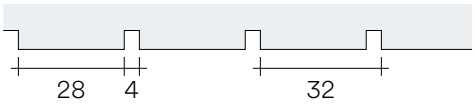
* Topakustik Classic 18/3 and 19/2: During planning, the axial dimension of 21.3̄3 mm must be taken into account.

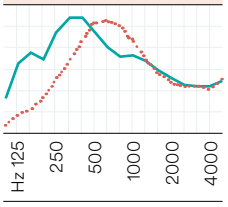




Topakustik Classic 28/4 M or T

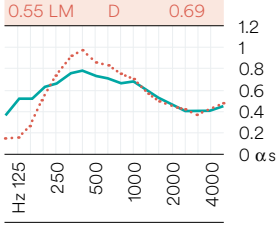
28/4 M-7.5 %

αw	Euro	NRC
0.55 LM	D	0.78
0.55 M	D	0.72



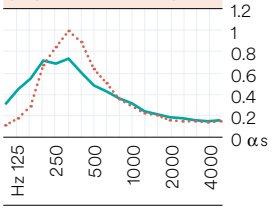
28/4 M-3.75 %

αw	Euro	NRC
0.50 LM	D	0.63
0.55 LM	D	0.69



28/4 T

αw	Euro	NRC
0.25 LM	E	0.41
0.25 LM	E	0.47

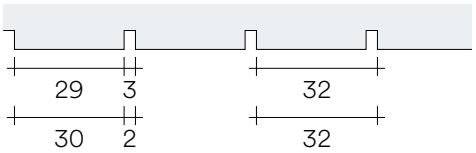


Suspension height:

approx. 216 mm

approx. 46 / 56 / 76 mm

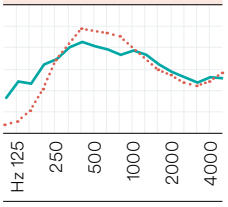
See page 12 for more information.



Topakustik Classic 29/3 M & 30/2 M

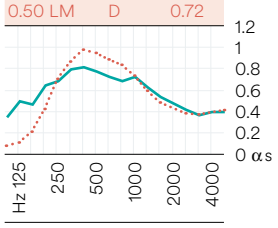
29/3 M-6 %

αw	Euro	NRC
0.65 L	C	0.73
0.60 LM	C	0.76



30/2 M-3.5 %

αw	Euro	NRC
0.55 LM	D	0.68
0.50 LM	D	0.72



Suspension height:

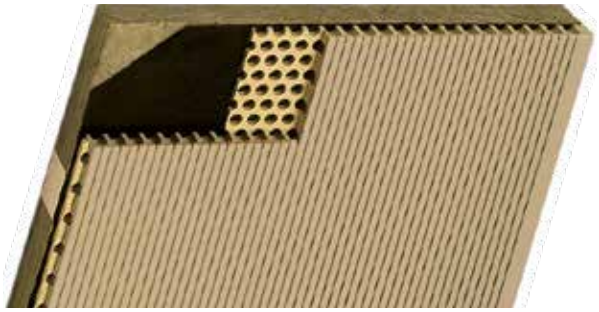
approx. 216 mm

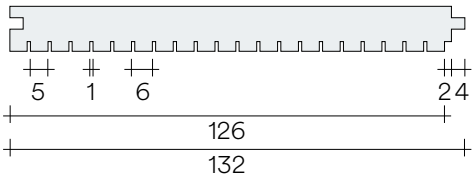
approx. 56 mm

See page 12 for more information.

Topakustik Classic special grooves

NEW



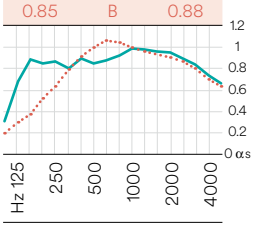


Topakustik Classic 5/1 M

Would you like a specific grooving?
For example, Topakustik Classic 5/1 is produced with a grooving that is only 1 mm wide. Alternatively, our various products with semi-circular ribs, listed on the opposite page are now available in a natural wood finish. A wider spacing of the grooving is also possible – please check the absorption values at the bottom of the page or feel free to ask us for further details.

5/1 M-4.5 %

αw	Euro	NRC
0.90	A	0.91
0.85	B	0.88



Surface finishes **Page 13**

Page 75–77

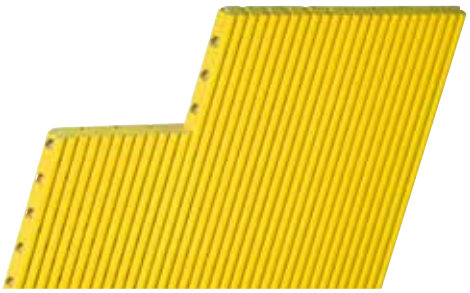
Page 93

Suspension height:
approx. 226 mm
approx. 66 mm
See page 12 for more information.

60/4 M-3.5 %	αw	Euro	NRC
216 mm	0.45 L	D	0.53
56 mm	0.40 LM	D	0.55

61/3 M-3 %	αw	Euro	NRC
226 mm	0.50 L	D	0.49
66 mm	0.45 L	D	0.51

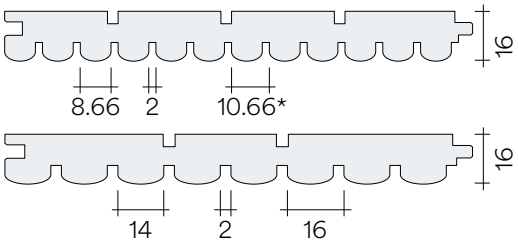
93/3 M-2 %	αw	Euro	NRC
226 mm	0.35 L	D	0.38
66 mm	0.35 L	D	0.39



HR 9/2 M & HR 14/2 M

Planks lacquered

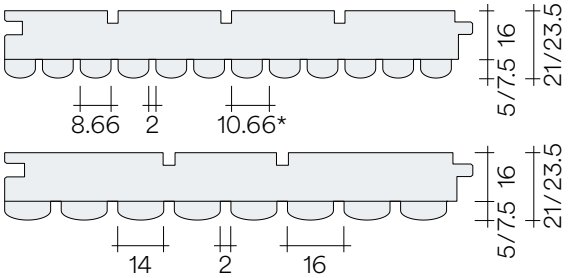
Thanks to the precise tongue and groove connection, planks result in an attractive surface with a joint-free appearance, because the connecting joint matches the dimension of the grooves. The planks permit simple and flexible assembly. They can be installed by stapling to a timber batten. Installation with Turning-clip is only possible with thickness of 19 mm.



Normally flammable D-s2,d0 / CH RF 3	Flame retardant B-s1,d0 / CH RF 2
Painted 16 mm	Painted 16 mm
ideal	
3800 × 128	3800 × 128
Custom lengths are also available	

Planks veneered 5/7.5 mm

Thanks to the use of reconstructed veneer, the plank can also be applied with a wood-like appearance. The production process is optimally adapted to the raw material, resulting in a completely convincing 3D veneer look. Installation can be carried out using clips or a stapler.



Normally flammable D-s2,d0 / CH RF 3
reconstructed veneer 5 or 7.5 mm
ideal
2900 × 128

HR 9/2 M-6 %	αw	Euro	NRC
216 mm	0.75 L	C	0.82
56 mm	0.75 M	C	0.85

HR 14/2 M-7 %	αw	Euro	NRC
216 mm	0.90	A	0.89
56 mm	0.85	B	0.86

Oak Optic ST2002

Alpi Dark Oak 10.67

* Topakustik Classic HR 9/2 M: During planning, the axial dimension of 10.66 mm must be taken into account.

Ideal purchase quantity

Veneer 5 mm 431 × 2900 × 128 mm = 160.1 m2
Veneer 7.5 mm 285 × 2900 × 128 mm = 105.6 m2

Plank veneered is FSC Mix Credit

Topakustik Classic R

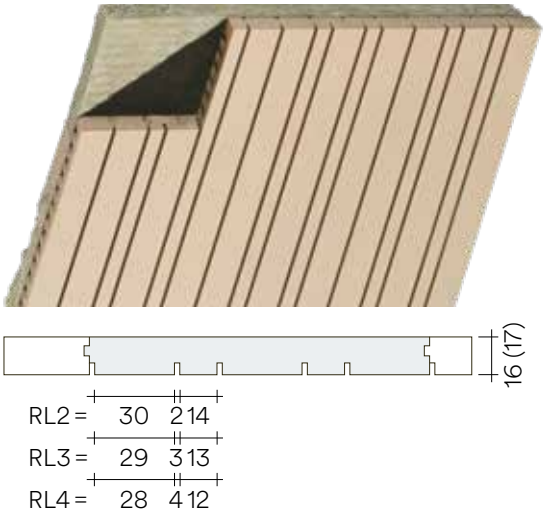
Centre-to-centre distance = 21.3 or 32 mm

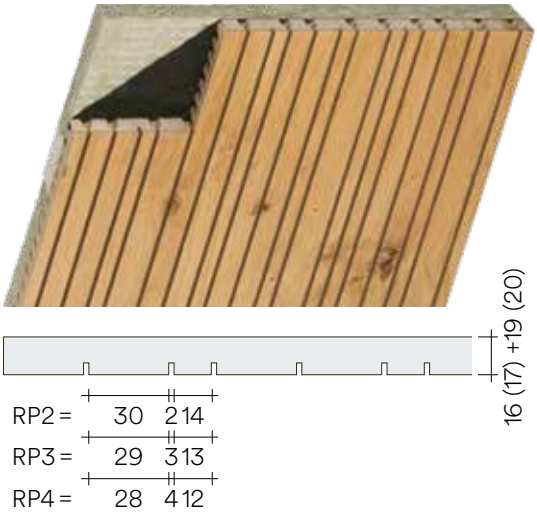
The grooving pattern is irregular and therefore has its own unique appeal. On the planks, the grooving is repeated every 128 mm according to the system. Two (Type Duo) or even three (Type Trio) differently grooved planks increase the irregularity, especially if the assembly happens randomly.

R4 M-9.4 %	αw	Euro	NRC
226 mm	0.80	B	0.82
56 mm	0.80	B	0.85

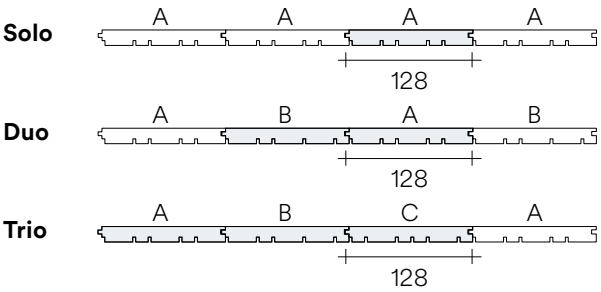
R3 M-7.4 %	αw	Euro	NRC
226 mm	0.80	B	0.79
56 mm	0.75	C	0.82

