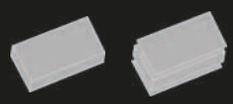
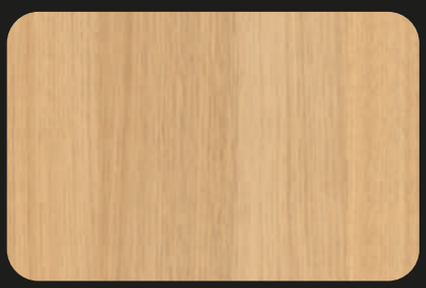
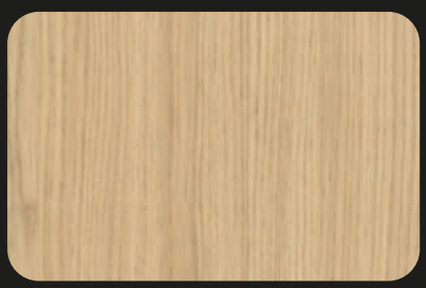
CPL/HPL/Melamin

Wood replicas

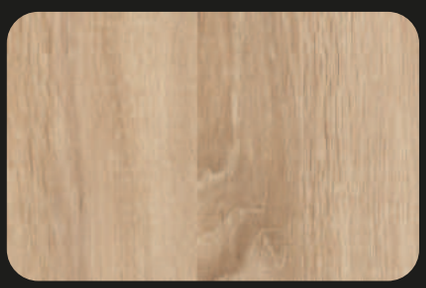




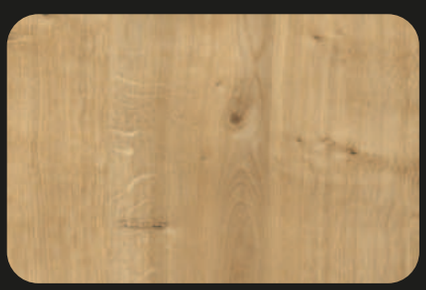
H1334 ST9 - Sorano oak naturally light



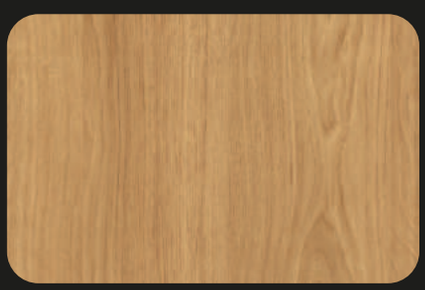
H3157 ST12 - Vicenza oak



H1145 ST10 - natural bardolino oak

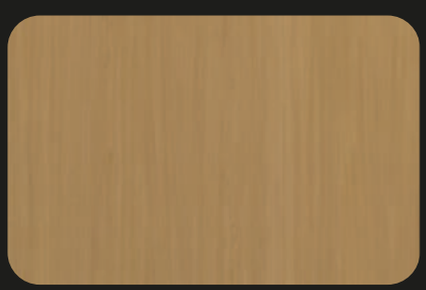


H3303 ST10 - natural hamilton oak

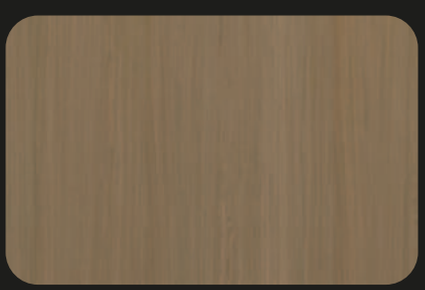


H3395 ST12 - natural corbrdidge oak

H1313 ST10 - whiteriver oak grey/brown

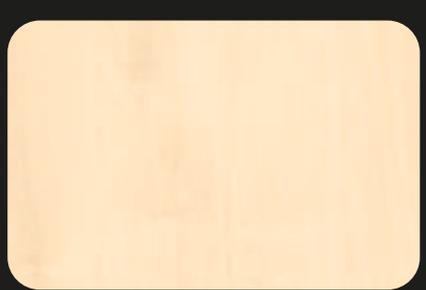


0H913 - Master Oak (V2A) natural



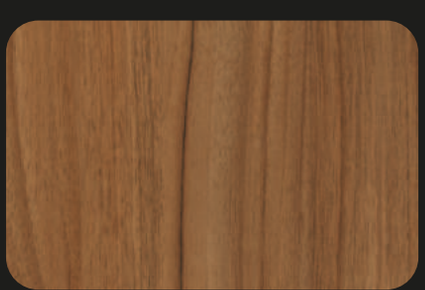
0H914 - Master Oak (V2A) double fumed

C0113 - Master Oak (V2A) elegant black cc



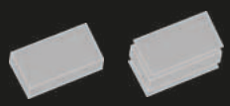
H1733 ST9 - Mainau birch

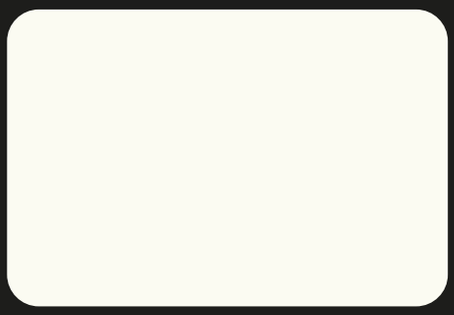
H3840 ST9 - natural mandal maple



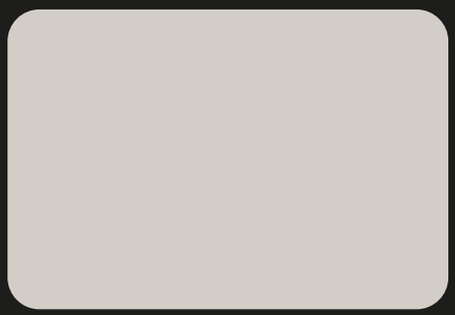
H3734 ST9 - natural dijon walnut

Uni color and material imitation decors

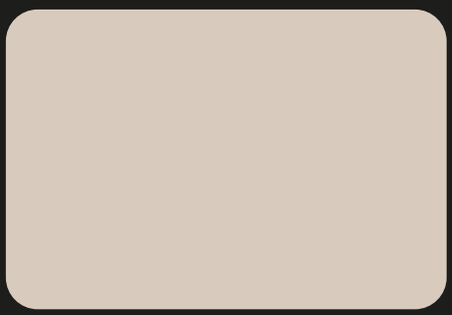




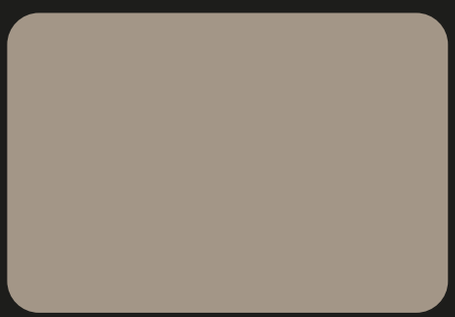
W1000 ST9 - premium white
NCS: S0500-N
RAL: 9003



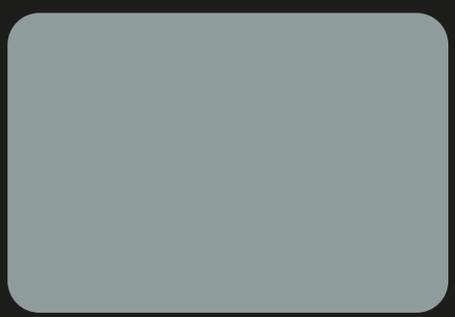
U708 ST9 - light grey
NCS: S2000-N
RAL: 7047



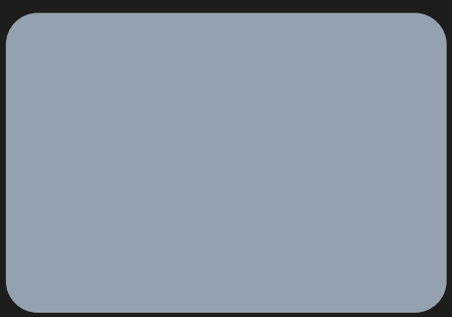
U702 ST9 - cashmere grey
NCS: S2005-Y60R