R2 M-4.5 %	αw	Euro	NRC
216 mm	0.70 L	C	0.74
56 mm	0.65 M	C	0.75



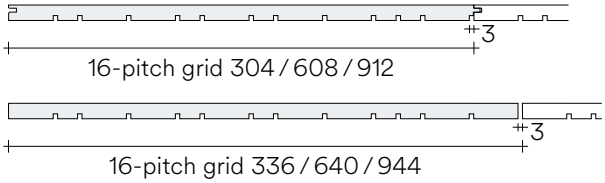


Topakustik Classic R planks

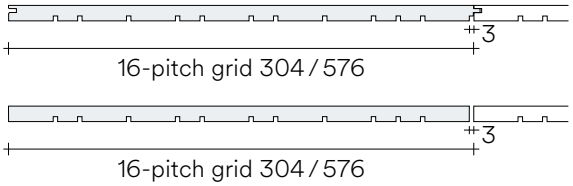


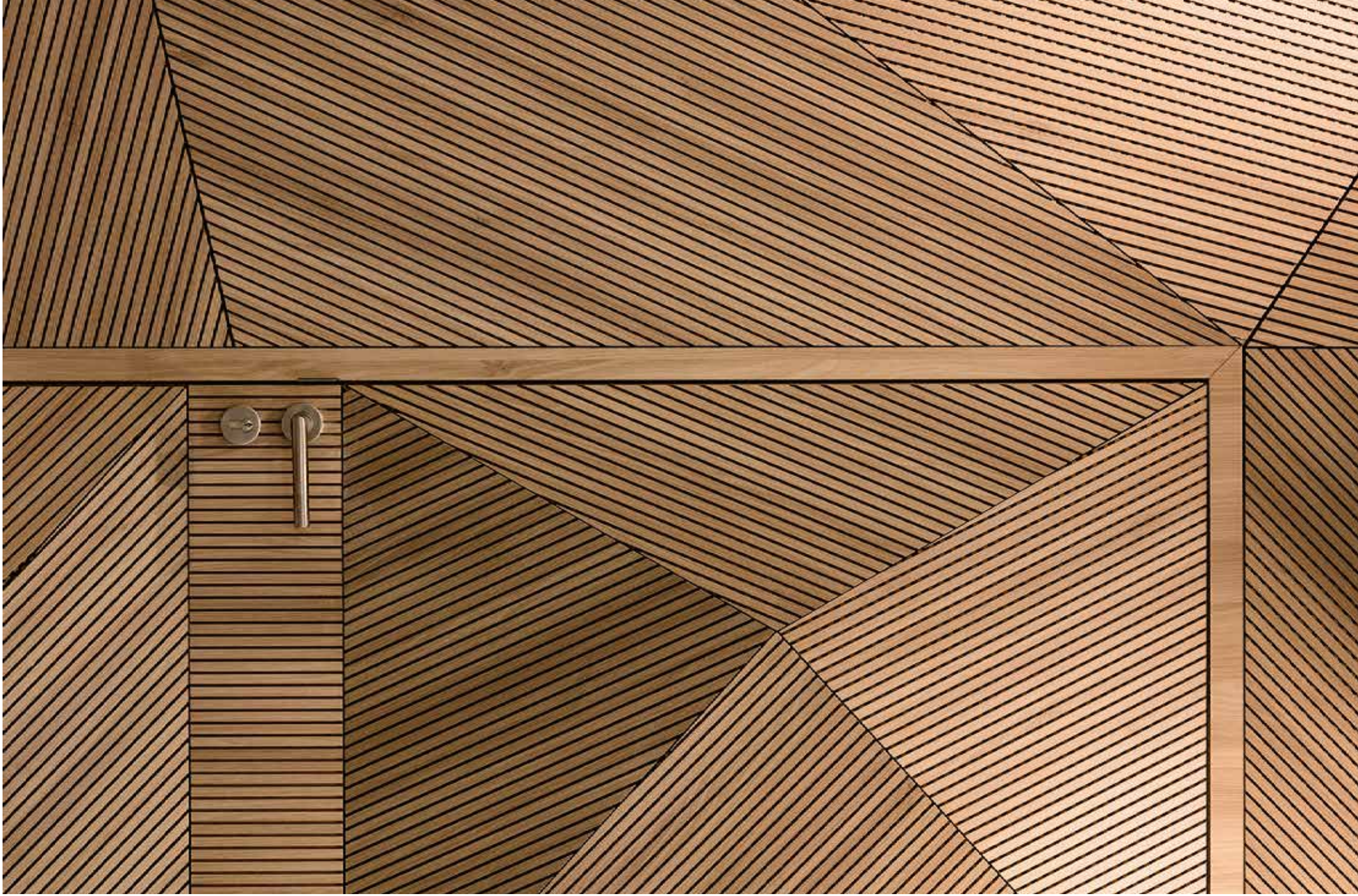
Topakustik Classic R panels

Classic RP3 M MDF



Classic RP3 M RESAP®

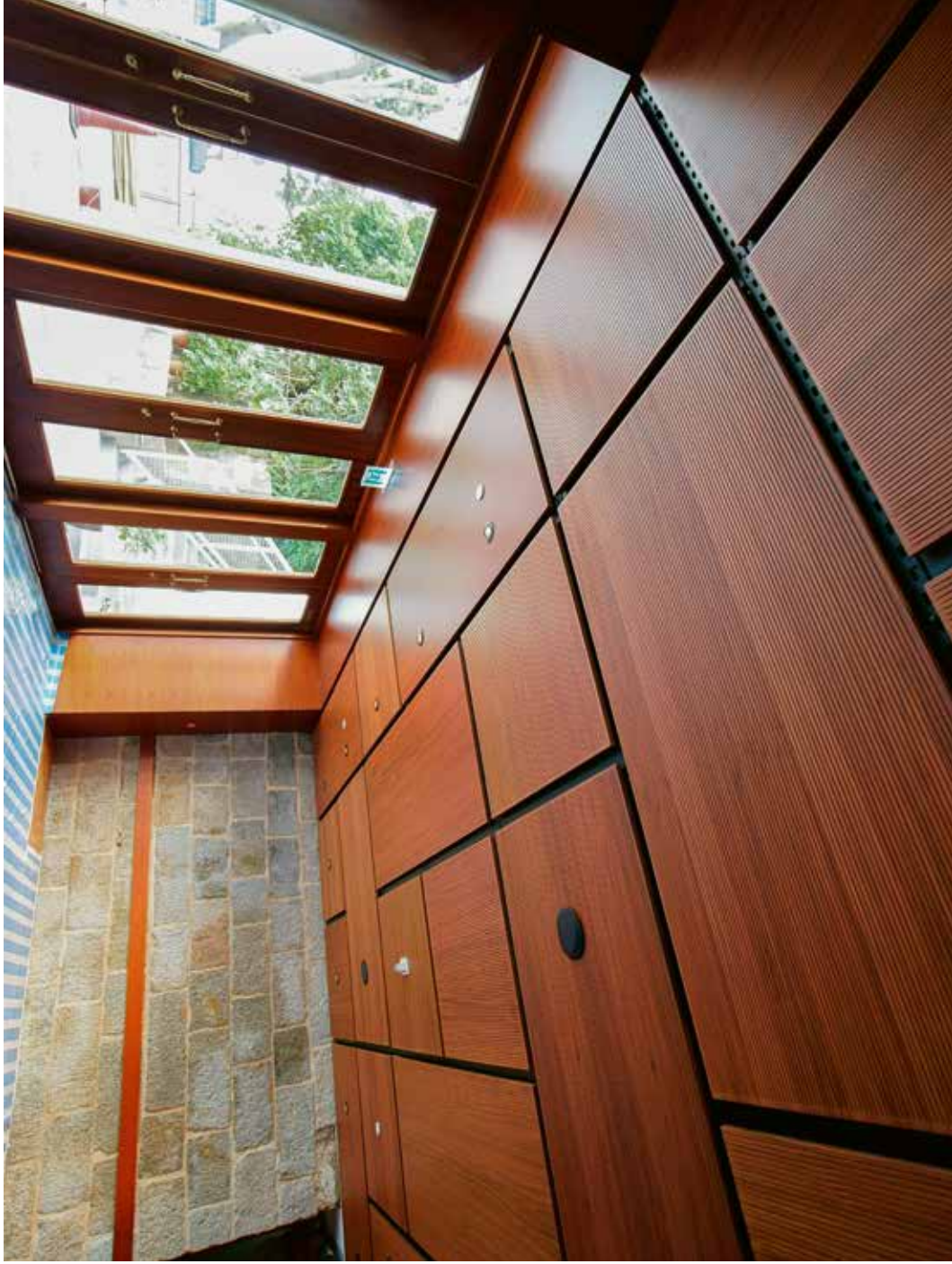




54 Rue de Londres, FR · Architect: Axel Schoenert Architectes, FR · Photo: Luc Boegly, FR · Product: Topakustik Classic, medium-sized grooves

Novartis Auditorium, USA · Architect: Cannon Design & Maya Lin Studio, USA · Photo: ©Anton Grassl/Esto · Product: Topakustik Classic, narrow grooves

Jungheinrich company headquarters, Hamburg DE · Architect: Reichardt+Partner Architekten, Hamburg DE
Photo: Walter Schiesswohl Fotografie, Hamburg DE · Product: Topakustik Classic, medium-sized grooves



Royal Yacht Club, HK · Architect: Jepsen Designs, HK
Photo: WL Suen, Andermax (H.K) Limited, HK · Product: Topakustik Classic, narrow grooves

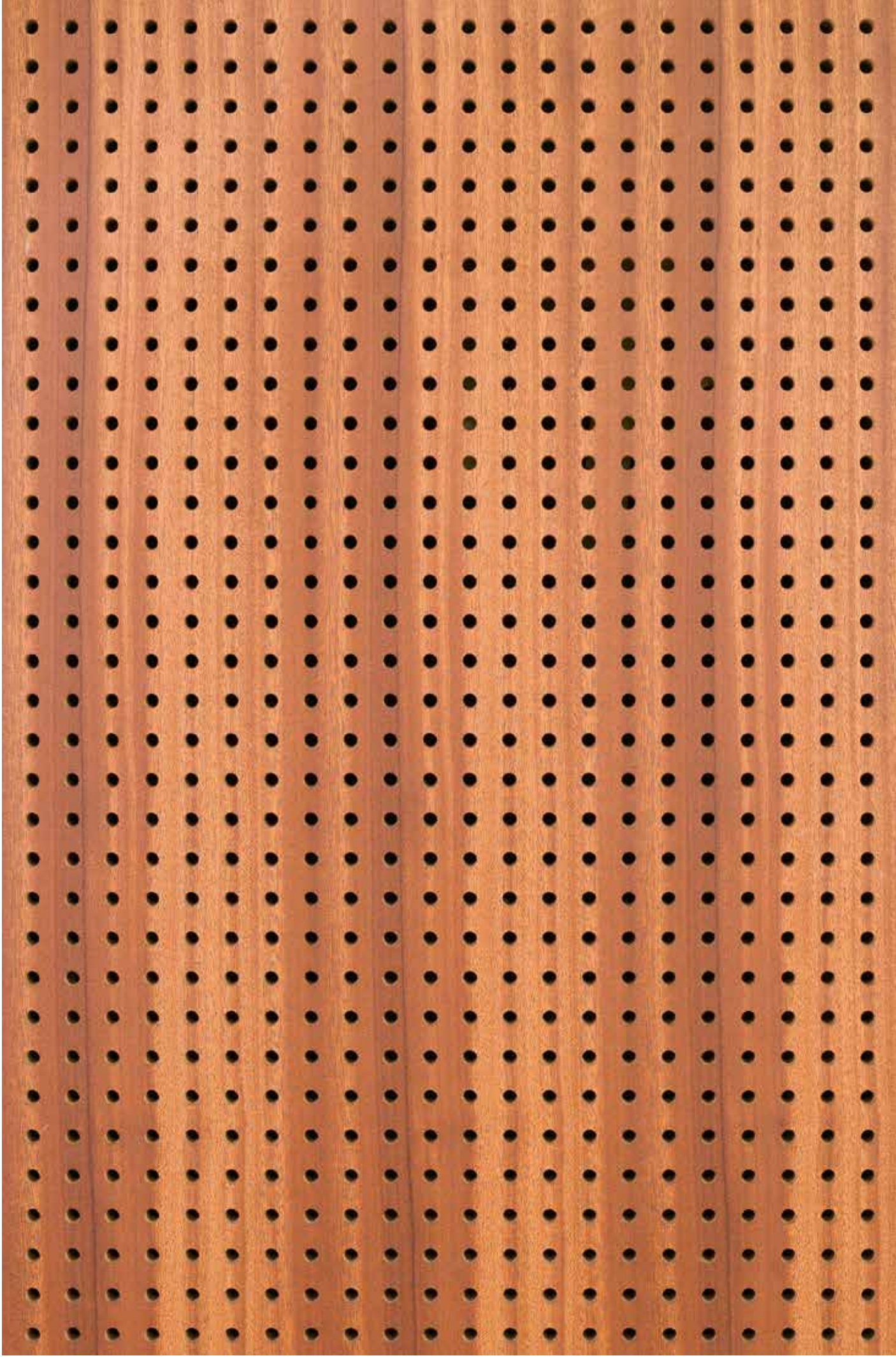
Engineering

Step by step to a tailor-made solution

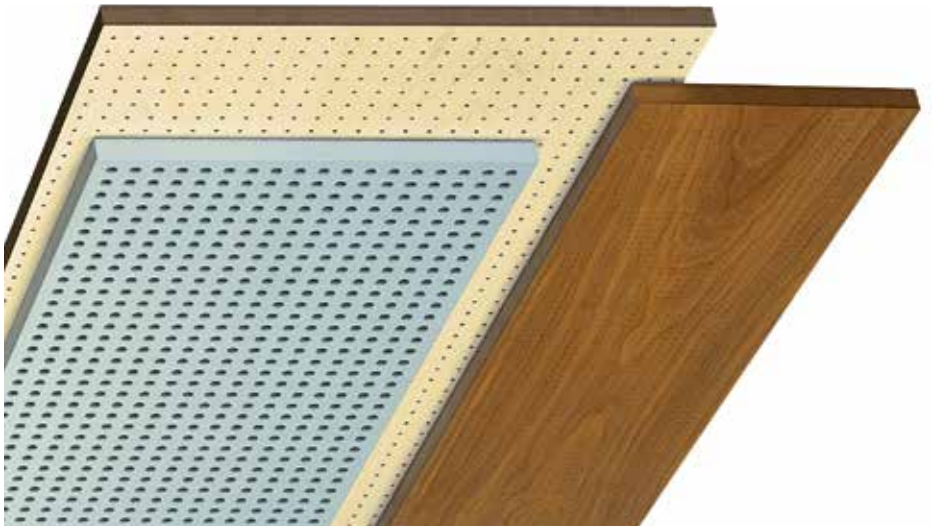
Some problems are not immediately solved, which is when that certain something extra is needed. Real innovations require a perfect combination of development and craftsmanship. The solutions for particularly complex problems are developed in Topakustik's in-house engineering department. Our goal here is to tinker until we find the answers to all open questions.

Our technicians and engineers are familiar with all aspects of timber construction technology. Once the list of requirements and initial outlines are in place, they get down to work immediately. The sketches are followed by a 2D plan, then a 3D plan. We then test the entire system using individual prototypes and build a true-to-scale mock-up. If the system meets all requirements in terms of functionality and quality, series production begins.

Bloomberg, The Vortex, London, UK · Architect: Foster + Partners, London UK · Photo: Nigel Young/Foster + Partners, London UK · Product: Topakustik Micro panels



Topakustik Perfo



Topakustik Perfo are perforated acoustic panels that are individually manufactured according to your wishes. Various hole diameters are available in different grids. Topakustik Perfo Clou are discreet in appearance while at the same time very effective in sound absorption thanks to the small hole diameters. Topakustik Perfo panels can be fitted with various edge designs. Hole-free edges or lamp fields are also possible.

To the product page with details and reference objects

The acoustic system

All Topakustik Perfo types are available with different perforations on the rear. This makes it possible for the acoustic engineer to tailor the Topakustik Perfo finishes optimally to the required absorption. The absorption values stated in this brochure comply with the ISO 354 standard. Additional certificates using other materials (e.g. only fleece, melamine resin foam, etc.) are available on request.

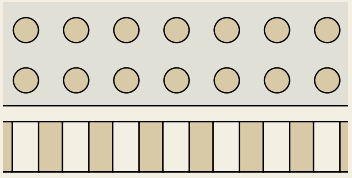
!

Large perforation diameters can be problematic due to the strong light-dark contrast.

Danger of flickering / moiré patterns!
Recommendation: For wall finishes, use the fine perforations (Topakustik Perfo T, Topakustik Perfo Clou or Topakustik Micro).

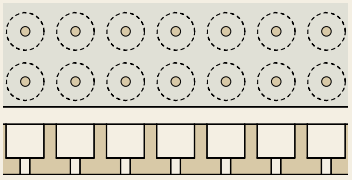
The acoustic system

M-Perforation



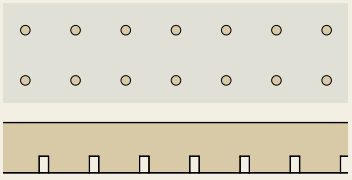
For high absorption in the medium to high-frequency range. The absorption depends on the degree of perforation on the acoustic elements, the absorption material applied to the rear, and the air cavity between the acoustic elements and the ceiling or wall.

T-Perforation



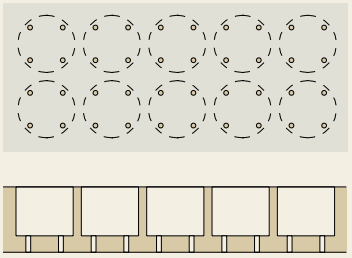
For high absorption in the low to medium-frequency range. The high absorption in the low-frequency range is based on the combination of small holes on the visible side and large holes on the rear. The small perforations and unobtrusive surface are particularly suitable for wall finishes.

Reflectors

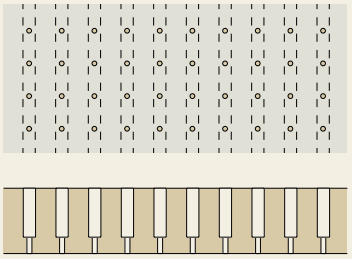


Topakustik Perfo elements can also be used as reflectors by having perforations that are not carried out continuously. The absorption values are then equivalent to those of a normal, non-perforated core panel.

Clou-Perforation



Clou Perforation in core panels with normal flammability. Developed on the basis of T-Perforation, the Clou Perforation features even smaller bore diameters starting at 1.2 mm. The sound energy is channelled through four bores on the visible side into one larger bore on the rear. Materials other than MDF can also be used as core panels.



Clou Perforation in flame-retardant or non-combustible core panels. The bore on the rear side is replaced by a groove that has a slight influence on the absorption values (note the measurements). The perforation on the visible side remains the same on flame-retardant panels; the minimum diameter for non-combustible core panels is 2 mm.

Dimensions and materials

Panels

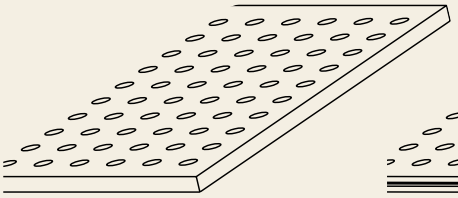
Panels are used for removable or fixed ceiling and wall finishes. The larger width requires a joint between the panels in order to absorb the material expansion. Panels can be fitted with a number of different edges (page 82) and are thus also suited for cabinet fronts and room dividers.

Normally flammable D-s2,d0 / CH RF 3			Flame retardant B-s1,d0 / CH RF 2			RESAP® core panel, non-combustible	
Painted 16 mm	Real wood veneer 17 mm	Melamine 16 mm	Painted 16 mm	Real wood veneer 17 mm	Melamine 16 mm	Painted 16 mm	Real wood veneer 17 mm
ideal = matched to MDF core sizes							
2040 × 992/640	2040 × 992/640	2040 × 992/640	2040 × 992/640	2040 × 992/640	2040 × 992/640	1540 × 608	1540 × 608
2780 × 992/640	2780 × 992/640	2780 × 992/640	2780 × 992/640	2780 × 992/640	2780 × 992/640	2540 × 608	2540 × 608
			3640 × 608			3080 × 608	3080 × 608
4080 × 640	4080 × 640*	4080 × 640	4080 × 640	4080 × 640*	4080 × 640		
Custom lengths are also available – max. width depending on raw panel approx. 1200 – 1250 mm							

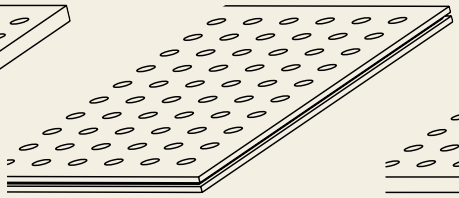
*depending on wood type

As of 2025 – current dimensions at www.topakustik.ch

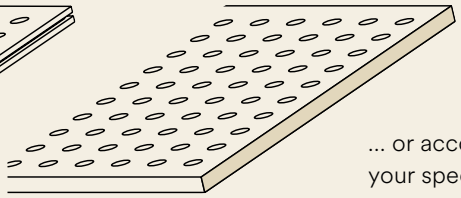
Edges



Clean cut



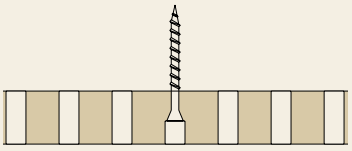
With surrounding tongue and groove



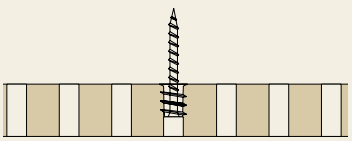
Visible edge

... or according to your specifications

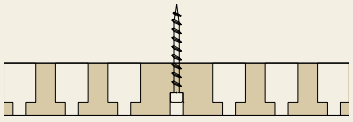
Mounting



Topakustik Perfo M, Ø 6 mm
Special screws: in half depth “dummy” perforations



Topakustik Perfo M, Ø 8 mm
Screwed through socket inserted at the rear



Topakustik Perfo T, Ø 4 + 5 mm
Special screws: in half depth “dummy” perforations

See installation manual!