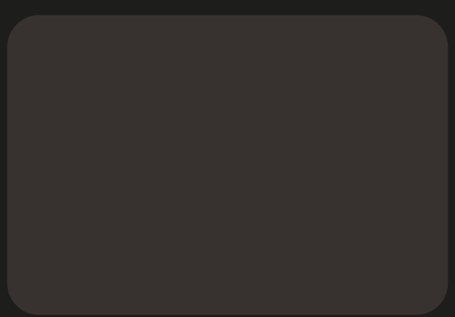
U727 ST9 - stone grey
NCS: S4005-Y50R



U636 ST9 - fjord green
NCS: S4010-B50G

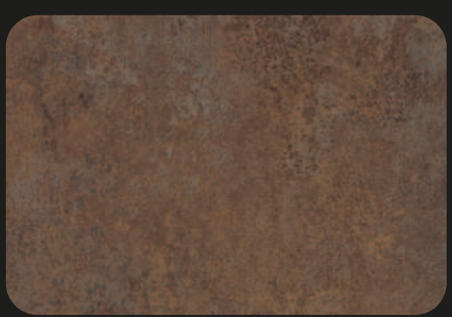


U540 ST9 - denim blue
NCS: S3010-R90B



U961 PM - graphite black
NCS: S7500-N

F186 ST9 - Chicago Concrete light grey



F302 ST87 - ferro bronze

Wood reproductions and colours shown represent a selection of popular decors. In principle, all commercially available CPL/HPL and melamine coatings are possible.

Please send a direct enquiry to info@burkeacoustics.com.

Binding orders can only be placed on the basis of original samples, as all the decors shown here are only reproductions.

 = melamin-coated boards

 = laminate / veneer composite panels

Real wood veneers

European oak

American walnut

Canadian maple

American cherry

The types of wood shown represent a selection of common veneers. Of course, all common types of wood can be processed.

Due to the uniqueness of each individual tree log, we recommend using a planked veneer panel for large wall surfaces. This results in a homogeneous overall appearance of the wall cladding.

Please ask for the Burke veneer brochure. Our sales team will be happy to answer any further questions you may have.

Lacquered surfaces RAL/ NCS

All common colours and colour systems (RAL/NCS) can be lacquered. The lacquering is carried out by spray painting and UV roller application.

This achieves the best surface results. A lacquered surface that is „changed“ by slits or perforations/drillings appears different in colour than a smooth closed surface.

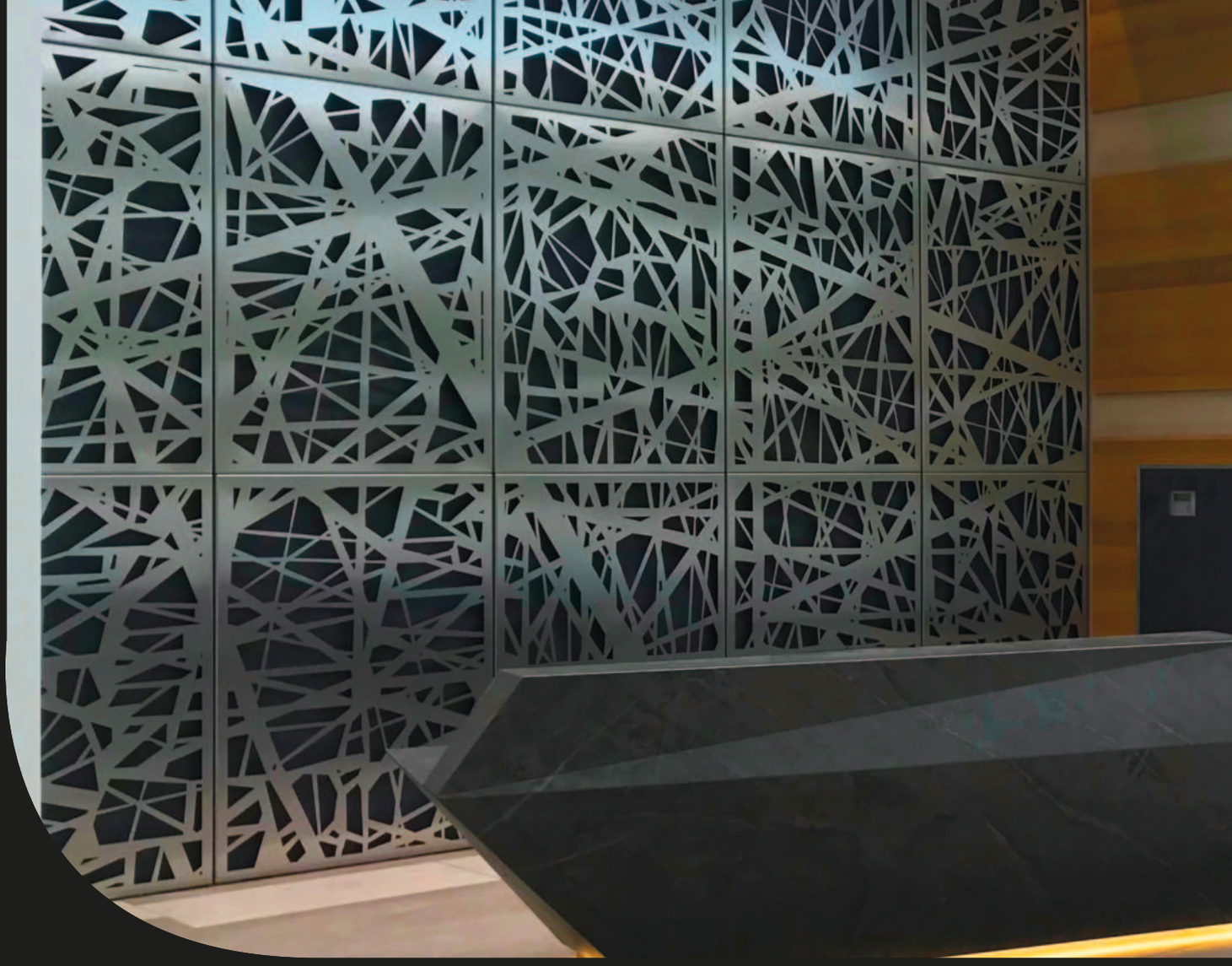
If the surface is produced by the customer, care must be taken to ensure uniform colouring in the slits and holes.

For lacquered surfaces on micro-perforated panels, please contact our sales team.

= melamin-coated boards

= laminate / veneer composite panels

MicroSound



Dimensions

Standard:

3050x1220 mm / 192 mm
2440x1220 mm / 192 mm
(without edging)

- max. dimensions with edging
  3000x1200 mm

Surfaces

- Real wood veneer, UV lacquered
- HPL/CPL laminate
- Lacquered RAL/NCS

Core materials

- MDF
- Chipboard
- Gypsum fibre
- Multiplex/Plywood

Installation:

- Hanging system rails with different wall spacings; see page 42-47 for installation.

fire behaviour:

- Normal flammability
- Flame retardant (Bs1d0, Bs2d0)
- Non-combustible (A2s1d0)
  (only core)

Added value:

- An almost invisible perforation preserves the beauty of the of the wood structures.
- Due to a very high degree of absorption you need fewer acoustic panels with the same sound absorption.
- Standard panels are significantly cheaper and allow individual cutting by the fabricator

MicroSound 05

Perforation 0.5 mm
Hole spacing ctr/ctr 1.8 mm staggered
Hole proportion: 6.1 %

NRC 0.85
Absorber class: B

MicroSound 1

Hole diameter 1.0 mm
Hole spacing ctr/ctr: 3 mm parallel
Hole proportion: 8.7 %

NRC 0.85
Absorber class: B

ProSound

Dimensions:

- Standard:

  L3050 x B1220 / B192 mm
  L2440 x B1220 / B192 mm
  (without edging)
- max. dimensions with edging:
  L3000 x B1200 mm

Core materials:

- MDF
- Chipboard
- Gypsum fibre
- Multiplex/plywood

Fire behaviour:

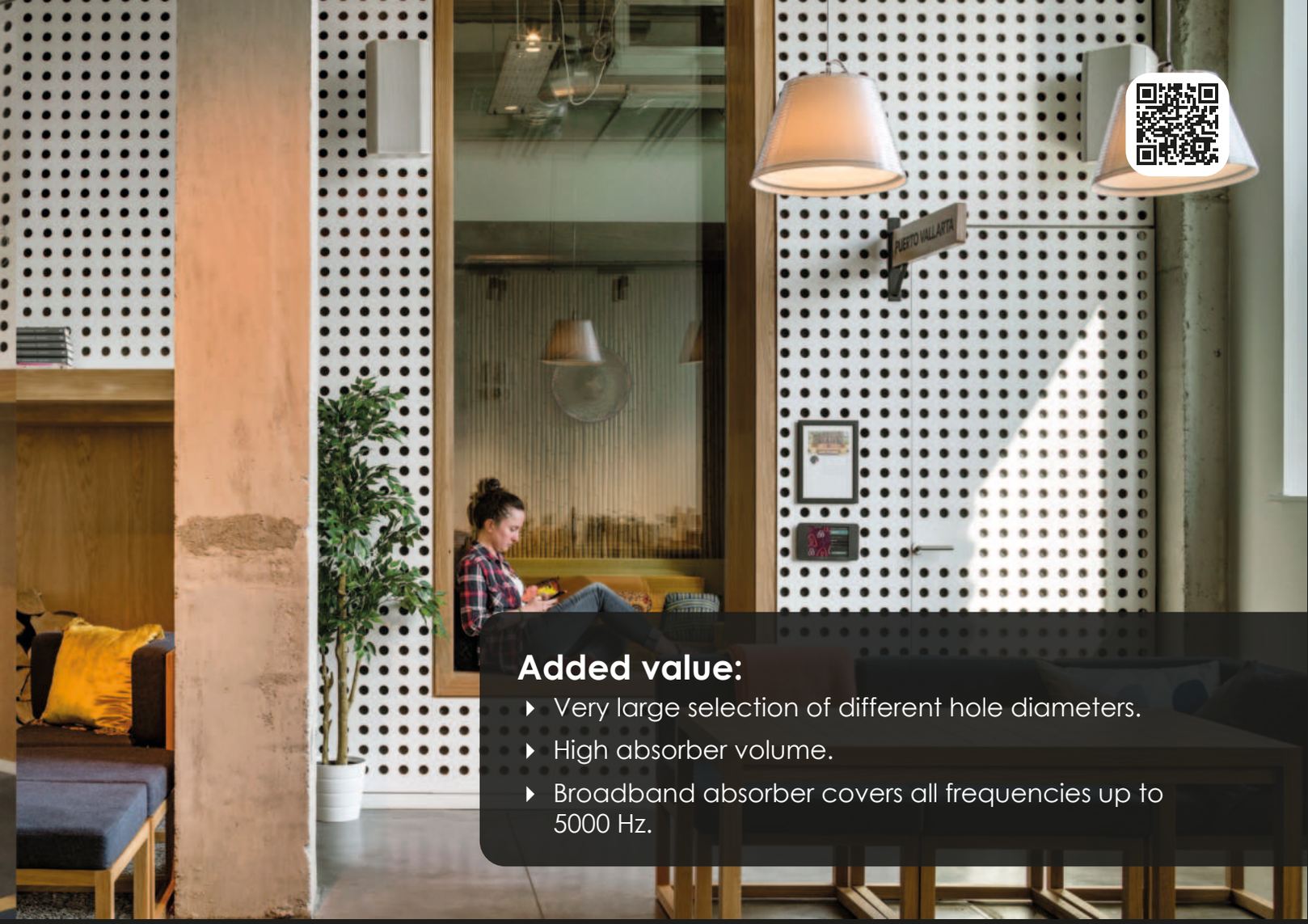
- Normal flammability
- Flame retardant (Bs1d0, Bs2d0)
- Non-combustible (A2s1d0)
  (only core

Surface:

- Real wood veneer, UV lacquered
- HPL/CPL laminates
- Melamine coated (Only MDF and chipboard)
- Lacquered RAL/NCS

Installation:

- Hanging system rails with different wall spacings; see page 42-47 for installation.



Added value:

- Very large selection of different hole diameters.
- High absorber volume.
- Broadband absorber covers all frequencies up to 5000 Hz.

Product description:

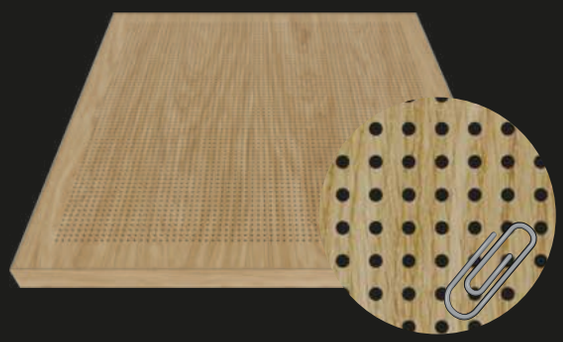
The ProSound product range covers almost all hole diameters from 1.5 mm. Standard hole diameters are 1.5 mm, 3 mm, 6 mm and 8 mm.

We offer other hole diameters such as 10 mm, 12 mm as well as large holes with e.g. 35 mm and 50 mm.

Special perforations, such as staggered arrangement (staggered, diamond), or omitted rows of holes are also possible with ProSound. Please request these separately from us at info@burkeacoustics.com.

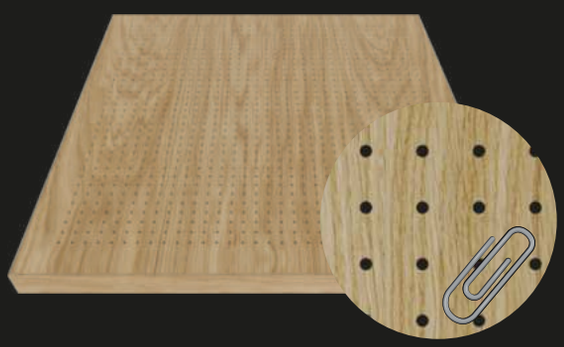
Due to the high variance of the individual arrangements and hole diameters we can create individual bespoke products.

ProSound products are usually made of melamine-coated MDF boards or veneered and lacquered MDF boards. The back of the acoustic panel is covered with a black, flame retardant acoustic fleece. In this way we keep costs low in order to be able to offer you a product with the best price-performance ratio



ProSound fine 3,5/3,5/1,5

Perforation	ø 1,5 mm
Hole spacing:	3,5/3,5 mm parallel
Number of holes/m²:	81.632
Hole proportion:	14,4 %
NRC:	0,95
Absorber class:	A

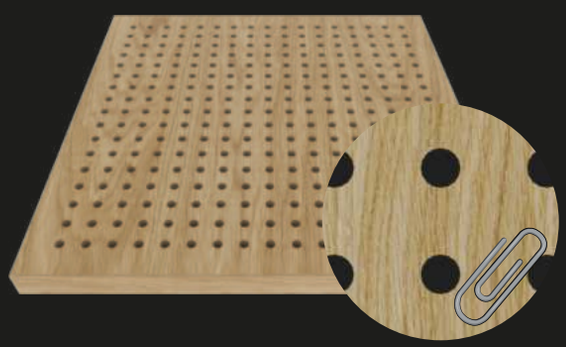


ProSound fine 8/8/1,8

Perforation	ø 1,8 mm
Hole spacing:	8/8 mm parallel
Number of holes/m²:	15.625
Hole proportion:	4%
NRC:	0,60
Absorber class:	C

ProSound fine 16/16/1,8

Perforation	ø 1,8 mm
Hole spacing:	16/16 mm parallel
Number of holes/m²:	3.906
Hole proportion:	1 %
NRC:	0,50
Absorber class:	D

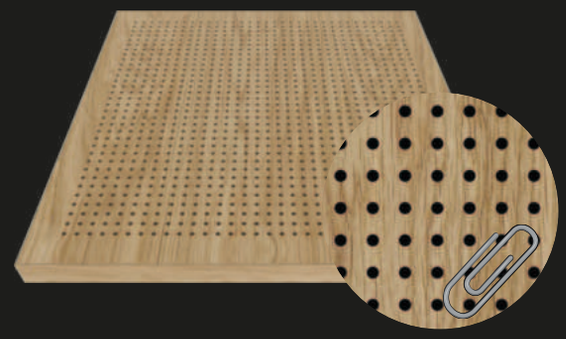


ProSound XL 16/16/6

Perforation	ø 6 mm
Hole spacing:	16/16 mm parallel
Number of holes/m²:	3.906
Hole proportion:	11 %
NRC:	0,81
Absorber class:	B

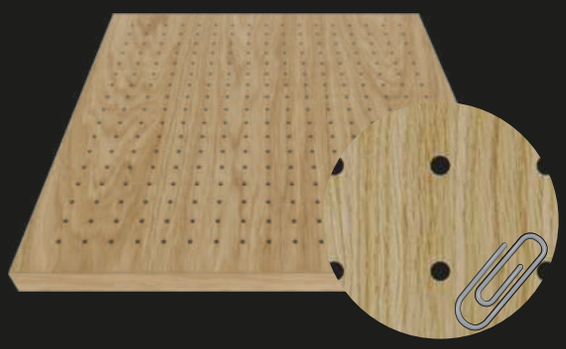
ProSound XL 32/32/6

Perforation	ø 6 mm
Hole spacing:	32/32 mm parallel
Number of holes/m²:	976
Hole proportion:	2,8 %
NRC:	0,81
Absorber class:	B



ProSound fine 8/8/3

Perforation	ø 3 mm
Hole spacing:	8/8 mm parallel
Number of holes/m²:	15.625
Hole proportion:	11 %
NRC:	0,80
Absorber class:	B

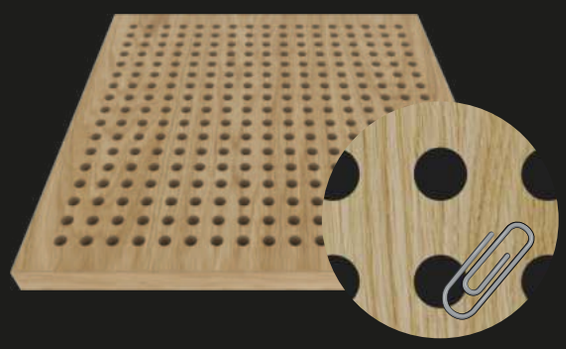


ProSound fine 16/16/3

Perforation	ø 1,5 mm
Hole spacing:	16/16 mm parallel
Number of holes/m²:	3906
Hole proportion:	2,7%
NRC:	0,60
Absorber class:	C

ProSound fine 32/32/3

Perforation	ø 3 mm
Hole spacing:	32/32 mm parallel
Number of holes/m²:	976
Hole proportion:	0,7 %
NRC:	0,50
Absorber class:	D



ProSound XL 16/16/8

Perforation	ø 8 mm
Hole spacing:	16/16 mm parallel
Number of holes/m²:	3.906
Hole proportion:	20 %
NRC:	0,80
Absorber class:	B

ProSound XL 32/32/8

Perforation	ø 8 mm
Hole spacing:	32/32 mm parallel
Number of holes/m²:	976
Hole proportion:	4,9 %
NRC:	0,55
Absorber class:	D

Other customized perforations are available on request.

LinearSound

Dimensions:

- Standard:

  L3050 x B1220 / B192 mm
  L2440 x B1220 / B192 mm
  (without edging)
- max. dimensions with edging:
  L3000 x B1200 mm

Core materials:

- MDF
- Chipboard
- Gypsum fibre
- Multiplex/plywood

Fire behaviour:

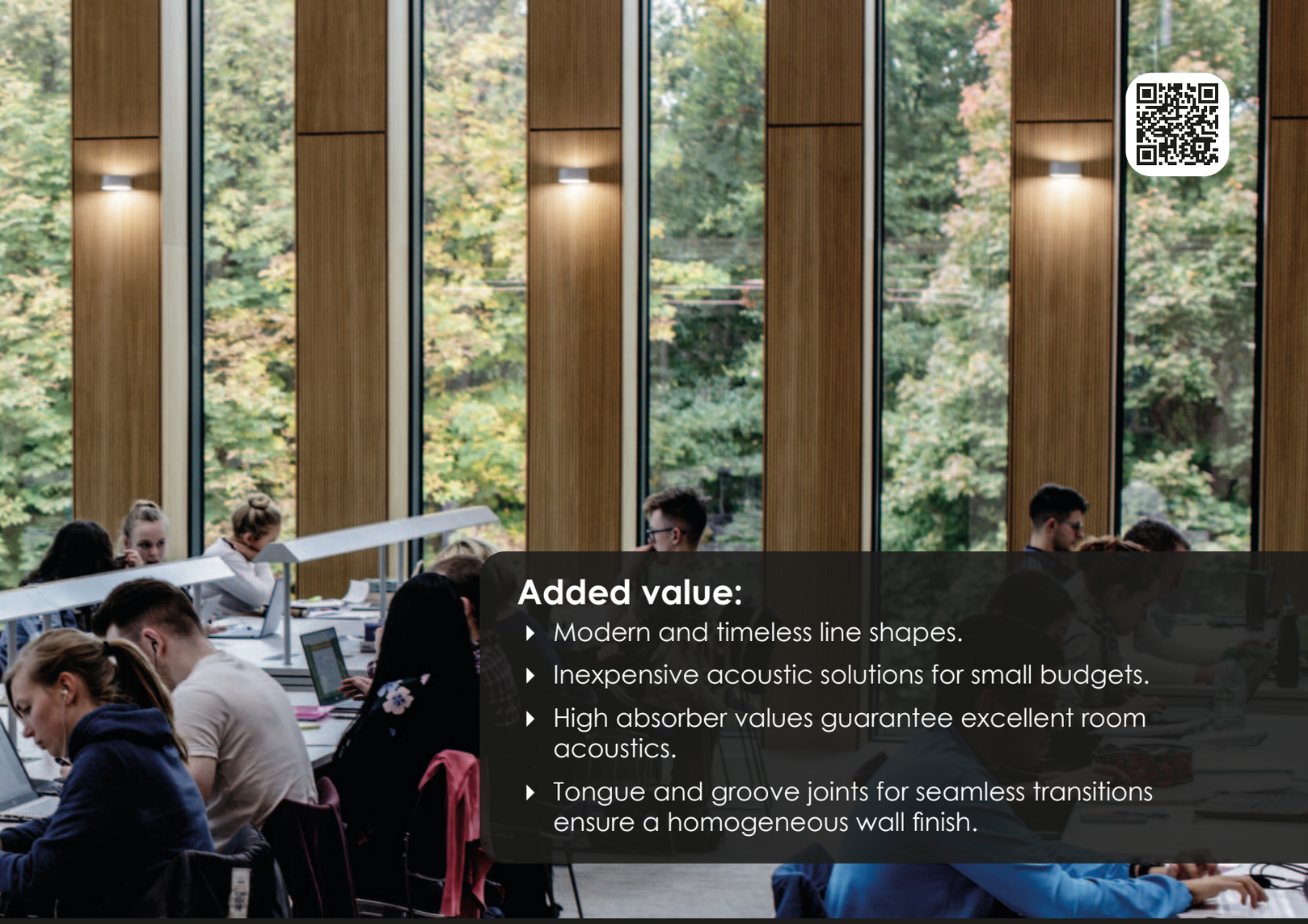
- Normal flammability
- Flame retardant (Bs1d0, Bs2d0)
- Non-combustible (A2s1d0)
  (only core)

Surface:

- Real wood veneer, UV lacquered
- HPL/CPL laminates
- Lacquered RAL/NCS

Installation:

- Hanging system rails with different wall spacings; see page 42-47 for installation.



Added value:

- Modern and timeless line shapes.
- Inexpensive acoustic solutions for small budgets.
- High absorber values guarantee excellent room acoustics.
- Tongue and groove joints for seamless transitions ensure a homogeneous wall finish.

Produktbeschreibung:

The LinearSound range offers a timeless architectural aesthetic with its clean lines. These acoustic panels can be used for both wall and ceiling applications.

The grooves can be made in standard widths of 2 mm, 3 mm, 4 mm, each with even or uneven groove spacing.

For the 192 mm panel width, you only need a small amount of planning, as continuous installation is possible.

The surfaces are available as real wood veneers, melamine coating, CPL/HPL laminates and lacquer finishes.

The LinearSound has excellent sound absorption properties and offers an economical price/performance ratio.