Fire categories, page 80

Page 75 – 77

Topakustik Perfo M

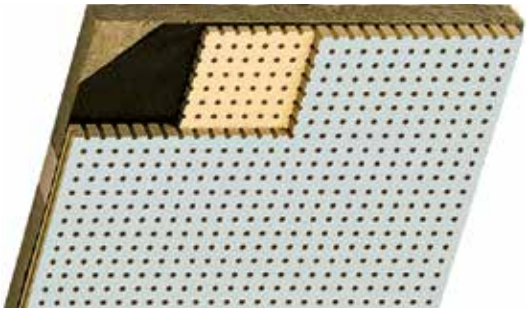
Acoustic panels in their conventional form in all materials and surfaces. Perforation-free edges and interrupted perforations for cut-outs of your choice.

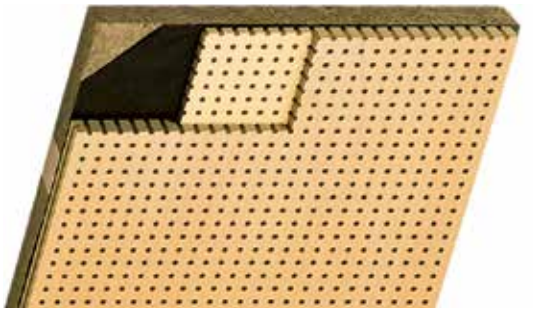
For dimensions and materials, see page 31
For surfaces, see pages 75 to 77

Grid dimensions and bore diameters
Axial dimension 16 / 20 / 40 mm

x	y	Ø	open area	ISO 354
16	16	6	12%	✓
16	16	8	20%	✓
16	16	10	30%	✓
20	20	6	7%	✓
20	20	8	12%	✓
20	20	10	20%	✓
40	40	10	5%	✓

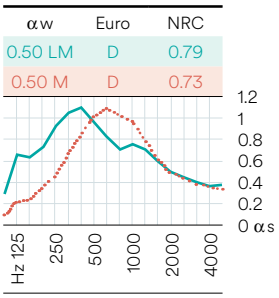
... and many others!





Topakustik Perfo M 16/16/6

16/16/6-12 %

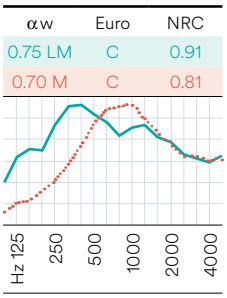


Suspension height:
— approx. 216 mm
····· approx. 46 mm

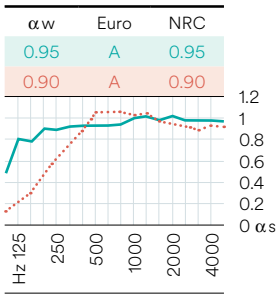
See page 12 for more information.

Topakustik Perfo M 16/16/8 & 16/16/10

16/16/8-20 %



16/16/10-30 %



Suspension height:
— approx. 216 mm
····· approx. 46 / 56 mm

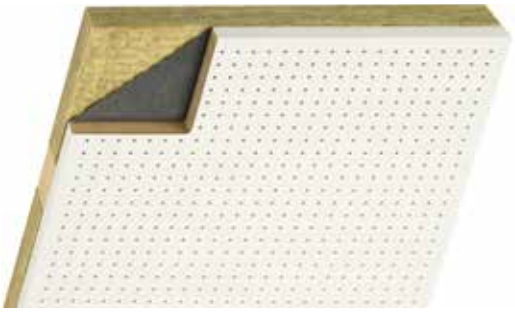
See page 12 for more information.

Topakustik Perfo T

Developed and successfully used by Topakustik, the T-Perforation has a discreet effect while still offering high-performance absorption.

Topakustik Perfo T is available with perforation bores of 3, 4 and 5 mm. The smaller the visible perforations, the more the maximum absorption shifts to the lower frequency.

For dimensions and materials, see page 31
For surfaces, see pages 75 to 77



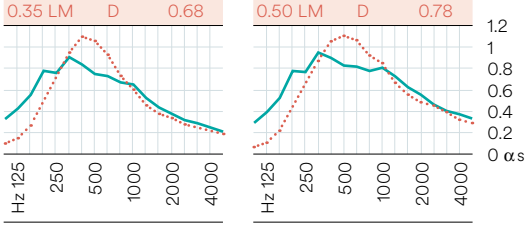
Topakustik Perfo T 16/16/10-3 & 16/16/10-4

16/16/10-3

αw	Euro	NRC
0.40 LM	D	0.63
0.35 LM	D	0.68

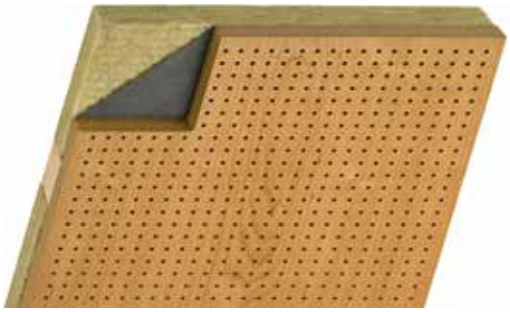
16/16/10-4

αw	Euro	NRC
0.55 LM	D	0.75
0.50 LM	D	0.78



Suspension height:
— approx. 216 mm
····· approx. 56 mm

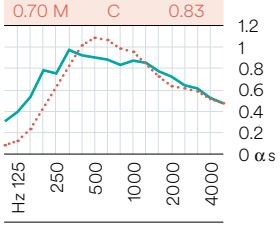
See page 12 for more information.



Topakustik Perfo T 16/16/10-5

16/16/10-5

αw	Euro	NRC
0.70 L	C	0.82
0.70 M	C	0.83



Suspension height:
— approx. 216 mm
····· approx. 56 mm

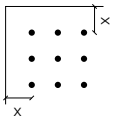
See page 12 for more information.

Topakustik Perfo Clou

The fine Clou Perforation is hardly visible from a distance. The wood structure is therefore largely preserved in its natural beauty.

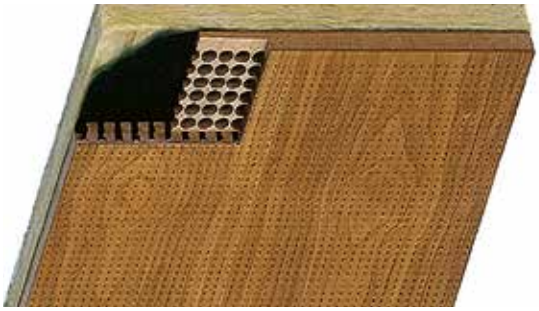
For dimensions and materials, see page 31
For surfaces, see pages 75 to 77

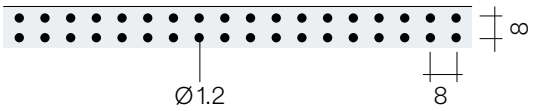
Clou Perforations reach their full potential when carried out over the entire surface. The distance from the centre of the last row of perforations to the edge of the panel should therefore be as follows:

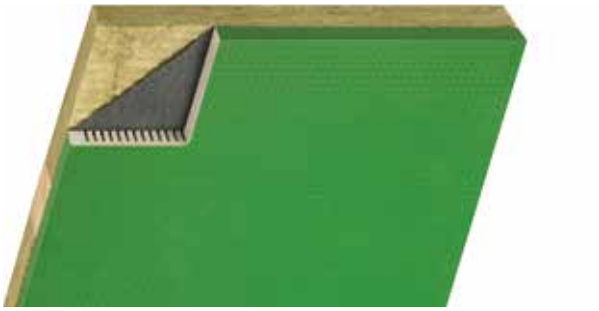


Grid 8 / 8 x = max. 6.5 mm
Grid 6.4 / 6.4 x = max. 5.0 mm
Grid 5.3 / 5.3 x = max. 4.0 mm

	Rear	8 / 8 6.4 / 6.4 5.3 / 5.3
Normally flammable MDF	perforated	Ø 1.2 mm Ø 2.0 mm
Flame-retardant MDF	grooved	Ø 2.0 mm
RESAP®	grooved	Ø 2.0 mm



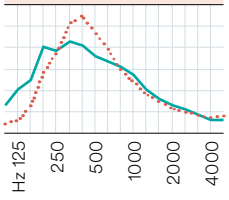




Topakustik Perfo Clou 8/8/1.2

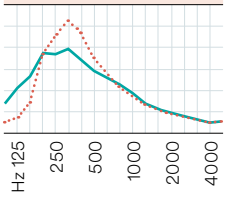
8/8/1.2 rear perforated

αw	Euro	NRC
0.30 LM	D	0.57
0.30 LM	D	0.60



8/8/1.2 rear grooved

αw	Euro	NRC
0.25 LM	E	0.47
0.25 LM	E	0.52

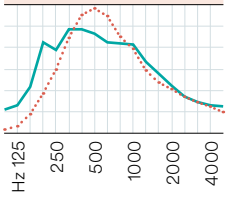


Suspension height:
approx. 216 mm
approx. 56 mm
See page 12 for more information.

Topakustik Perfo Clou 8/8/2

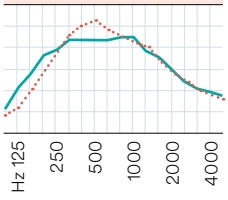
8/8/2 rear perforated

αw	Euro	NRC
0.45 LM	D	0.76
0.45 LM	D	0.75



8/8/2 rear grooved

αw	Euro	NRC
0.55 LM	D	0.79
0.55 LM	D	0.81

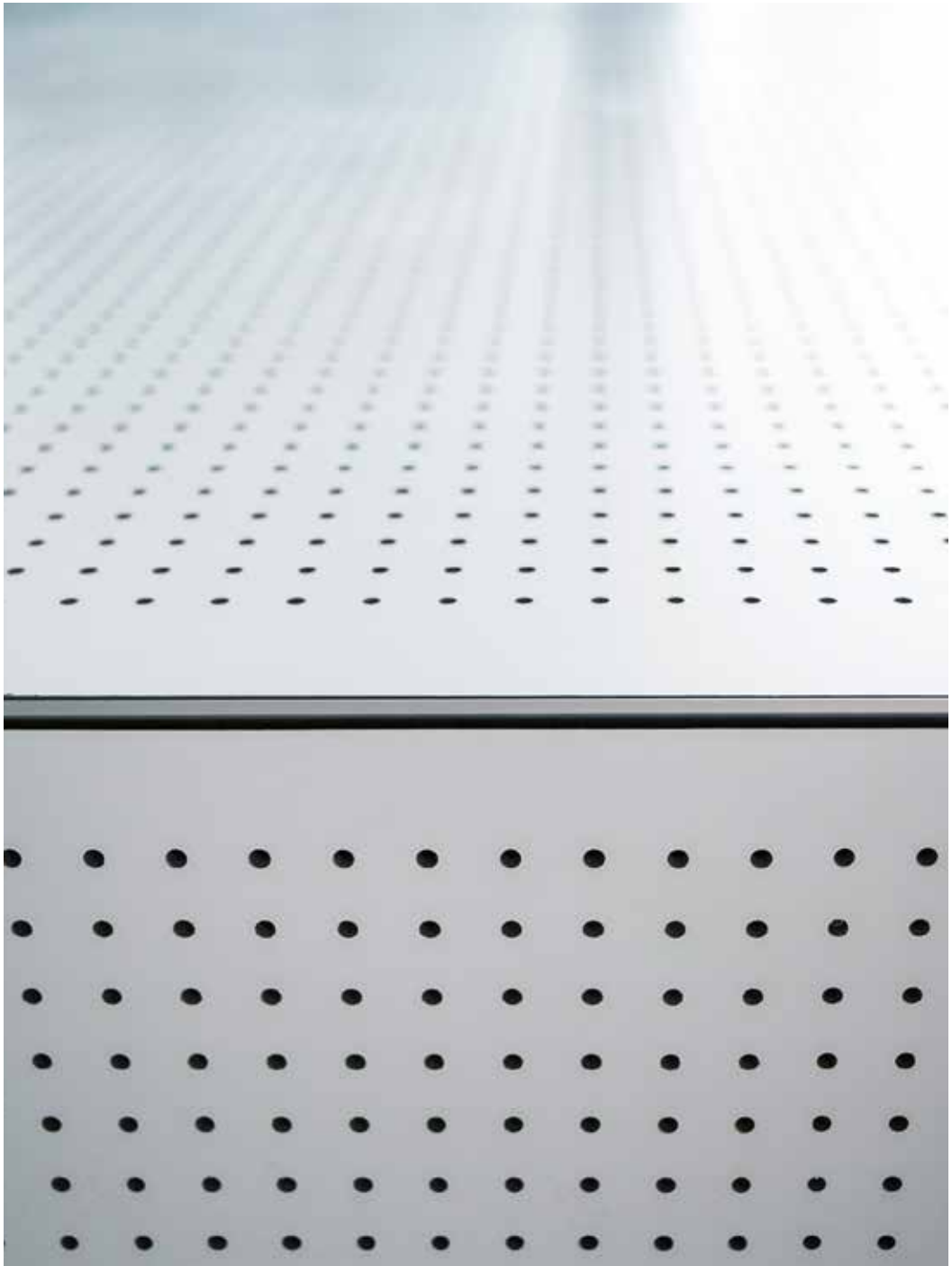


Suspension height:
approx. 216 / 246 mm
approx. 76 / 96 mm
See page 12 for more information.

Marina South Parcel, SGP · Architect: Ingenhoven Architects, SGP
Photo: Soundzipper LLP, SGP · Product: Topakustik Perfo M

Coolidge Corner School, Brookline USA · Architect: HMFH Architects, Cambridge USA
Contractor: Whitehawk Construction Services, US · Photo: Ed Wonsek Art Works Inc, Concord USA
Product: Topakustik Classic narrow grooves and Topakustik Perfo Clou

Witteveen + Bos., Deventer NL · Architect: Studio Groen+Schild, Deventer NL
Photo: Barhey, Koog Zaandijk NL · Product: Topakustik Perfo T



LVM Münster, DE · Architect: HPP Düsseldorf, DE
Photo: HGEsch/Hennef · Product: Topakustik Perfo T

Sparkle, Twin Tower, Dubai UAE · Product: Topakustik Perfo M

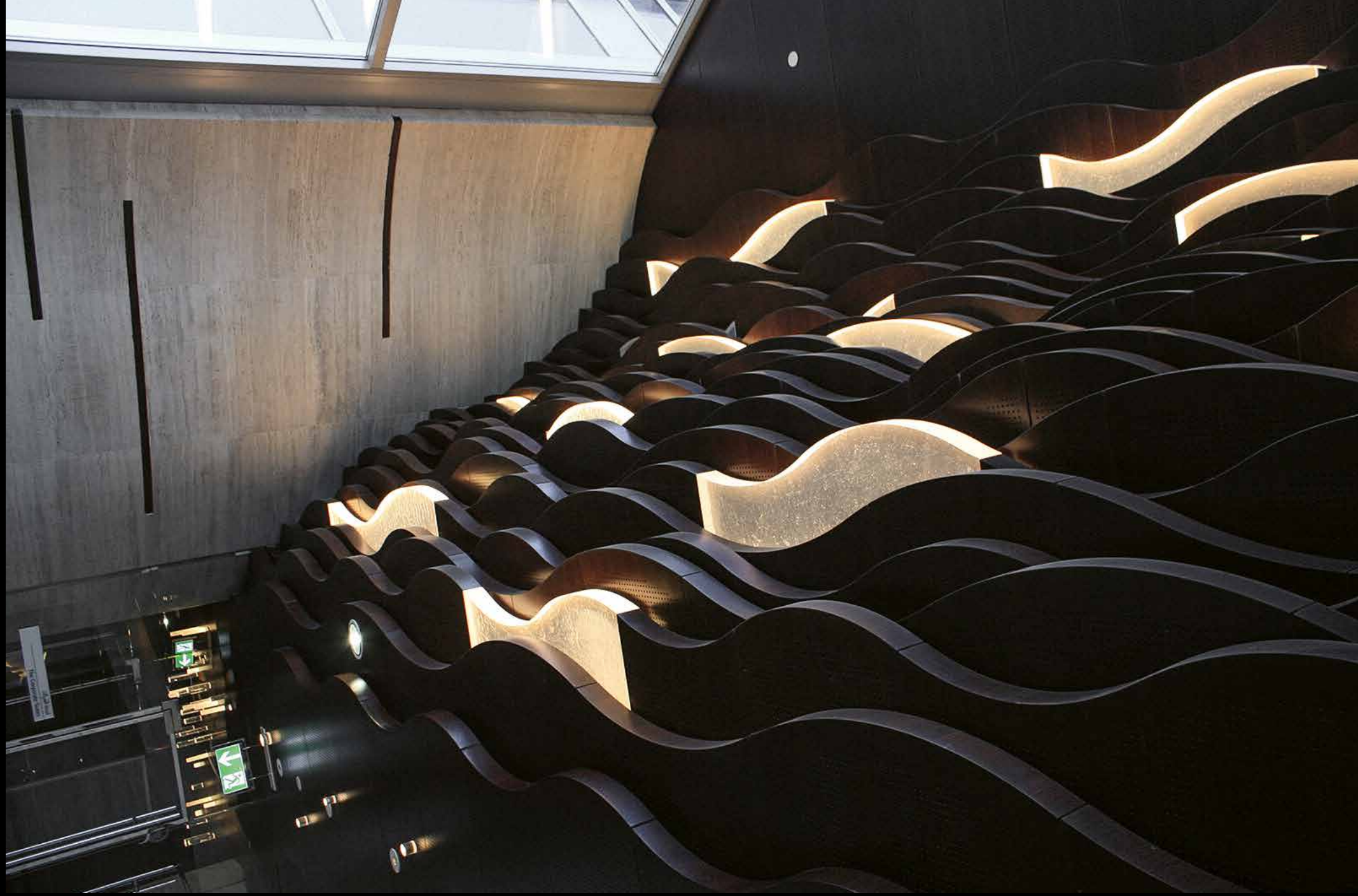
Deaf Academy, GB · Architect: Stride Treglown Architects, GB · Assembly: Robert P Barry Ltd., GB
Contractor: Midas Construction, GB · Product: Topakustik Perfo T

Manufacturing

Each piece is handcrafted and unique

The wall and ceiling systems from Topakustik impress thanks to their outstanding quality. Our trained joiners are exceptionally skilled and have many years of experience in working with wood. Every single panel and every single plank is shaped by hand and checked for even the smallest inconsistencies. This results in three-dimensional, custom-made, meticulously machined and refined individual parts that come together to form a convincing whole.