Slot: 2 mm

LinearSound 6-2

Slot width:	2 mm
Slat width:	6 mm
Slot ctr/ctr:	8 mm
NRC:	0,95
Absorber class:	A
maximum width:	400mm

LinearSound 14-2

Slot width:	2 mm
Slat width:	14 mm
Slot ctr/ctr:	16 mm
NRC:	0,90
Absorber class:	A

LinearSound 30-2

Slot width:	2 mm
Slat width:	30 mm
Slot ctr/ctr:	32 mm
NRC:	0,70
Absorber class:	C

Slot: Irregular

LinearSound SPLIT

Slot width:	3 mm
Slat width:	varies from 13 to 45 mm
NRC:	0,80
Absorber class:	B

Slot: 3 mm

LinearSound 13-3

Slot width:	3 mm
Slat width:	13 mm
Slot ctr/ctr:	16 mm
NRC:	0,90
Absorber class:	A

LinearSound 29-3

Slot width:	3 mm
Slat width:	29 mm
Slot ctr/ctr:	32 mm
NRC:	0,75
Absorber class:	C

Slot: 4 mm

LinearSound 12-4

Slot width:	4 mm
Slat width:	12 mm
Slot ctr/ctr:	16 mm
NRC:	0,90
Absorber class:	A

LinearSound 28-4

Slot width:	4 mm
Slat width:	28 mm
Slot ctr/ctr:	32 mm
NRC:	0,75
Absorber class:	C

SoloSound

Dimensions:

- Standard:

  L2440 x W600 mm

Core Material:

- MDF black
- PET felt black
  other colours possible

Fire behaviour:

- Normal flammability
- Flame retardant (Bs1d0, Bs2d0)

Surfaces:

- Veneered MDF slats, lacquered
- Real wood slats, lacquered

Installation:

- PET: fixed directly through PET felt with blackened screw heads
- WOOD: By hanging rails, see page 42-47 Installation

Product description:

The SoloSound panels captivate with their modern and timeless lines. The black core material helps to realise the colour of the surfaces. The PET version has a very high absorber value NRC 0.90, whereas the WOOD version has excellent absorber values (200-315Hz = NRC 0,85), especially in the low-frequency range.

Both versions can be installed quickly and easily.

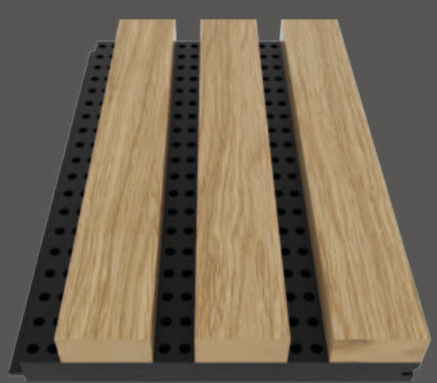
Added value:

- Modern and timeless linear form.
- Sustainable materials such as wood and recycled PET.
- Simple and quick assembly.

SoloSound PET

Slat width: 24 mm
Gap width: 12 mm
Gap proportion: 50 %

NRC: 0,9 (Absorber Class A)

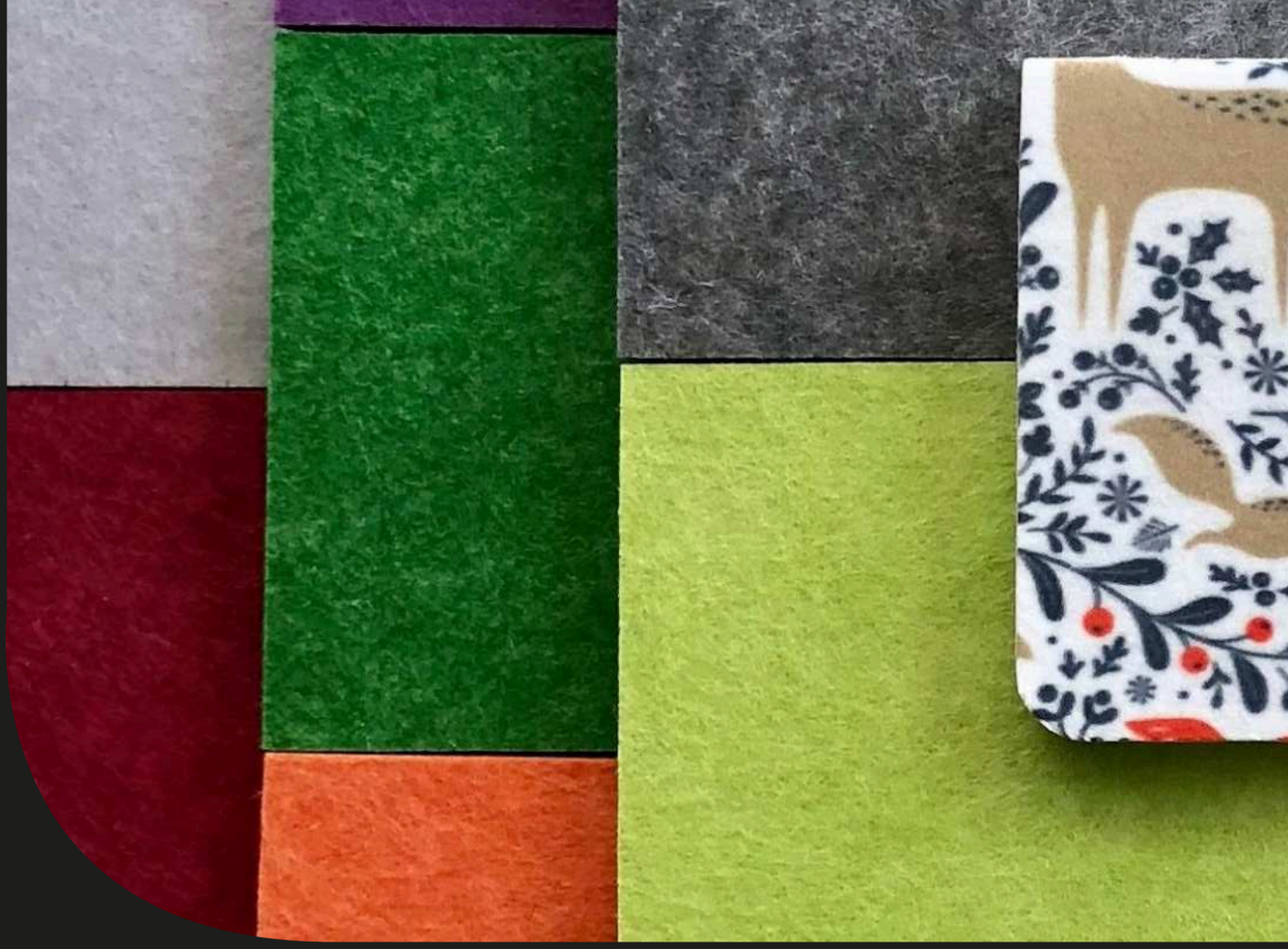


SoloSound WOOD

Slat width: 44 mm
Gap width: 20 mm
Gap proportion: 44 %
Hole proportion: 12%

NRC: 0,55 (Absorber Class D)

FeltSound



Dimensions:

- Standard:

  Length: 2440mm; 3050mm

  Width: 1220mm

  thickness: 9mm (1900g/m²); 24mm (thickness from 5mm to 24mm upon request)

Fire behaviour:

- Normal flammability,
  BS2d2 und BS1d0 (EN13501-1)

Colour:

- Standard:
  White, gray, dark anthracite
- 26 other colors from quantities >500m², please inquire separately