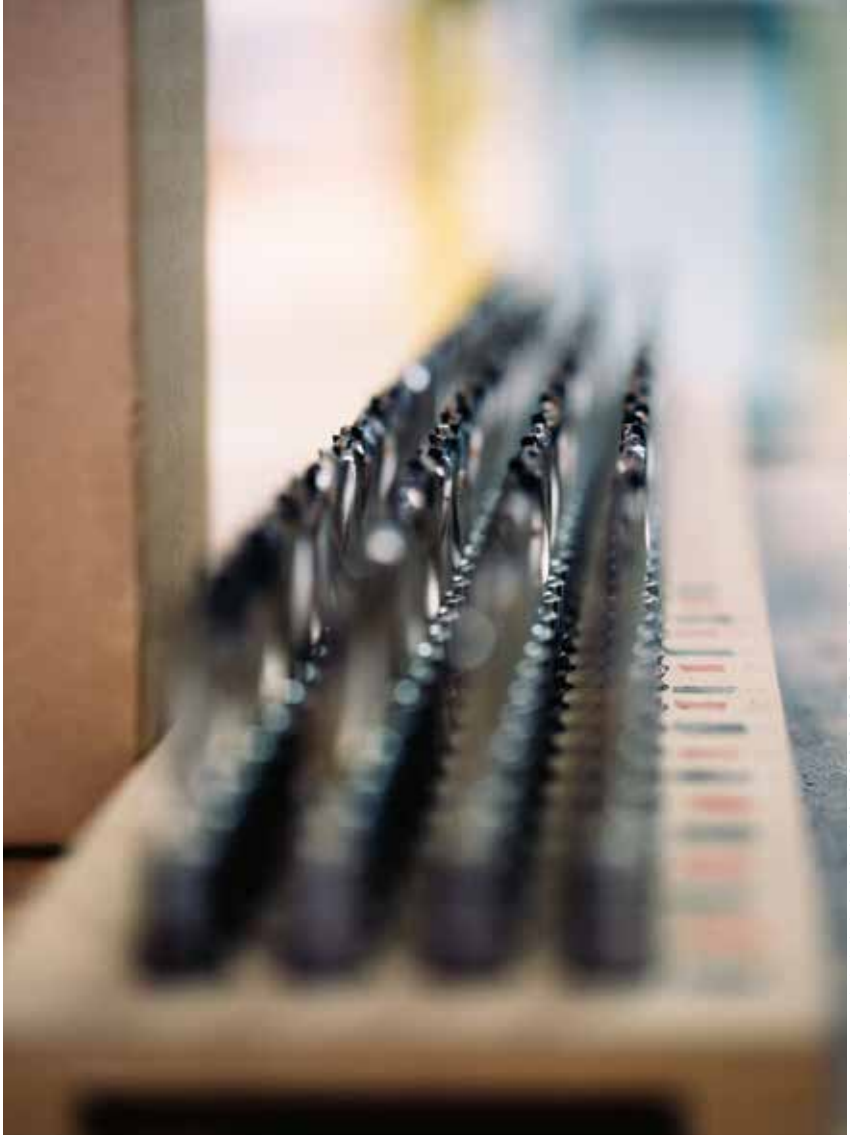
No machine can produce such special components. This complicated and detailed custom work can only be done by hand. Shaping, bending, surface treatment, edge processing and the final quality checks are therefore carried out by trained joiners. Every piece of an entire structure is one of a kind.



Burj Khalifa, Dubai, UAE · Product: Topakustik Perfo M

Whether the warmth of the wood or the fineness of the borehole, man and machine come together to create the elements that make your interiors sound more beautiful.

Cholhüttli Forest, Lungern



Wood meeting stone unleashes the unbridled power of nature. Meanwhile, tangible room quality is created where acoustics meet design.

Sädel Forest, Lungern

With a careful hand and a keen eye, the combination of acoustics and design takes shape.

Hear, see and feel – the senses bring together what belongs together.

Chälrütirank, Lungern

Craftsmanship creates the tangible, and inventiveness the perceptible.

Technology

Performance and precision for maximum output

At Topakustik, state-of-the-art technology and meticulous craftsmanship complement each other to create unique production processes. A high-performance machine park is used in serial production, cutting, surface treatment and when creating the absorption bores. This enables repetitive work steps to be carried out at maximum speed, which in turn optimises the logistics processes.

High-precision micro-laser technology opens up unimagined possibilities when designing micro-perforated surfaces. The state-of-the art spray robot stains, lubricates and paints surfaces at a surprising speed. Powerful cutting machines shape panels and individual components precisely and quickly. The machine prepares what the craftsman completes. This combination brings together top quality and maximum output.

Topakustik Micro

Exclusive micro-perforation applications make Topakustik Micro a convincing solution for an invisible yet beautifully sounding indoor climate. Using state-of-the-art laser technology, the panels are micro-perforated with the finest pores according to individual requirements. The small hole diameters are discreet in appearance and simultaneously very effective in terms of sound absorption.

!

The perforation takes place in fields. On plain and dark surfaces in particular, it is possible for the transitions between the individual fields to be visible. The grid 1.8/1.8 is therefore not recommended for these surfaces. For a grid of 2/2, we recommend taking surface samples first.

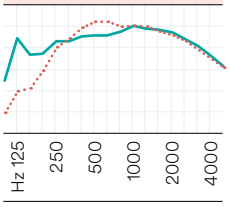
To the product page with details and reference objects

Topakustik Micro Panels

Topakustik Micro 1.8/1.8/0.5 & 2/2/0.5 & 3/3/0.5

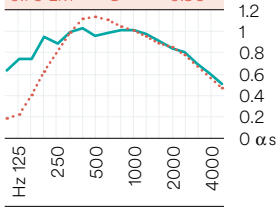
1.8/1.8/0.5

αw	Euro	NRC
0.90	A	0.93
0.90	A	0.95



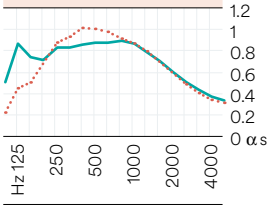
2/2/0.5

αw	Euro	NRC
0.80 L	B	0.93
0.75 LM	C	0.95



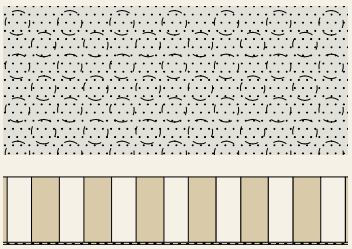
3/3/0.5

αw	Euro	NRC
0.60 LM	C	0.81
0.55 LM	D	0.84



Suspension height:
approx. 226 mm
approx. 66 mm
Mineral wool 40 mm
See page 12 for more information.

Micro-Perforation



Micro-perforation impresses with high sound absorption without it being visible! The core panel is fully perforated and the covering, veneer or coating material is micro-perforated. Topakustik Micro is suitable for almost all surfaces, but not for outdoor applications.

Surface finishes

Paint according to RAL and NCS, Page 75

Real wood veneer (lengths depending on wood type), Page 76

Melamine coating according to eco collection 3.0, Page 77

Topakustik Micro Panel Basic

NEW

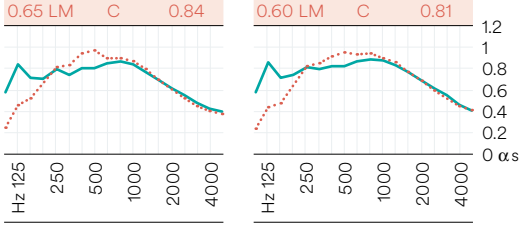
The high-end solution with laser-perforated panels is now available in two standard sizes at an attractive price. All the benefits of Micro Technology – including excellent sound absorption, a wide variety of surface finishes, and versatile application options – are combined with short delivery times and a competitive price. A uniform joint pattern is ensured by the longitudinal screw-joint connection (with clip) and the transverse tongue-and-groove joint. Installation is possible on a timber batten substructure or on a metal rail substructure using turning clips.

1.8/1.8/0.5

αw	Euro	NRC
0.65 L	C	0.80
0.65 LM	C	0.84

2/2/0.5

αw	Euro	NRC
0.60 LM	C	0.76
0.60 LM	C	0.81



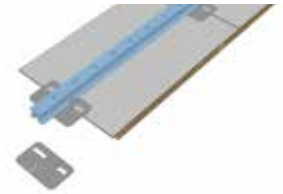
Suspension height:
approx. 226 mm
approx. 66 mm
with acoustic fleece and
Mineral wool 40 mm (60 kg/m³)
See page 12 for more information.

Advantages

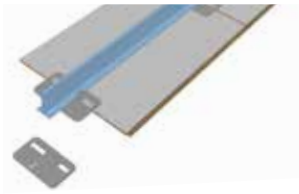
- Affordable
- Short delivery time
- Multiple installation methods available
- Easy installation
- Minimal waste
- Reusable

Note

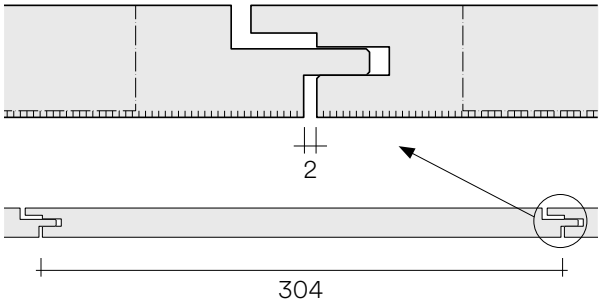
- RESAP® core panel on request



H-System with turning clip on H-bar



T-System with turning clip on T-bar



W-System with staple machine on wooden batten

Normally flammable D-s2,d0 / CH RF 3			Flame retardant B-s1,d0 / CH RF 2			Three-layer panel ARIA-Pure
Painted 16 mm	Real Wood 17 mm	Melamine 16 mm	Painted 16 mm	Real Wood 17 mm	Melamine 16 mm	Finger-jointed white fir 16 mm
ideal						
2768 × 304	2768 × 304	2768 × 304	2768 × 304	2768 × 304	2768 × 304	2480 × 304

Cover dimension with transverse 3 mm / longitudinal 2 mm gap

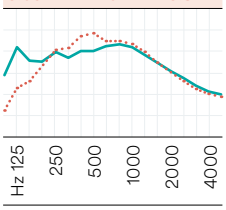
Topakustik Micro Planks

Topakustik Micro 1.8/1.8/0.5 & 2/2/0.5

Topakustik Micro planks combine a thin belt design and sound absorption in a single product. Planks can be planned and also mounted very easily. Flexible plank widths create a boards look when laid irregularly.

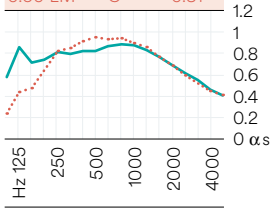
1.8/1.8/0.5

αw	Euro	NRC
0.65 L	C	0.80
0.65 LM	C	0.84



2/2/0.5

αw	Euro	NRC
0.60 LM	C	0.76
0.60 LM	C	0.81



Suspension height:
approx. 226 mm
approx. 66 mm
with acoustic fleece and
Mineral wool 40 mm (60 kg/m³)
See page 12 for more information.

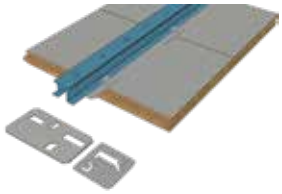
Flexible plank width

The plank has a standard width of 128 mm and is **now flexible** up to 300 mm.
We look forward to receiving your non-binding enquiry.

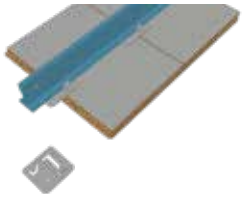
Width (x)	Quantity Clip/m²	Joint	Grate spacing
128 mm (Standard)	18	1 mm	max. 600
192 mm (Flex)	14	1 mm	max. 600
240 mm (Flex)	16	2 mm	max. 500
300 mm (Flex)	12	2 mm	max. 500


4 Times Square Durst Building, USA
Architect: Studios Architecture, USA
Photo: jeremyfrechette

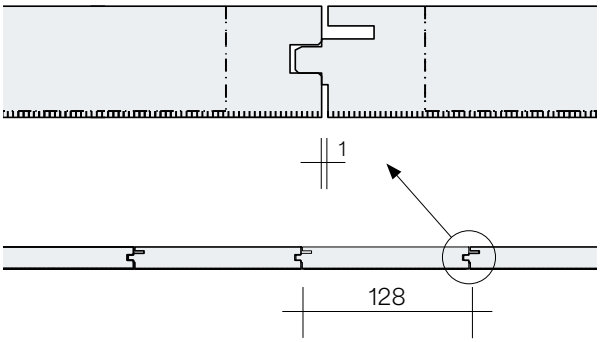
Luma Hotel, USA · Architect: CCS Architecture, USA
Photo: Eric Laignel, USA · Product: Topakustik Micro planks

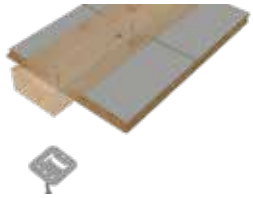


H-System with turning clip on H-bar

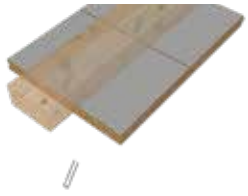


T-System with turning clip on T-bar





SC-System with screw clip on wooden batten or metal substructure



W-System with staple machine on wooden batten

Normally flammable D-s2,d0 / CH RF 3			Flame retardant B-s1,d0 / CH RF 2			RESAP® core panel, non-combustible		Three-layer panel ARIA-Pure
Painted 16 mm	Real wood veneer 17 mm	Melamine 16 mm	Painted 16 mm	Real wood veneer 17 mm	Melamine 16 mm	Painted 16 mm	Real wood veneer 17 mm	Finger-jointed white fir 16 / 19 mm
ideal = matched to MDF core sizes								
2780 × 128	2780 × 128	2780 × 128	2780 × 128	2780 × 128	2780 × 128	2540 × 128	2540 × 128	2480 × 128*
				3640 × 128		3080 × 128	3080 × 128	
4080 × 128	4080 × 128*	4080 × 128	4080 × 128	4080 × 128*	4080 × 128			4080 × 128
Custom lengths are also available								

* depending on wood type

Topakustik Micro Graphic

Using modern laser technology, graphic patterns and images are shot into the core panel. The appearance is created by omitting certain bores. Topakustik has a comprehensive catalogue of patterns and designs at its disposal. Individual designs are also possible. Whether a portrait, company logo or images with a 3D effect – the possibilities are almost unlimited.