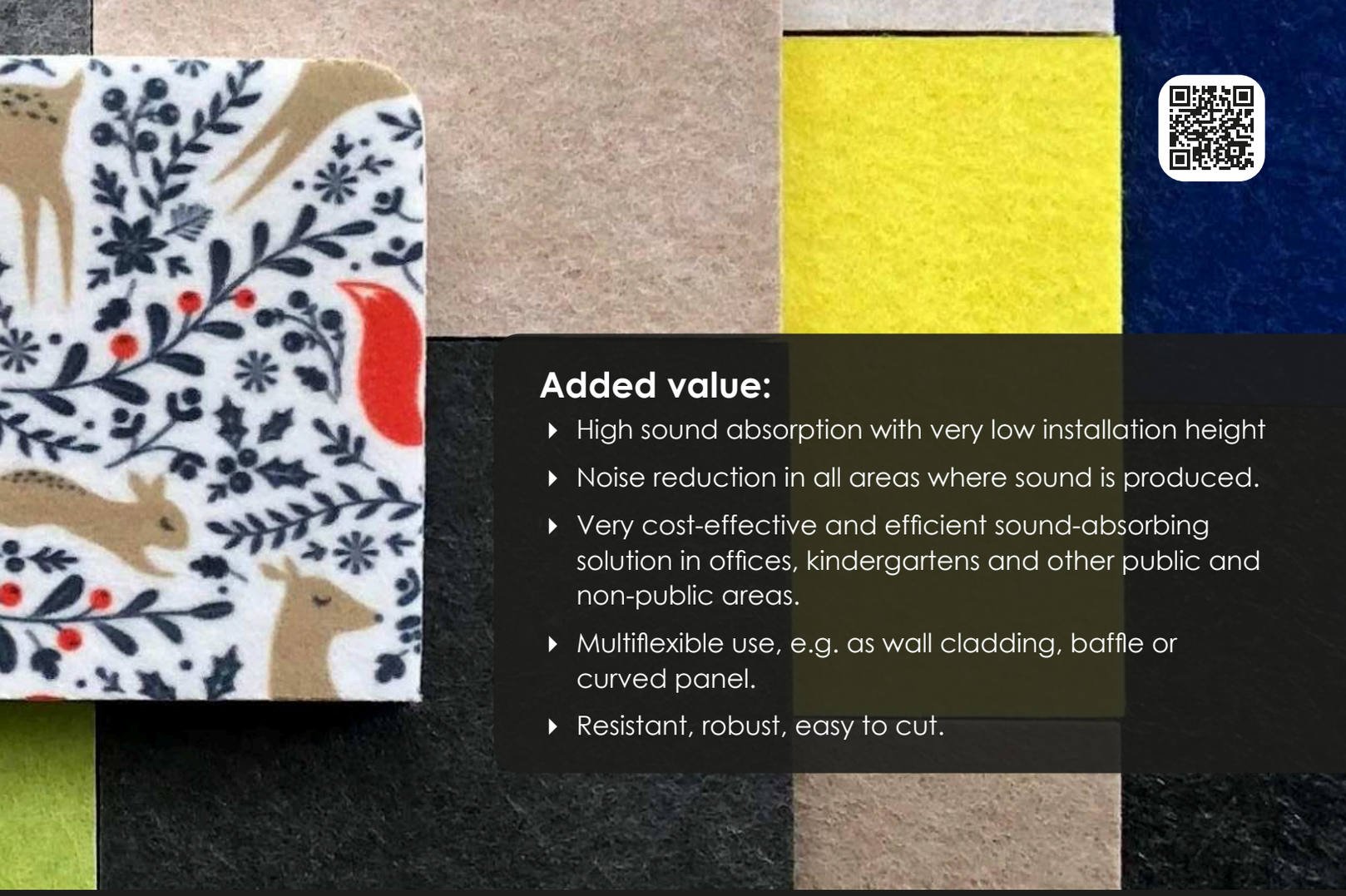
Composition:

Polyethylene terephthalate (PET) and copolyesters in different weight compositions

(up to 100% recycled PET)

Sound absorption:

- NRC: 0,85 (ISO354)
- Absorber class: B



Added value:

- High sound absorption with very low installation height
- Noise reduction in all areas where sound is produced.
- Very cost-effective and efficient sound-absorbing solution in offices, kindergartens and other public and non-public areas.
- Multiflexible use, e.g. as wall cladding, baffle or curved panel.
- Resistant, robust, easy to cut.

Product description:

Burke Acoustics FeltSound acoustic panels are a modern and ecological product. The aesthetic material is ideal for creating shapes and structures in interior design. The panels can be bent or thermoformed. Thanks to its very light weight and easy cutting, the panel can be used flexibly in various thicknesses and dimensions. The wide range of different colors offers possibilities for every setting.

EcoSound

Dimensions:

- Standard:

  L2940 x W624 x T38 mm (circumferential groove for external tongue)

  L2940 x W192 x T38 mm (with tongue and groove on long side)

Fire behavior:

- Normally flammable
- Fire protection lacquer on surface

Surfaces:

- Standard: Solid wood single-ply fir/ spruce board, finger-jointed.
- Veneered plywood panel

Installation:

- Screwed directly to the substructure with small-head screws through slits and crossbars, or fixed with clips. (width 624 mm)
- Fastened with stainless steel clips in tongue and groove (width 192 mm)

Design/Structure:

- **Top layer:** Solid wood single-layer fir/ spruce board, visibly finger-jointed, lively grading, various wood colors and wood grains
- **Middle layer:** Solid wood slats with inlaid wood fiber absorber
- **Back layer:** solid wood longitudinal slats

Added value:

- Significant reduction in noise levels.
- Ecological wood materials increase well-being.
- Low emissions ensure the best indoor climate.

Product description:

The natural, very low-emission EcoSound wall and ceiling panel ensures a relaxing indoor climate. The real wood materials used and the integrated absorber made of natural wood fiber significantly reduce the reverberation time, which leads to stress reduction and a sense of well-being.

Special environments, such as school classrooms, kindergartens and daycare centers, usually have a very high noise level. Here, our EcoSound ensures a significant reduction in noise. The resulting improved ambient climate is easy on the nerves and therefore has a positive effect on health.

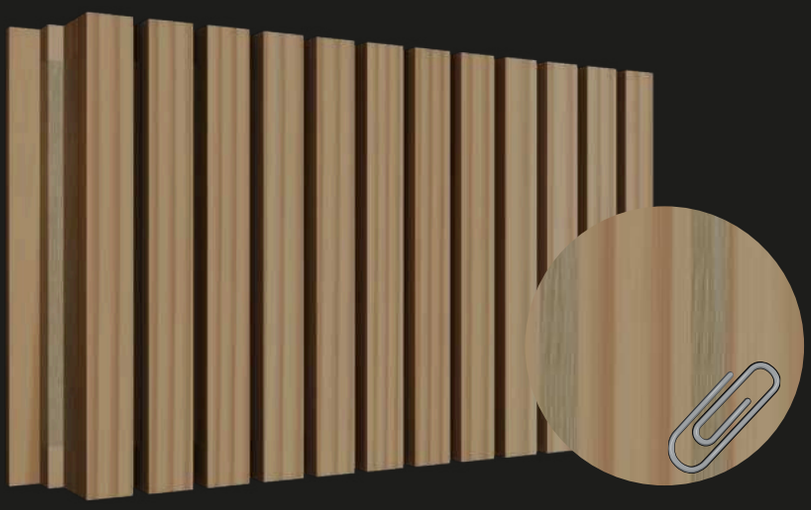
The panels can be laid across the entire surface and seamlessly across the width using a tongue and groove joint. EcoSound can be used in a variety of ways as acoustic sails, acoustic ceiling baffles or insert elements in grid ceilings. If you consider EcoSound as early as the planning phase, the best room acoustics are guaranteed.

A wide range of variants is available thanks to different groove and strip arrangements, as well as different drilling patterns and drilling diameters. All versions have excellent broadband absorber values. Please contact us about the possibilities.

EcoSound

EcoSound SPLIT

Slot-width:	4 mm
Slat-width:	13 - 45mm
Slot ctr/ctr:	unregelmäßig
NRC:	0,75
Absorber class:	C



EcoSound 12-4

Slot-width:	4 mm
Slat-width:	12 mm
Slot ctr/ctr:	16 mm
NRC:	0,70 - 0,90
Absorber class:	C / B