HSS Monastery Banz, Bad Staffelstein DE · Architect: Architekturbüro F.A. Mayer, Rottach-Egern DE
Photo: Architekturbüro F.A. Mayer, Rottach-Egern DE · Product: Topakustik Micro Graphic

To the product page with details and reference objects

Topakustik Digital Print

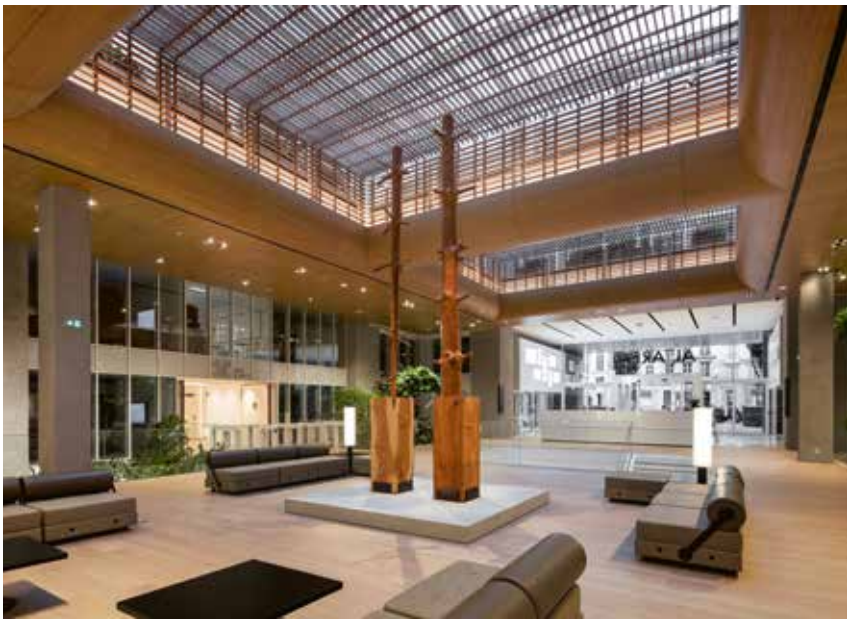
Seehotel Europa, Wrann Hotel, 9220 Velden AT · Architect: Atelier Müller Fuchs, 8063 Hart AT
Photo: Wolfgang Spitzer, Design- u. Akustiksysteme e.U., Attersee AT
Product: Topakustik Micro with digital print

Topakustik Micro is also ideal for printed walls or ceilings. As the micro-perforation is almost invisible, it does not clash with the printed subject – but the surface still absorbs sound.

Topakustik Micro Direct

Micro-perforation for almost all panels! We also turn industrially manufactured panels directly into sound absorbers! For example:

- Melamine-coated panels – see our eco collection on page 77
- Three-layer or solid panels
- MDF boards veneered by the joiner
- Coloured MDF panels, see page 81
- Plywood
- Fabric cover / wallpaper and more ...



83 Rue Richelieu, Paris FR · Architect: Jean Michel Wilmotte, FR
Photo: Patrick Tourneboeuf / Tendance Floue, FR · Product: Topakustik Micro

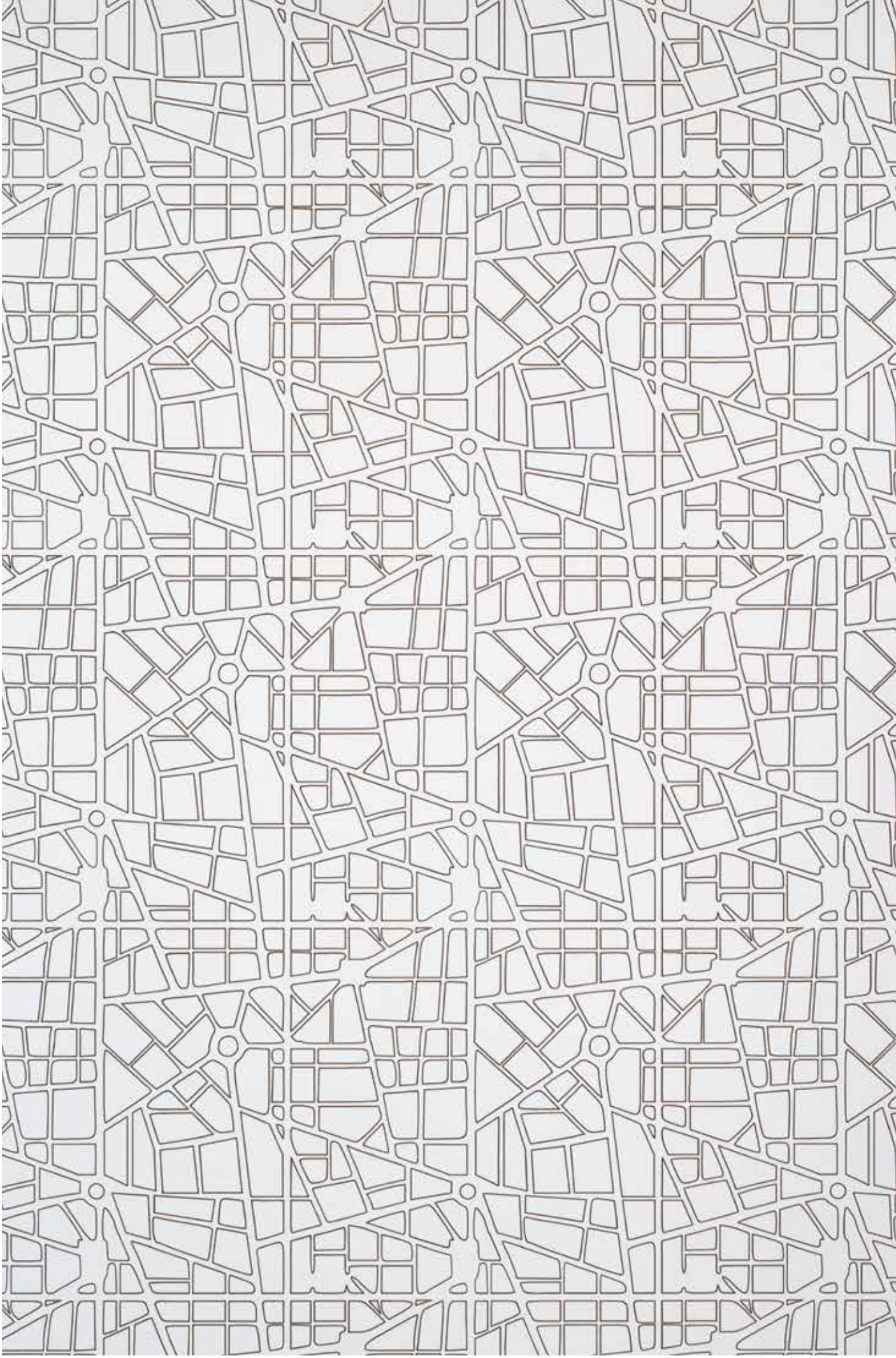
reddot design award
winner 2018

Hotel Kempinski Palace, Engelberg CH · Idea/concept/architect: Masswerk Architekten AG, Lucerne, Zurich / Graber Pulver Architekten AG, Zurich, Bern CH · Artistic direction for architecture: Hilmer Sattler Architekten Ahlers Albrecht, Munich DE Implementation of architecture: ARGE Architekturbüro Iwan Bühler GmbH, Lucerne / Sigrist Schweizer Architekten AG, Lucerne CH
Photo: Regine Giesecke, Zug CH · Product: Topakustik Micro

Restaurant Carne Mare, USA · Architect: Martin Brudnizki Design Studio, New York, USA
Photo: Nicole Franzen, New York USA · Product: Topakustik Micro planks

Derendingen Mitte, CH · Architect: Ern + Heinzl Gesellschaft von Architekten mbH, Solothurn CH
Photo: Stefan Müller Fotografie, Berlin DE · Product: Topakustik Micro

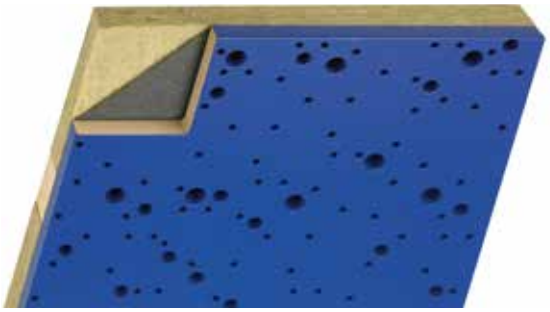
Left: Flatiron Institute Auditorium, USA · Architect: Perkins Eastman, USA · Photo: Andrew Rugge, USA · Product: Topakustik Micro
Right: 135 Bishopsgate, GB · Architect: Fletcher Priest Architects, London GB · Photo: Jack Hobhouse Photography, London GB
Product: Topakustik Micro



Topakustik Custom

Topakustik Custom is the product you can design yourself. Perforated, with different hole sizes, grooved without continuous grooving, with longitudinal cuts, printed or micro-perforated with predefined designs – anything is possible. Our specialists would be happy to help you make your dreams become reality.

To the product page with details and reference objects



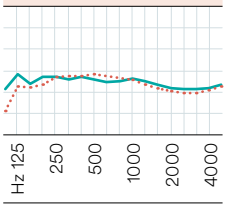
Three different bores

Longitudinal slots

Topakustik Custom Bubble

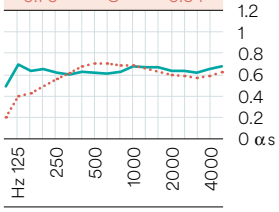
Bubble 2.0-7 %

αw	Euro	NRC
0.50 L	D	0.50
0.50	D	0.51



Bubble 3.0-12.5 %

αw	Euro	NRC
0.65	C	0.64
0.70	C	0.64



Suspension height:

approx. 216 mm

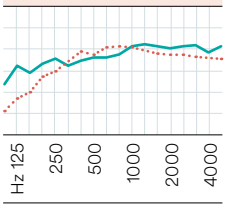
approx. 56 mm

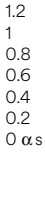
See page 12 for more information.

Topakustik Custom Split

Split 96/32/72-8

αw	Euro	NRC
0.80	B	0.77
0.80	B	0.73



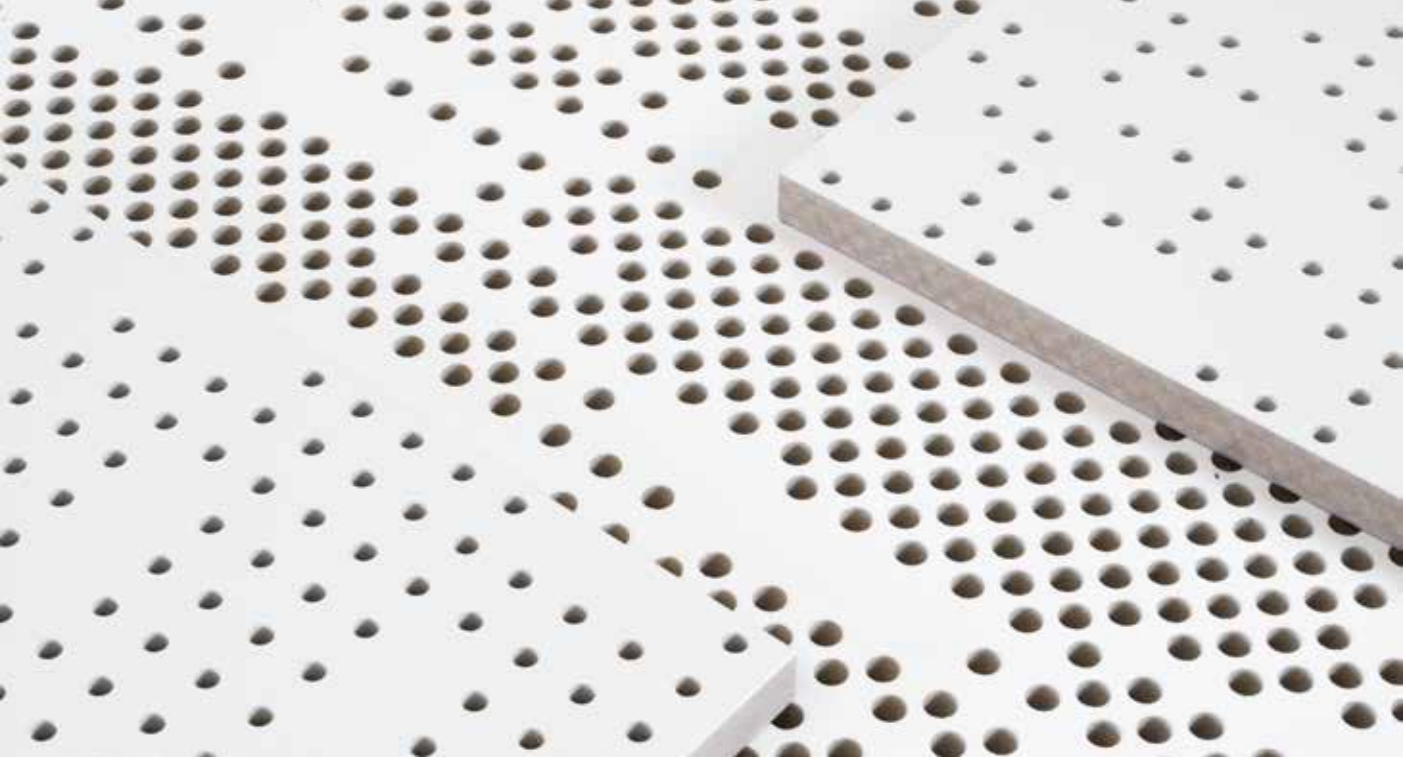


Suspension height:

approx. 200 mm

approx. 56 mm

See page 12 for more information.



Topakustik Custom Graphic Uno

Individual perforations are omitted to create a graphic pattern. Some applications are shown on this page, but the possibilities are almost unlimited. The only rule is that the bore grid of 16 mm must always be observed. Sound absorption values are available for “minus 20 %” and “minus 40 %” of the perforation.

Topakustik Custom Graphic Multi

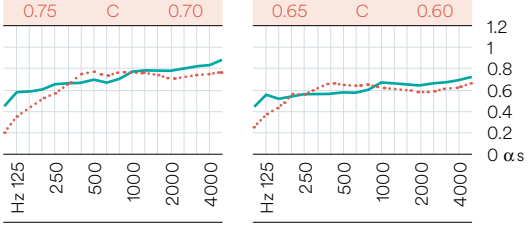
Multiple bore diameters offer considerably more possibilities, but are also more demanding in terms of production.

16/16/8-15 %
“minus 20 %”

αw	Euro	NRC
0.75	C	0.72
0.75	C	0.70

16/16/8-11 %
“minus 40 %”

αw	Euro	NRC
0.65	C	0.61
0.65	C	0.60



Suspension height:
— approx. 200 mm
····· approx. 56 mm

See page 12 for more information.

Topakustik Custom Line

Sound absorption redesigned

- A completely new concept through ornamental designs instead of perforations or grooving
- Virtually limitless individualisation thanks to almost any design on nearly any surface

Surface finishes

Paint
All except white and very light colours (after consultation)

Real wood veneer
All types of wood (light veneers must be sampled)

Melamine coating
Our Eco collection 3.0 (only with MDF), HPL coating on request

reddot winner 2021
best of the best

Award-winning product design

The Red Dot Design Award is one of the world's most important design competitions. Topakustik Custom Line was announced as the winner of the highest award, the "Best of the Best 2021". According to the jury, Topakustik gives sound-absorbing wall and ceiling finishes an entirely new aesthetic. The idea of aestheticising this area with different graphic ornaments opens up a lot of freedom for individualisation in architecture. The underlying concept is impressive in its logic as well as its high-quality implementation. It takes away the anonymity of an acoustic panel and instead gives it visually attractive qualities.

To the product page with details and reference objects

Core materials

- MDF 16 mm normally flammable D-s2,d0 and flame retardant B-s1,d0
- RESAP® 16 mm, non-combustible
- Three-layer panel ARIA-Pure (white fir) 16 mm

Topakustik Custom Line Plus

Each motif can be supplemented with micro-perforation across the entire surface. This increases the sound absorption values to those of our Topakustik Micro product.

Formats

- max. 4000 × 1280 mm

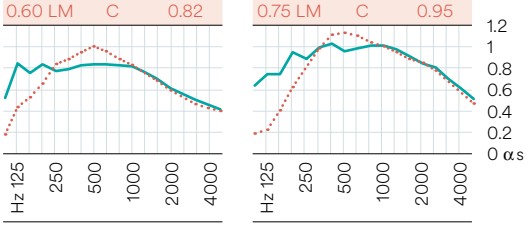
The external dimensions depend on the pattern. Note the axial dimensions of the pattern horizontally and vertically, which are assigned to each of the different designs.

Custom Line 2112

αw	Euro	NRC
0.60 LM	C	0.76
0.60 LM	C	0.82

Custom Line Plus 2/2/0.5

αw	Euro	NRC
0.80 L	B	0.93
0.75 LM	C	0.95

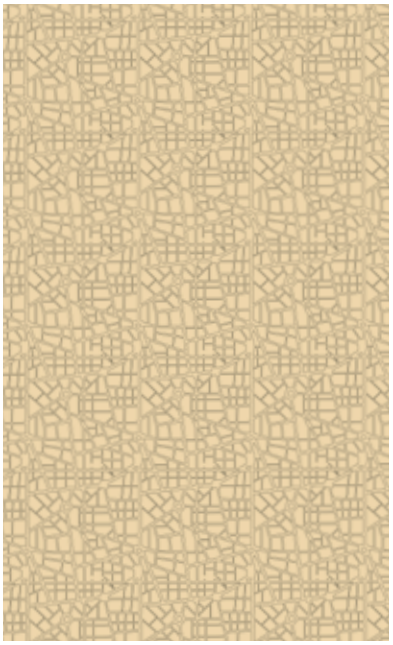


Suspension height:

— approx. 200 / 226 mm

····· approx. 56 / 66 mm

See page 12 for more information.

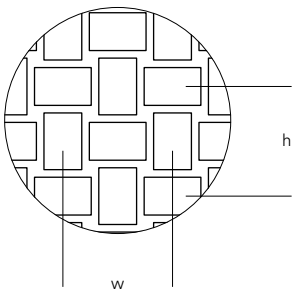


Topakustik Custom Line 2112

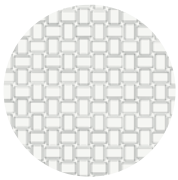
Pattern **w = 58 mm**
h = 58 mm

αw	Euro	NRC
0.60 LM	C	0.76
0.60 LM	C	0.82

1:4



Grey



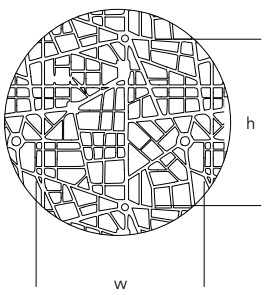
White

Topakustik Custom Line 2110

Pattern **w = 236.68 mm**
h = 236.68 mm

αw	Euro	NRC
0.70 L	C	0.81
0.70 LM	C	0.86

1:12

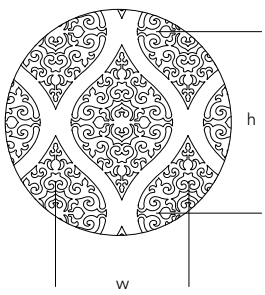


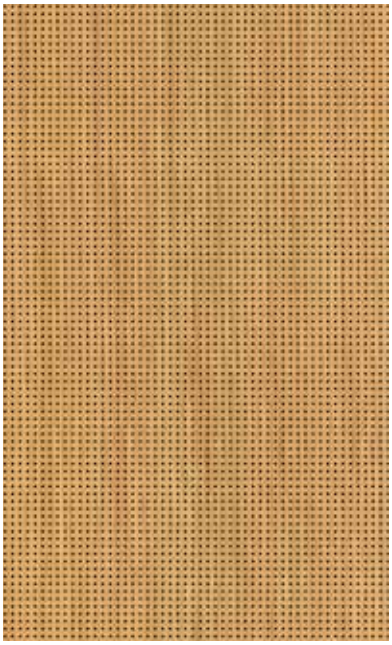
Topakustik Custom Line 2121

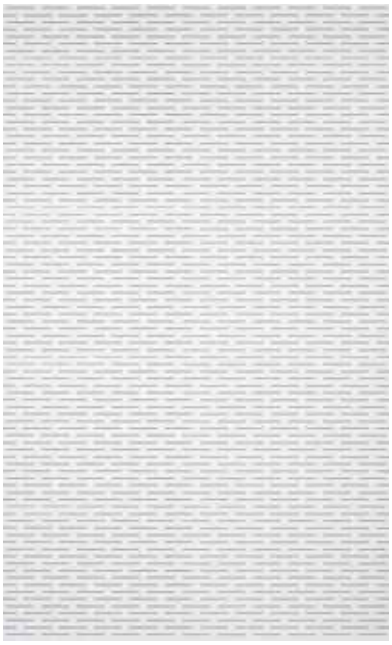
Pattern **w = 140 mm**
h = 192 mm

αw	Euro	NRC
0.70 L	C	0.79
0.65 LM	C	0.85

1:8





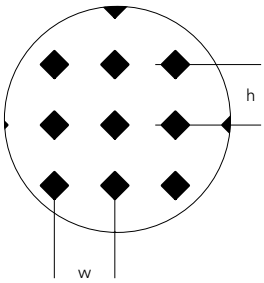


Topakustik Custom Line 2113

Pattern **w = 16 mm**
h = 16 mm

αw	Euro	NRC
0.75	C	0.72
0.75	C	0.70

1:2

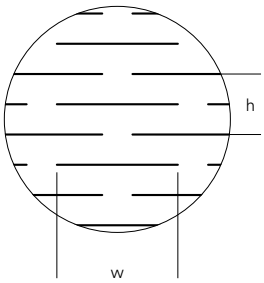


Topakustik Custom Line 2111

Pattern **w = 50 mm**
h = 20 mm

αw	Euro	NRC
0.50 LM	D	0.72
0.50 LM	D	0.77

1:2.5

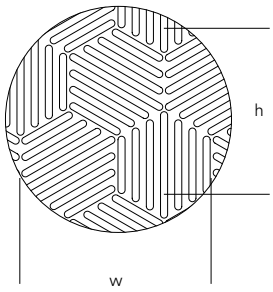


Topakustik Custom Line 2115

Pattern **w = 202.50 mm**
h = 116.913 mm

αw	Euro	NRC
0.75 L	C	0.85
0.75 M	C	0.90

1:6



Create your own design
If you can't find what's right for you, you can easily create your own design. Send us your DXF file – we'll be happy to check it out. Soon you'll have your very own sound-absorbing wall or ceiling finish.

More designs can be found in our flyer or on the website.

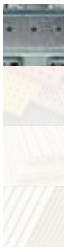
Supervision

Trained and supervised by experts

Topakustik develops, manufactures and delivers comprehensive solutions for acoustic wall and ceiling constructions. On-site installation is not included in the Topakustik package. In order to provide staff with the best possible support, our specialists take on the on-site instruction and training of the tradespeople.

Customised, complex solution packages in particular require specific expertise during assembly. To ease the burden on the building owner, our engineers provide basic theoretical training and practical training for the assembly staff on the construction site. We have the necessary experience in the application of our products and solutions. With our structured quality management system, we guarantee professional instruction throughout the assembly process and ensure safe processes.

Topakustik Grid



Sub-constructions for panels and planks

Topakustik develops acoustic constructions as coherent system solutions. This also includes concealed sub-constructions. These enable the simple assembly of panels and planks and uncomplicated disassembly of individual panels. Topakustik also offers tailor-made solutions for sub-constructions. This creates maximum flexibility in terms of room height, maintenance of concealed installations, architectural requirements and desired installation types.

- Tailor-made systems that match the panels and planks
- Easy installation
- Dismantling of individual elements for maintenance work
- Fire protection, seismic rating
- Limitless design possibilities (2D, 3D)
- Ceiling planning
- Consultation

Go to product page

Mounting

Topakustik Grid sub-constructions enable the simple and flexible installation of even large-scale ceiling finishes. Planning is carried out in close coordination with the panels and planks used. Each system is a tailor-made solution.

Dismantling

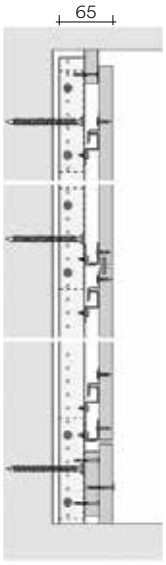
Each structure is put together in such a way that even individual panels can be easily removed. This makes it easier to access and maintain concealed installations.

Safety

The Topakustik Grid product line meets the highest safety standards. Topakustik Grid EpM1, G and CHS, for example, were developed in Lungern and successfully used in many properties around the world. Additionally, Topakustik Grid S11 also takes into account all requirements for seismic rating.

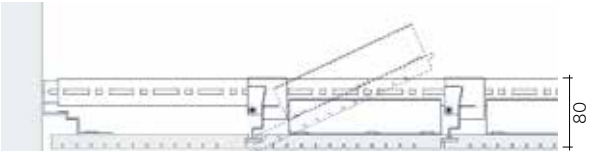
Topakustik Grid EpM1

- Wall substructure in a grid system suitable for all Topakustik panel products
- Ideal for parallel connections (cross joints)
- Fixed installation (only the baseboard remains detachable)
- Panel edges featuring a tongue-and-groove connection
- Joint width of 3 – 6 mm
- A minimum installation depth of 65 mm is required



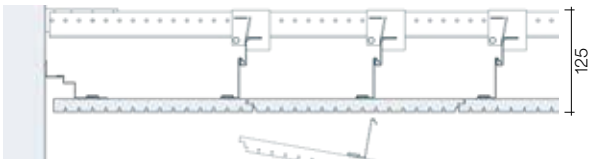
Topakustik Grid G

- Ceiling substructure in a grid system suitable for all Topakustik panel products (the system is also possible without a grid)
- Can be installed in both a parallel and an English pattern configuration
- Each panel can be opened by lifting it
- Thanks to the edge profiling, the panel can be mounted directly to the G-support profile without additional panel profiles
- Joint width of 3 – 6 mm
- Minimum installation height of 80 mm is required
- Maximum panel width of 768 mm, ideally 640 mm; RESAP® maximum panel width is 600 mm



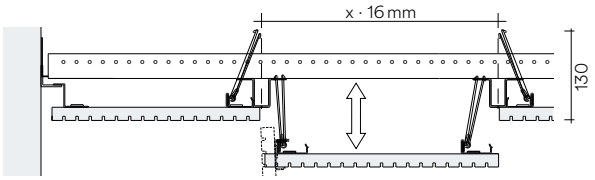
Topakustik Grid CHS

- Ceiling substructure in a grid system suitable for all Topakustik panel products
- Can be installed in both a parallel and an English pattern configuration
- Every second element is set in place and can be easily removed by lifting it. Afterwards, the adjacent panels can also be dismantled
- Ideal for Topakustik Classic
- Joint width of 3 – 6 mm
- Minimum installation height of 125 mm is required
- Maximum panel width of 1248 mm, ideally 640 mm; RESAP® maximum panel width is 1240 mm



Topakustik Grid S11

- Earthquake-resistant according to ASC 7 – 10 and IBC 2012
- Ceiling substructure in a grid system suitable for all Topakustik panel products
- Can be installed in both a parallel and an English pattern configuration
- Each panel can be opened by pulling it down (no upward movement required)
- Joint width of 4 – 6 mm
- Minimum installation height of 130 mm is required
- Maximum panel width of 768 mm, ideally 640 mm; RESAP® maximum panel width is 600 mm




20

Topakustik Technology

Topakustik products are available with different surface finishes. Whether veneered, painted or coloured, the design possibilities are almost limitless. The colour, surface properties, materials and finish mean the wall and ceiling finishes from Topakustik ensure unique interior design.

White or coloured painted surfaces

Water-based paints are used as standard, which meet the highest demands in terms of environmental friendliness and mechanical values. The colour specification according to RAL or NCS serves as the basis. Painting is carried out using state-of-the-art spray robots, which guarantees uniform application.

Painting
Painting is carried out with high-quality water-based paints or according to customer requirements, e.g. waxed, oiled or with other coating systems. Light wood types such as maple or birch have a slightly lightened paint finish as standard.

NM = natural, matt finish
AM = lightened, matt finish

Painted surfaces have the advantage that the grooves are also of the same colour.

Eco coatings make the grooves stand out more clearly.

Collection 20 – 9 (subject to a nominal fee)
20 coloured natural wood veneers and
9 natural wood veneers

... and many other types of wood

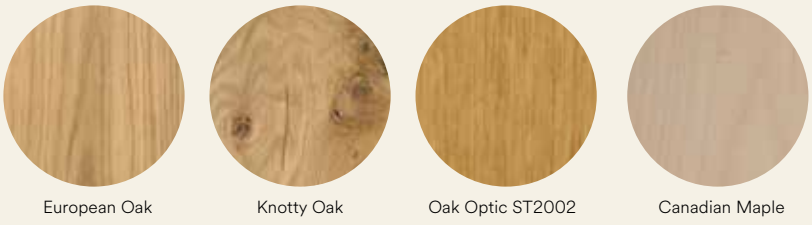
Surfaces with real wood veneer

Topakustik elements are veneered in all common wood types. The veneers are processed individually by order to obtain the most uniform appearance possible in colour and grain. The veneer appearance is also influenced by the cut and assembly. Wood is a natural product, meaning it is not possible to define generally applicable rules and standards for the veneer. The veneer must be matched in connection with each individual order.

!

Different lengths of planks or panels: The veneer is selected according to the length of the planks or panels. Different veneers can then be used for various lengths. If the whole order needs to be produced with the same veneer (higher veneer offcuts), this must be stated as a condition.

Rift veneers (strip veneer or true quarters) on panels: Joining rift veneers is not recommended for certain types of wood such as maple or cherry, as this results in a striped veneer pattern. We recommend sliding and mixing the veneer, as seen in our “Random matched” range.



European Oak | Knotty Oak | Oak Optic ST2002 | Canadian Maple

Birch | Ash | American Walnut | American Cherry

Quarter cut + half crown cut | Random matched | Quarter cut slip matched | Quarter cut book matched | Crown cut slip matched | Crown cut book matched

Advantage: uniform impression for whole project

Disadvantage: not uniform impression for whole project

Surfaces with melamine coating (eco)

- 12 different decors
- All panels glued without formaldehyde
- Short delivery times as all decors are in stock at Topakustik
- Both fire categories D-s2,d0 and B-s1,d0
- FSC Mix possible on request (depending on quantity)

eco plus collection
Further melamine finishes for quantities above 150 m² upon request.

HPL coating: All standard HPL coatings are possible. Formats must be coordinated.

extra: 4100 × 2070 mm

Cherry
M760 SMA

Walnut
M4462 SMA

Acacia
M4451 NTL

Grey Oak
M6344 NTL

Pine grey
M6053 NTL

Pine white
M6220 NTL

basic: 4100 × 2070 mm / 5600 × 2070 mm

Oak
M3280 NTL

Maple
M2106 SMA

Ash
M3965 NTL

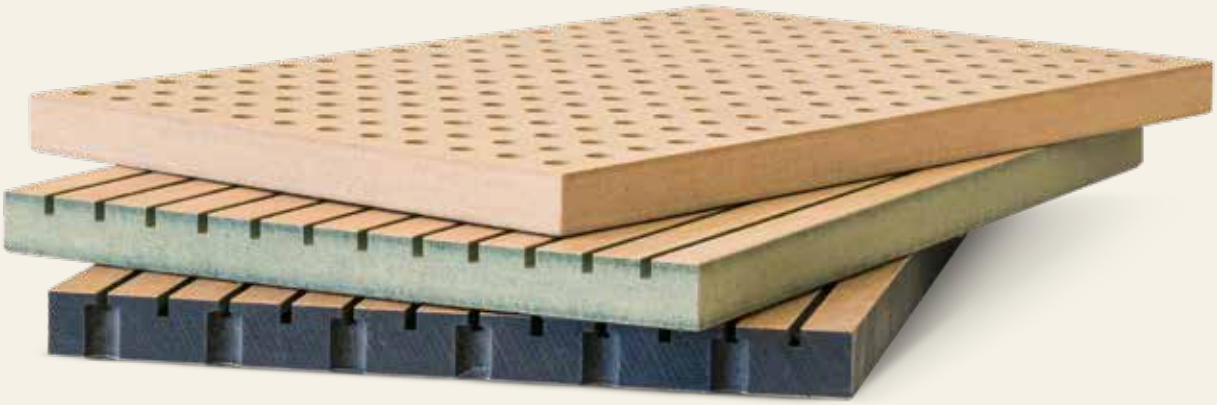
White
B3002 SMA

stone: 5600 × 2070 mm

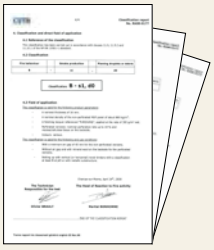
Concrete
F2204 STU

Oxyde
F2195 STU
(expiring)

Using the simulator on our website, you can put together your desired product on screen. Choose your veneer and perforation and see the results immediately.



Medium density fibreboard (MDF)



Fire stability according to Euroclass EN 13501-1
Topakustik products have been tested extensively in accordance with Euroclass EN 13501-1 and are classified as follows in the flame-retardant version: B-s1,d0

All Topakustik products are manufactured from medium density fibreboard (MDF) as standard. Thanks to its homogeneous structure, MDF is ideal for this application. MDF panels are made from soft and hardwood fibres with added binding agents.