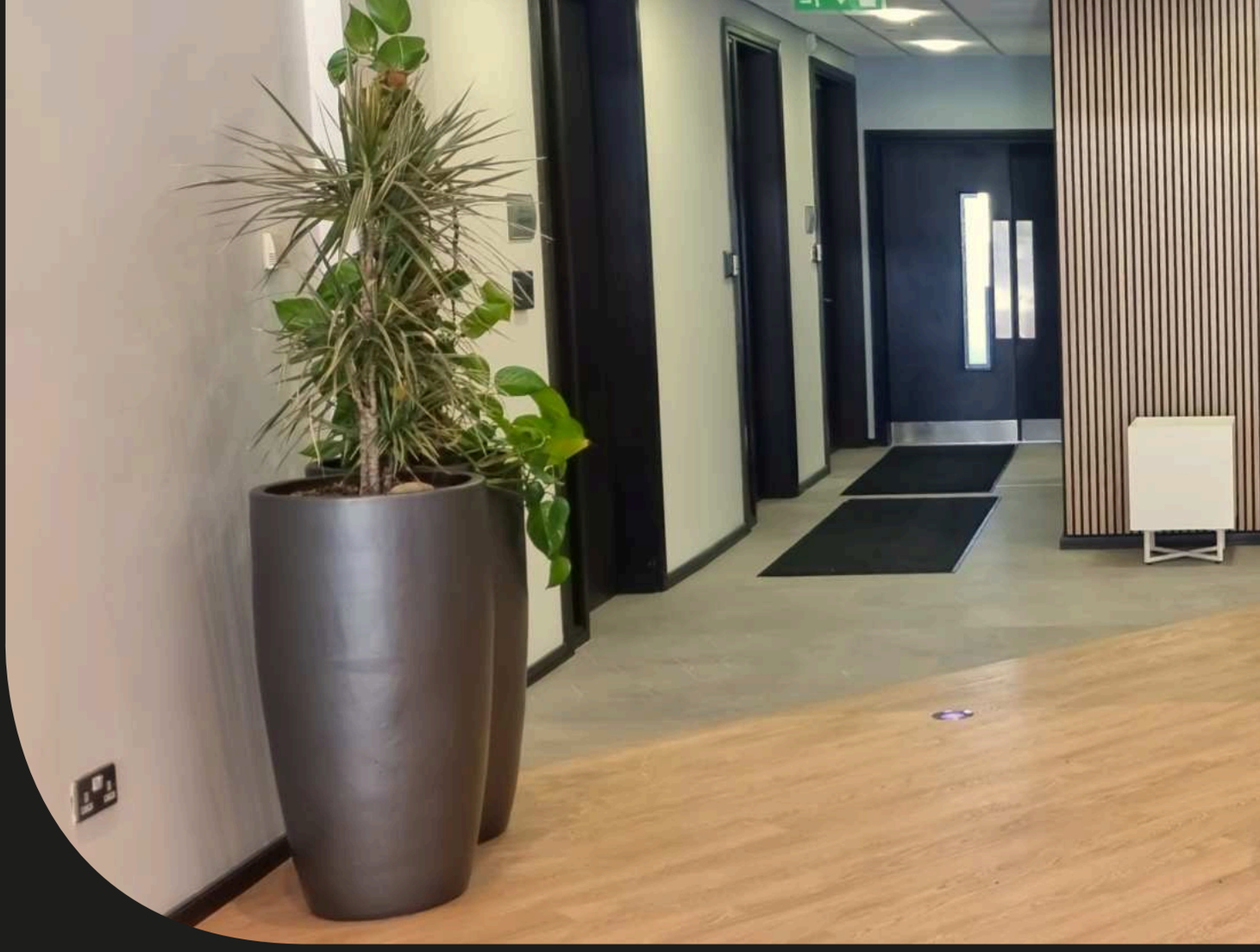
EcoSound 20-4

Slot-width:	4 mm
Slat-width:	20 mm
Slot ctr/ctr:	24 mm
NRC:	0,70 - 0,85
Absorber class:	C

EcoSound 18-6

Slot-width:	6 mm
Slat-width:	18 mm
Slot ctr/ctr:	24 mm
NRC:	0,70 - 0,80
Absorber class:	C

SlatSound



Dimensions:

- Standard:

length: 1200 mm; 1800 mm; 2400 mm; 3000mm
thickness: 300 mm; 600 mm
height: variable depending on slat height

Special dimensions on request

Slat dimensions:

- Standard:

Width: 20mm (visible side = 20mm)
height: 50mm; 100mm; 150mm; 200mm; 300mm

(other profiles on request)

Distance between slats:

- 25mm; 50mm; 100mm; according to customer request

Fire behaviour:

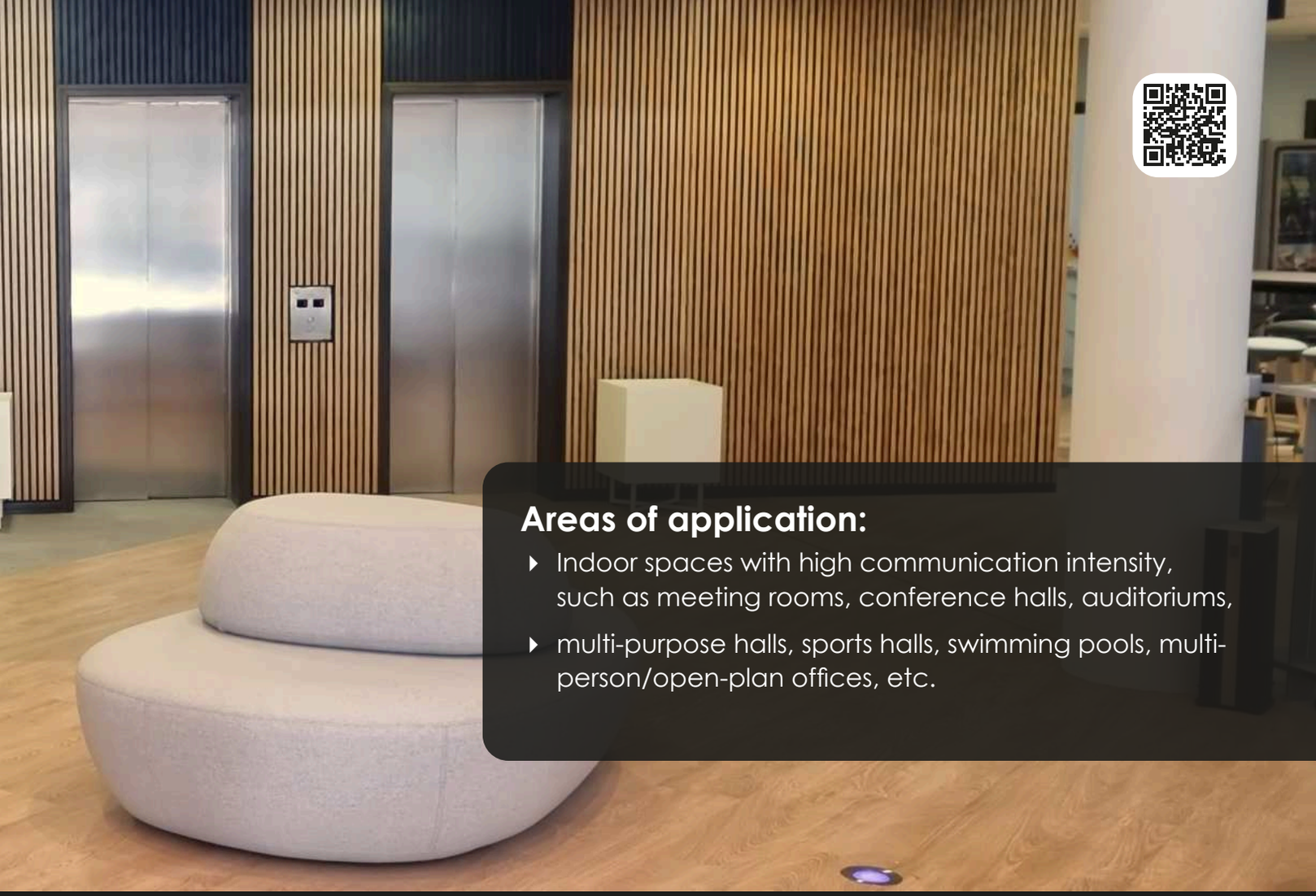
- D-S3,d2 (normal flammability)
- B-s1,d0, B-s2,d0 (Fire protection coating)

Surfaces:

- Raw-sanded, lacquered, oiled (wax oil)

Installation:

Screwed to the back of the crossbars (wall) using suspension brackets. If insulating wool is used, make sure that an additional crossbar is screwed on site to hold the insulating wool in position. Fastened to the substructure on the ceiling side with metal brackets.



Areas of application:

- Indoor spaces with high communication intensity, such as meeting rooms, conference halls, auditoriums,
- multi-purpose halls, sports halls, swimming pools, multi-person/open-plan offices, etc.

Wood types:

- Softwood
- Hardwood
- Veneered MDF strips in oak, pine, Douglas fir, walnut and more

Grammage:

- depending on the type of wood, profile dimensions and spacing Variable
- Example: 20x42mm batten with 35mm spacing between 12 and 16 kg/m² depending on the type of wood

Product description:

SlatSound modules consist of several solid wood or veneered MDF slats arranged next to each other.