Classification table

CH	DIN	EN	US
RF 1	A1	A1-s1,d0	A
RF 1	A2	A2-s1,d0	A
RF 2	B1	B-s1,d0	A
RF 3	B2	D-s2,d0	C

Table serves as a guide only
DIN is no longer valid

US classifications according to ASTM E84 standard

This code contains the following values:

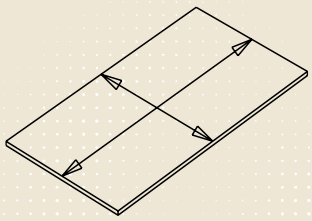
B Little or no contribution to the spread of fire
s1 Little or insignificant smoke emission
d0 No flammable particles or drops in case of fire

The system is divided into the following categories:

A1 No contribution to the spread of fire
A2 No significant contribution to the spread of fire
B Little or no contribution to the spread of fire
C Limited contribution to the spread of fire
D Contribution to the spread of fire
E Strong contribution to the spread of fire

To the core materials

Expansion and contraction of the core panels
Wooden materials are hygroscopic and have a balancing effect on the indoor climate in the event of changing room humidity. However, this also causes the wood materials to shrink and swell.



In air-conditioned rooms, a material expansion of 1 mm per metre is to be expected, and in rooms without air conditioning an expansion of 2 mm per metre is possible! Topakustik Classic, Topakustik Perfo, Topakustik Micro and Topakustik Custom should therefore be separated with joints of 3 to 6 mm depending on their size.

Acclimatisation: Installation must be carried out in a room climate that is as close as expected to that of the rooms used. The elements must be acclimatised for 3 to 4 days before installation. Ensure that all elements are exposed evenly to the room air. For more detailed information, please refer to the "Topakustik Guidelines" in the installation manual.

Formaldehyde content
We only use class E05 panels or those that are glued without the addition of formaldehyde. An overview of the panels used is provided here.

Finish	Glued without formaldehyde	Class E05
Real wood veneer	On request	Standard
White or coloured paint	Standard	For special formats
eco (melamine finish)	Standard	For special formats

Topakustik products with formaldehyde-free glued MDF panels were tested for volatile pollutants in accordance with ISO 1600 and awarded the best possible classification (A+).

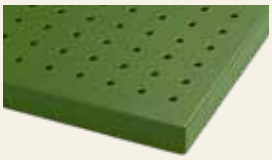
Monte Generoso, CH · Architect: Mario Botta, Mendrisio CH
Photo: ©photoEnricoCano · Product: Topakustik Classic, medium-sized grooves

Special core panels

RESA1P®

RESAP® is a fireproof expansion and acoustic panel. The product was developed in response to the greatly increased requirements for fire protection in indoor spaces. RESAP® is made from natural gypsum and recycled cellulose fibres and is non-combustible. Particularly striking are its good workmanship and versatility, especially when used as a ceiling and wall finish with acoustic function.

RESAP® has the fire protection category A2 (CH: 6.3) and is therefore non-combustible in accordance with EN 13501-1. The product therefore meets all the requirements for modern and safe interior finishes.



Coloured or white painted finishes:
Homogeneous structure = surface and edges can be painted without edge coating. The RESAP®-Plus version is recommended for a largely non-porous paint finish.

Veneered finishes:
The light brown / beige colouring of the panel is visible in the grooves or perforations and, together with the veneer, gives a high-quality appearance.

To the fireproof expansion and acoustic panels

Core panels, natural coating:
All core panels are industrially manufactured. Colour differences, even within one production batch, cannot be avoided. Applying a top coat can accentuate these differences.

Coloured core panels

Black or coloured core panels offer many interesting possibilities on elements from all Topakustik product lines. An excessively strong light-dark contrast (e.g. maple on black MDF) is not recommended for wall finishes – risk of flickering / moiré patterns.

Material name	Fire category DIN (CH)	Suitability for wet rooms				Basic formats: please note the maximum formats	Expansion in air-conditioned rooms, 19 to 23°C, 40 % to 50 % relative humidity
RESAP®	A1 (RF 1) EN A1 – s1,d0	–	+	+	–	3100 × 1260 2560 × 1260	0.4 mm / 1 m = 0.4 %
Three-Layer ARIA	B2 (RF 3)	~	–	~	–	Page 90 / 91	
Cement chip	A2 (RF 1)	+	–	✆	–	2600 / 3100 × 1250	0.8 mm / 1 m = 0.8 %
Chip	B2 (RF 3)	–	✆	✆	✆	DIV	0.8 mm / 1 m = 0.8 %
Coarse OSB	B2 (RF 3)	~	–	✆	–	DIV	0.8 mm / 1 m = 0.8 %
Forex	B1 (RF 2)	+	–	✆	–	3050 × 1220	
Plywood	B2 (RF 3)	~	+	✆	–	DIV	0.8 mm / 1 m = 0.8 %

Key:

+	well suited
~	suitable to a limited extent, note the colour differences on blank panels
–	unsuited
✆	upon request
DIV	various other formats, please enquire

Notes:

Paint, page 75

Real wood veneer, page 76

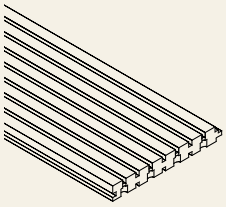
Melamine coating, page 77

Topakustik products can also be manufactured from other commonly used core panels. These can be divided up according to the following requirements:

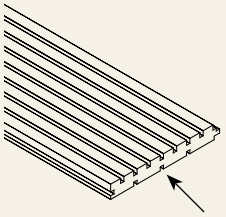
- Behaviour in fire
- Appearance, e.g. special surface or panel design
- Special properties with regard to stability or moisture

Edges

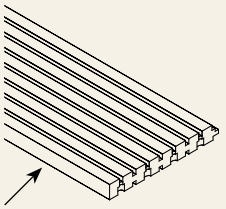
Topakustik planks, edge details



Depending on the length, the planks are manufactured in multiple lengths, i.e. the perforation is visible on the leading edge. Transverse edges with industrial cut. Longitudinal edges with tongue-and-groove connection on request with groove for fastening with turning clips.



Perforation on the transverse edges are set back on request. The relief grooves on the rear are system-specific and always visible.



If requested, the first and last plank may have a visible edge without tongue or groove.

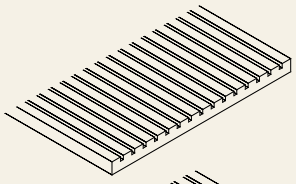
Production tolerances

Planks: Topakustik planks are supplied with an industrial cut as standard. The longitudinal tolerance is +/– 2 mm. On request, the planks can be re-cut to fixed dimensions in the factory (tolerance +/– 0.25 mm per m[1] – this is only recommended for plank lengths of up to approx. 1.5 m [see information on expansion on page 79]).

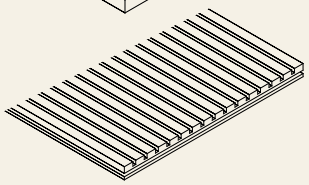
Panels: Topakustik panels are manufactured to exact dimensions in the factory on computer-controlled systems (tolerance +/– 0.5 mm per m[1]).

Topakustik elements are delivered with the (small) dimensional tolerances listed above. Due to the grooving and perforation of the Topakustik elements, the surface area is increased by a factor of two to three, depending on the type. Topakustik products can therefore react very quickly to fluctuating room humidity at the installation site through dimensional changes (see information on expansion on page 79).

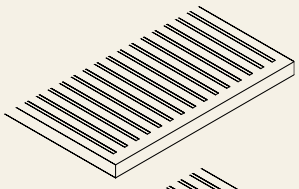
Topakustik panels, edge details



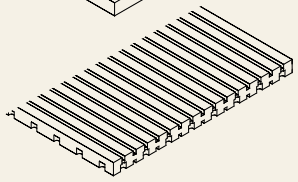
Visible edge, perforation set back (edge painted in coloured paint version!)



Tongue-and-groove connection, joint 4 mm



Groove interrupted at edge



Blind edges with cut perforation

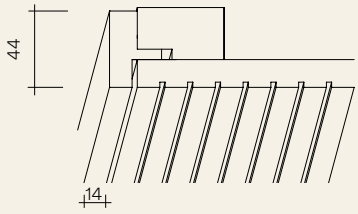
Cutouts

On site or factory cut

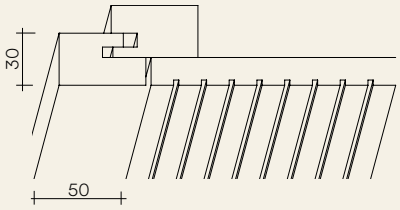
Factory cut with interrupted grooves

Lamp insert for planks 128 / 256 / 384 mm

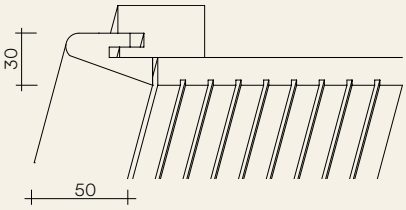
Ceiling finishes for planks and panels



Edge moulding Type 1

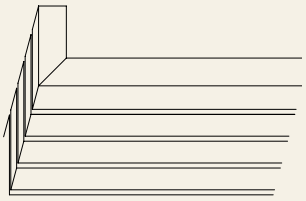


Edge moulding Type 2

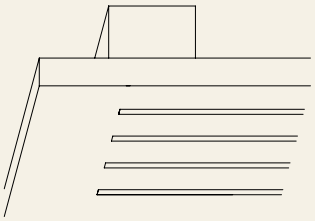


Edge moulding Type 3

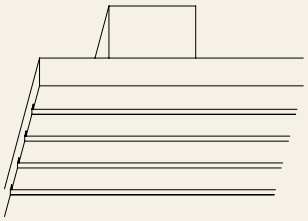
Ceiling finishes for panels



Mitre Type 10

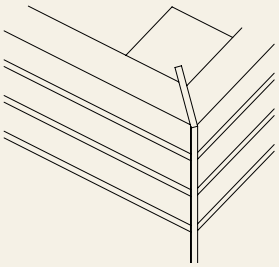


Visible edge with interrupted grooves, Type 11

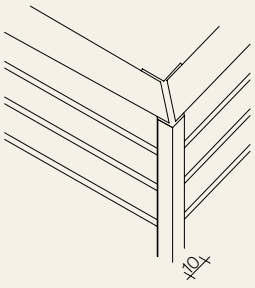


Visible edge with continuous grooves, Type 12

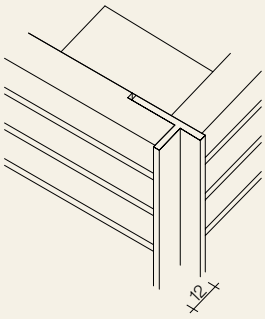
Wall corners and terminations



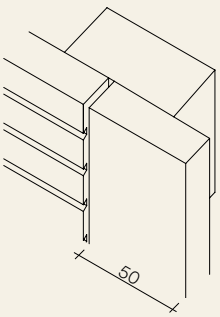
Type 21 (aluminium, natural anodised 35 × 3 mm)



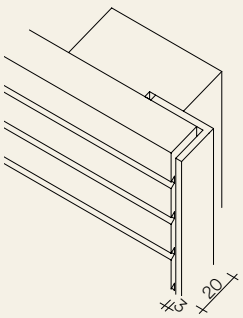
Type 22 (aluminium, natural anodised 10 mm)



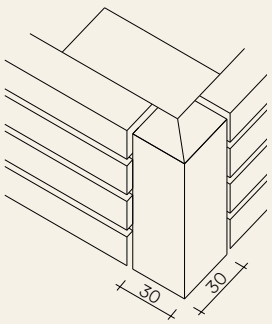
Type 23 (aluminium, natural anodised 12 mm)



Type 25

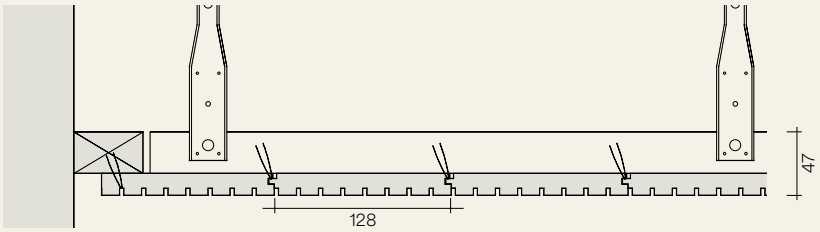


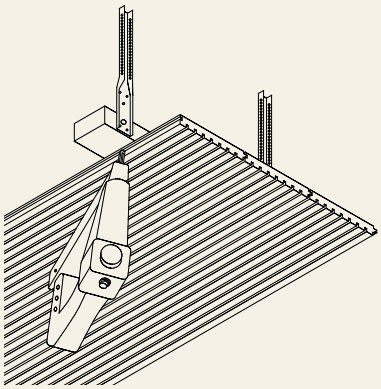
Type 26 (aluminium, natural anodised 30 × 20 × 3 mm)



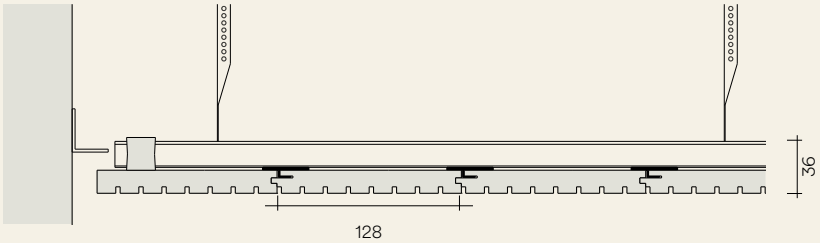
Type 27

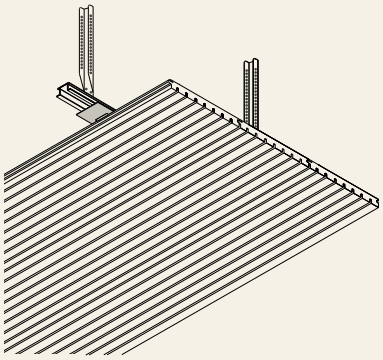
Installation Topakustik planks Classic





Installation on wooden battens: The Topakustik planks are fixed like conventional tongue-and-groove planks. It is important that the compressed air in the pistol is precisely adjusted so that the clips in the groove do not protrude or penetrate too deeply.



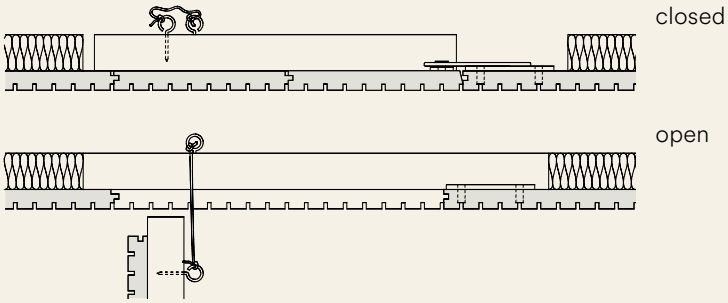


Installation on metal sub-constructions for non-combustible ceilings: The Topakustik planks are attached to the suspended H-bar using turning clips. This type of installation is ideal for non-combustible ceiling finishes.

Narrow grooves (5/1, 6/2, 8/3, 9/2) are not suitable for installation with turning clips.

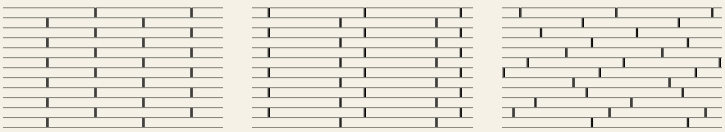
Planks are manufactured with a precise tongue-and-groove connection, which enables a flat ceiling design. However, individual planks or joints may be visible, in particular if dark colours or shiny paints are used. Planks are installed without expansion joints, which is only possible due to the narrow plank width of only 128 mm. However, installation regulations relating to room climate must be complied with – see page 79.

Access panel



Layout

Layout types: The installation with offset joints allows for slight material expansion without it becoming visible. In combination with joint widths of about 3 – 4 mm, this results in a clear and tidy joint appearance.

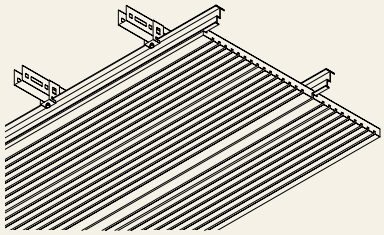


English Serrated Random

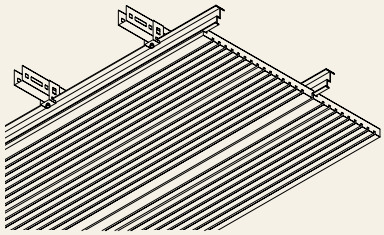
More information can be found in our installation manual.

Installation Topakustik panels

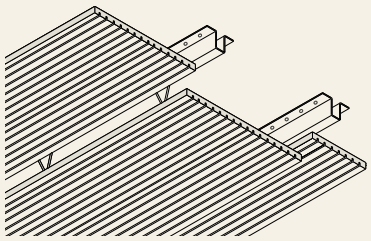
EpM1-System: Fixed installation
(only the baseboard remains detachable).
Recommended planning width = 600 mm
Panel joints = groove + 2 mm (e.g. 14/2 = 2 + 2 = 4 mm joint)



G-System: Each element can be easily removed by lifting.
Recommended planning width = 640 mm
Panel joints = groove + 2 mm (e.g. 14/2 = 2 + 2 = 4 mm joint)



CHS-System: Every second element is set in place and can be easily removed by lifting it. Afterwards, the adjacent panels can also be dismantled.
Recommended planning width = 640 mm
Panel joints = groove + 2 mm (z. B. 14/2 = 2 + 2 = 4 mm joint)



S11: Each element is removable.
Element width must be divisible by 16 mm.
Recommended planning width = 640 mm (can be divided by 16)
Max. panel length = 2510 mm
Panel joints = groove + 2 mm (e.g. 14/2 = 2 + 2 = 4 mm joint)

!

Joint-free ceilings are not possible due to expansion. In addition, the joints serve as a disassembly function and, as a general rule, should be 2 mm wider than the selected groove. For example, for a 2 mm groove (14/2 or 19/2 ...) this means 2 + 2 results in a joint of 4 mm. The installation regulations relating to room climate must be observed at all times – see page 79.

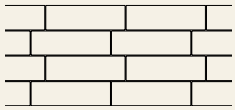
!

Narrow grooves (5/1, 6/2, 8/3, 9/2) are not suitable for the Topakustik Grid S11.

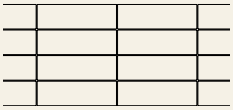
Layout

Layout types: The installation with offset joints allows for slight material expansion without it becoming visible. In combination with joint widths of about 3 to 6 mm, this results in a clear and tidy joint appearance.

English



Serrated



Parallel

Gymnasia

Wall and ceiling finishes are subjected to high impacts in gymnasia. In combination with sub-construction systems specially developed for sports venues, Topakustik products optimally meet the high demands in terms of mechanical stress and room acoustics.

Various Topakustik products have been tested and certified in accordance with DIN 18 032, Part 3.

L 4266-III / IV	13/3M, 12 %	Planks in MDF 19 mm
L 4266-IV / IV	28/4M, 7.5 %	Planks in MDF 19 mm
L 4266-I / IV	16/16/8	Panels in MDF 19 mm
L 4266-II / IV	16/16/10-5	Panels in MDF 19 mm
L 4266-I / II	16/16/8	Impact wall (composite)
L 4266-II / II	28/4M	Impact wall (composite)

Ball impact resistance
Various Topakustik products have been tested and certified for limited ball impact resistence and SUVA/BASPO in accordance with DIN 18032-3:2018-11. In this standard, the strength, function and safety of the components must not be impaired after being subjected to stress and must not have changed their appearance excessively.

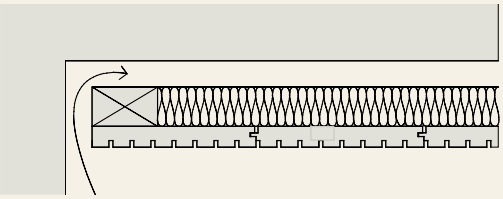
The tested wall elements survived impacts from a handball without damage.

Swimming pools

For acoustic finishes in wet rooms, requirements corresponding to the application must be met, such as:

- Perfectly constructed ceilings and walls according to code
- Rear ventilation of wall and ceiling finishes
- Use of corrosion-resistant sub-construction materials
- Use of special, moisture-resistant core panels during production
- Use of special paints or impregnations
- Consideration of the (extraordinary) shrinkage and swelling behaviour of the core panels
- Water-repellent absorbers such as polyester fleece

The use of acoustic surfaces in wet rooms is very complex. Please contact us with your project and we will be happy to assist you in developing it.



Beacon of Light, GB · Architect: Faulkner Browns Architects, UK
Photo: Richard Chivers Photography and Films, GB · Product: Topakustik Perfo M

Bäderquartier Baden CH · Architect: Mario Botta, Mendrisio CH
Photo: Rene Dürr, Zurich CH · Product: Topakustik Special

Topakustik cabinet fronts

Cabinet fronts or rear walls are ideal for use as sound absorbers. The following products have proven their worth in particular here: Topakustik Classic 9/2 and 14/2, Topakustik Perfo Clou and Topakustik Micro.

RK doors, inside view

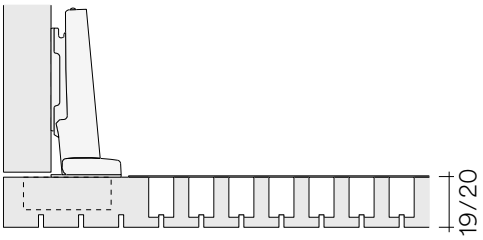
Typ RK

Topakustik Classic	αw	Euro	NRC
RK 9/2 M	0.55	D	0.56
RK 14/2 M	0.60 H	C	0.68

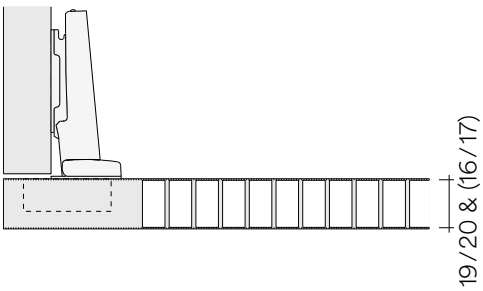
Topakustik	αw	Euro	NRC
RK Clou 8/8/1.2	0.35 LM	D	0.54
RK Micro 2/2/0.5	0.70	C	0.82

In conjunction with the fleece applied on the inside (RK 280), the acoustic surface ensures very good absorption. The fleece we have developed is tear-resistant and is set back on bores for hinges and locks.

9/2 M + 14/2 M



Micro



Further solutions

- Micro on both sides
- Duplex with absorber = symmetrical design

We are happy to advise you!

To the reference objects

For revolving doors, always use a three-point lock.

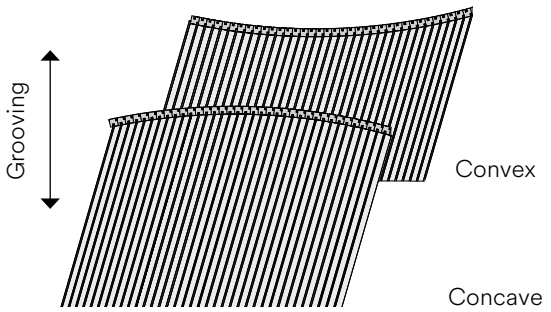
Photo: Bujnovszky Tamás Photography, Budapest HUN · Product: Topakustik Classic with medium-sized and wide grooves, and Topakustik Perfo T

SAP office, Graphisoft Park, HUN · Architect: MadiLancos Studio KFT, HUN

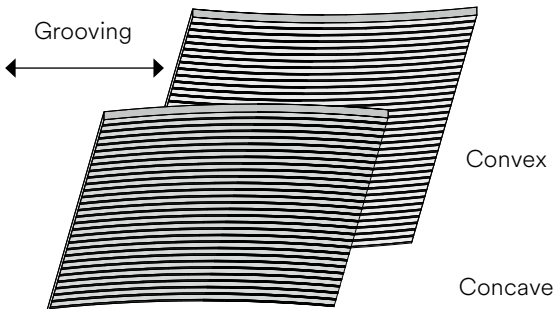
Topakustik formed shapes

For ceiling sails, curved walls, ceilings, etc. Topakustik elements can be used for shaped wall and ceiling finishes. For narrower radii, flexible planks or panels can be assembled on the rear making them easy to adapt to the sub-construction.

Further information on tailor-made solutions



	Radius	Processing
Planks	>10 m >5 m	Mounted in segments Grooved on rear
Panels	>5 m >1 m	Grooved on rear Prepared at the factory as a moulded part



	Radius	Processing
Planks	>15 m >8 m	No special machining Grooved on rear
Panels	>8 m >1 m	Grooved on rear Prepared at the factory as a moulded part

Hong Kong Palace Museum, HK · Architect: Rocco Design Architects Associates Ltd, HK
Photo: Simon Yau, Andermax (H.K) Limited, HK · Product: Topakustik Custom Split

Topakustik ARIA-Plus

The grooving with the black background gives a perception of depth, making the bars look like individual strips and thus showcasing the individual softwood strips in the best possible way.

ARIA-Plus is available in knotty spruce or finger-jointed white fir.

Topakustik Classic 28/4 M ARIA-Plus

Topakustik Classic 12/4 M ARIA-Plus

Topakustik Classic RL4 M ARIA-Plus

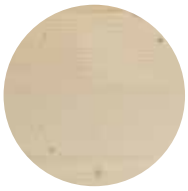
CH	DIN	EN	US
RF 3	B2	D-s2,d0	C

More information see page 78.
Table serves as a guide only
DIN is no longer valid

US classifications according to ASTM E84 standard

Fire stability according to Euroclass EN 13501-1

Finger-jointed white fir



Knotty spruce

	Panel size	Planks
Knotty spruce	4080 × 2050 × 20 mm	ideal = 4080 × 128 × 20 mm
Finger-jointed white fir		

Sound absorption values according to ISO 354
with fleece on rear and mineral wool 30 mm (60 kg/m³)

Topakustik Classic		Planks	Panels*	Approx. 216 / 226 / 246 mm suspension height			Approx. 46 / 56 / 96 mm suspension height		
				α w	Euro	NRC	α w	Euro	NRC
12/4 M	15.0 %	X		0.80	B	0.90	0.80	B	0.86
28/4 M	7.5 %	X		0.55 LM	D	0.78	0.55 M	D	0.72
RL3 M	7.4 %	X		0.80	B	0.79	0.75	C	0.82
RL4 M	9.4 %	X		0.80	B	0.82	0.80	B	0.85

* Panels can only be manufactured for absolutely symmetrical products (stability)

New wine cellar, WeinSTAMM, Thayngen CH · Architect: Wunderli Planung GmbH, Thayngen CH · Photo: K. Klemenz, Dubach.digital
Product: Topakustik Classic, medium-sized grooves

To the core materials

Topakustik ARIA-Pure

ARIA-Pure means white fir through and through! We have the finger-jointed three-layer white fir panel available in our warehouse in two formats with a thickness of 16 mm.

Topakustik Classic RL3 M ARIA-Pure

Topakustik Micro ARIA-Pure

Topakustik Perfo M 16/16/6 ARIA-Pure

CH	DIN	EN	US
RF 3	B2	D-s2,d0	C

More information see page 78.
Table serves as a guide only
DIN is no longer valid

US classifications according to ASTM E84 standard

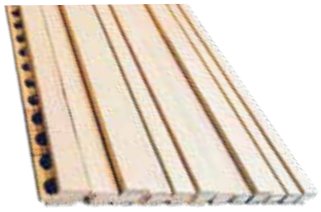
Fire stability according to Euroclass EN 13501-1

	Panel size	Planks	Panels
Finger-jointed white fir	4080 × 2050 mm	ideal = 4080 × 128 mm	ideal = 2020 × 640 mm
	5000 × 2050 mm	ideal = 2480 × 128 mm	ideal = 2490 × 640 mm

Sound absorption values according to ISO 354
with fleece on rear and mineral wool 30 mm (60 kg/m³)

		Planks	Panels*	Approx. 216 / 226 / 246 mm suspension height			Approx. 46 / 56 / 96 mm suspension height		
Topakustik				α w	Euro	NRC	α w	Euro	NRC
Classic 12/4 M	15.0 %	X		0.80	B	0.89	0.80	B	0.86
Classic 28/4 M	7.5 %	X		0.55 LM	D	0.78	0.55 M	D	0.72
Classic RL3 M	7.4 %	X		0.80	B	0.79	0.75	C	0.82
Classic RL4 M	9.4 %	X		0.80	B	0.82	0.80	B	0.85
Classic 13.5/2.5 M	9.5 %	X		0.90	A	0.88	0.85	B	0.84
Classic 18.5/2.5 M 3D	7.3 %	X		0.80	B	0.83	0.75 M	C	0.82
Micro 2/2/0.5		X		0.60 LM	C	0.76	0.60 LM	C	0.81
Micro 1.8/1.8/0.5		X		0.65 L	C	0.80	0.65 LM	C	0.84
Perfo M 16/16/6	12.0 %		X	0.50 LM	D	0.79	0.50 M	D	0.73
Perfo M 16/16/8	20.0 %		X	0.75 LM	C	0.91	0.70 M	C	0.81
Perfo M 16/16/10	30.0 %		X	0.95	A	0.95	0.90	A	0.90

* Panels can only be manufactured for absolutely symmetrical products (stability)



Topakustik Classic 18.5/2.5 M with 3D surface
Length of 2300 or 3900 mm possible

To the core materials

Topakustik Solution

Room acoustics in combination with cooling or heating ceilings

Today's modern buildings require comprehensive solutions that cover both the indoor climate and the room acoustics. The combination of Topakustik products and the technology of selected partners offers a convincing solution that guarantees both an effective cooling function and optimum room acoustics.

Raiffeisenbank, Frutigen, CH
Architect: akkurat bauatelier AG, Thun CH
Photo: David Bühler, Zurich CH · Product: Topakustik Micro

Triangolo

A triangle is bounded by three straight lines and is therefore the simplest geometric figure. Even the ancient Egyptians and Greeks studied the triangle in detail. Topakustik Triangolo now brings the geometric shape of the triangle to your wall in a new way. As a smooth, flat design, but also with the possibility of deformation in the third dimension. The shape of the triangle is just perfect for this.

Auditorium, USA · Architect: Gensler, USA
Photo: ©Gensler / Ryan Gobuty · Product: Topakustik Micro

Your advantage at a glance

- Cutting at Topakustik or on-site
- Easy installation and layout on-site

Notes:

Paint, page 75

Real wood veneer, page 76

Melamine coating, page 77

For more information on Topakustik Solution, please request our flyers Room acoustic cooling and Triangolo.

Topakustik Service

Quality is never a coincidence. What we do, we do perfectly – to the highest quality for our customers, with respect for the environment, with products that comply with EN standards and with global patent protection for our inventions.

TOPAKUSTIK

Acoustic panel solutions

RESA1P®

are registered trademarks of Topakustik AG

EN 13501-1 **Fire classification**	EN 20354 **Sound absorption**	CH **PATENT** No 683 112
EN 13986 **Wood materials**	US **PATENT** No 5, 362, 931 No 5, 422, 446	EU **PATENT** No 0504629

FSC products are marked

Sample boxes and individual samples

Deluxe sample box
(subject to a nominal charge)

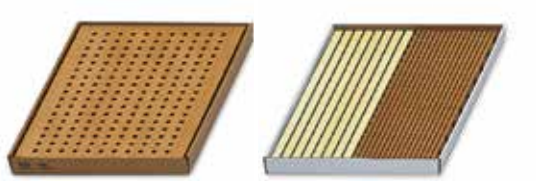
Basic sample box

Eco sample box

ARIA sample box

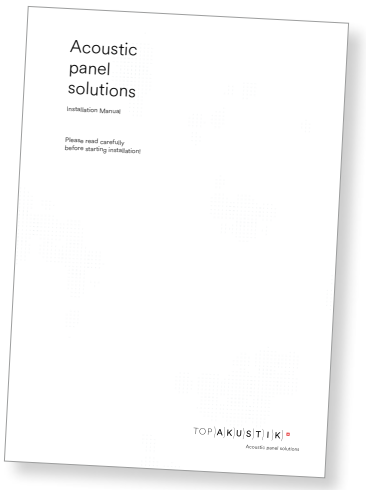
Line sample box

Micro Basic box



A5 samples in stock
... more than 250 different samples available immediately from our warehouse! Special samples within 2 to 3 weeks + shipping (nominal charge)

Installation manual



Topakustik installation manual
with sub-constructions, guidelines and tips for the tried-and-tested Topakustik mounting systems. Please do not hesitate to contact us for special assembly solutions.

Topakustik contact information

Thanks to our global sales network, we can always be reached wherever you are.

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View from the Brünig Pass over Lungern to Kaiserstuhl