The slats are invisibly screwed together on the back with a blackened cross connector or are connected to each other using a blackened metal tube. The modules can be filled on the back with black laminated acoustic insulation wool. The insulating wool ensures ideal sound absorption and significantly reduces room reverberation. The result is an extremely improved room climate. The modules can be used for both wall cladding and ceiling suspensions.

The modern, timeless lines, combined with natural wood, convey warmth and well-being.

Baffel

Dimensions:

- Standard:

  length: 2400 und 3000 mm
  height: 30, 40, 50, 80, 100, 150, 200, 250 mm
  thickness: 20, 30, 40, 50 mm

  Other dimensions possible on request

Materials:

- Real wood slats of all common types of wood
- Veneered MDF or chipboard
- Coated MDF or chipboard with melamine or CPL/HPL
- metal

Fire behaviour:

- Normally flammable
- Flame retardant (Bs1d0, Bs2d0)
- Non-combustible (A2,S1,d0 for beams)

Surfaces:

- Veneer, lacquer, laminate, melamine, lacquer
- Real wood slats raw or lacquered
- Lacquered metal or coated with wood texture

Installation:

- UA/CD profiles with nonius hanger screwed onto the back of MDF

Added value:

- The baffle allows an absorber surface larger than the wall surface to be created, which enables a high reduction in reverberation time
- Timeless lines are combined with sound absorption for the first time.
- Simple installation and integration of light strips and luminaires.

Product description:

The baffles and slats are manufactured to the highest quality standards from the materials listed.

All products are available in a smooth version or as a perforated or slotted absorber.

Due to the variety of designs, please send us an email to info@burkeacoustics.com if you are interested.

Fire protection panel

Dimensions:

- Standard:

  length: 2540 mm, 3050 mm
  width: 1240 mm

  Project-specific dimensions on possible on request

Core material:

- Gypsum fiber, fiber cement

Fire behaviour:

- Non-combustible (A2,s1,d0)

Surfaces:

- laminate
- veneer
- ceramic

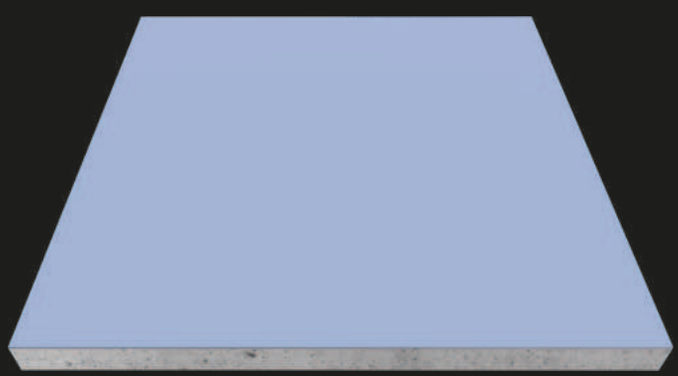
Installation:

- With aluminium or hot-dip galvanized suspension rails (A2, s1,d0) See page42-47 Installation

Product description:

The Burke fire protection panel is a fire protection composite panel with different surface coatings. All panels meet the fire protection requirement A2, s1, d0 (DIN EN13501-1).

The Burke fire protection panel thus opens up completely new possibilities for architects and planners in terms of design and function. The various surface coatings allow it to be used in all sectors where fire protection measures and surface protection are required (e.g. airports, hospitals, shipbuilding, concert halls, etc.)



Surface: Microlaminate

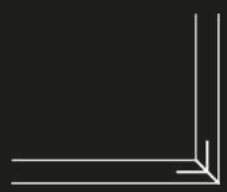
Surface: Oak veneer (real wood)

Corner solutions

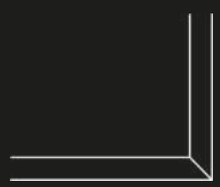
Inner corners

The panels are butt jointed.

Outer corners

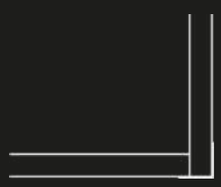


the panels are each mitred and joined together with the help of a Y-profile. The Y-profile has a pilaster strip, which protects the edge against impact over the entire length.



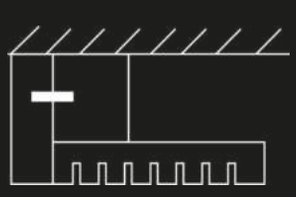
The panels are mitered and glued together.

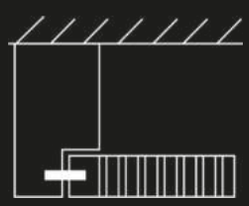
The panels are butt-jointed.



An L-angle profile, which can be visibly screwed or glued, serves as edge protection.

Solutions for ceiling ends





The edge profiles are simply set into the groove with an external tongue and glued if necessary.

Clip - mounting (wall and ceiling)

Installation of the substructure (sub structure) and the sound absorbing wool (insulation wool)

Distance between battens approx. 500-600 mm

Installation on the ceiling is identical.

Installing the panels (shown here vertically)

The panels are fixed in the groove with the installation clips, as shown next, or stapled through the groove with a staple gun.

Installation on the ceiling is identical.

Note:

We recommend planning a micro-gap of approx. 2-3 mm on the head ends for installation to prevent linear expansion of the panel material.

Installation clip

- Suitable for all pan-head screws up to ø 3.5 mm
- High-strength and tough stainless steel from vibration technology
- Secured against vertical slipping by special sharp claws
- 4 mm distance to the substructure, for full surface utilization of the absorber panel

Requirement: approx. 10 pieces / m² for wood materials

approx. 15 pieces / m² for mineral support (A2 materials)

Delivery: 250 pieces per VPE

Installing with the installation clips

The panels are mounted with the installation clips in the groove or stapled through the groove with a staple gun (not shown).

If metal drywall profiles are used for fire protection reasons, the installa tion clips are fastened with self-tap ping screws.

Mounting with split battens

Picture 1
The wall strips are installed on the wall at the appropriate distance (approx. 500-600 mm).

Picture 2
The split batten will be mounted to the back of the panel at exactly the same distance from the split batten mounted on the wall studs.

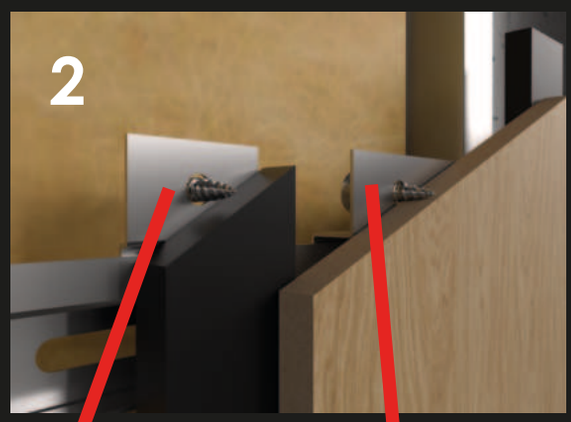
Picture 3
The panels are hung into the wall battens (on the ceiling side approx. 20 mm shadow gap for the for the suspension stroke).

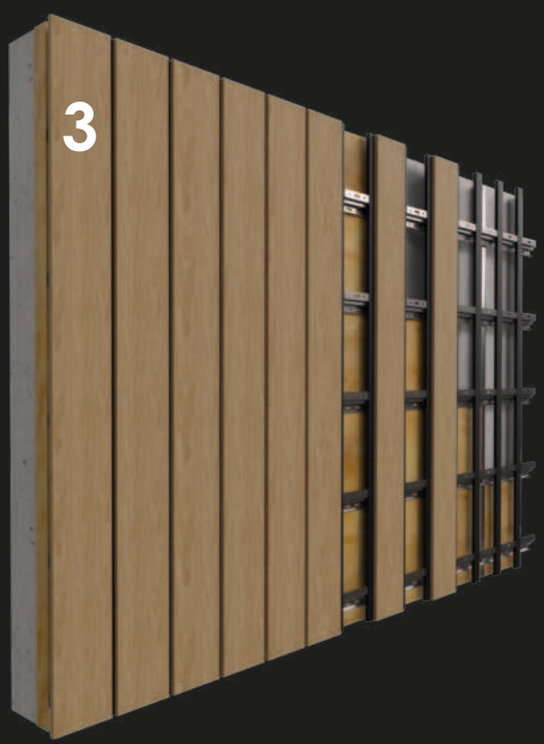
Pciture 4
Finished wall surface
(for edge finishes, see page 41)

Mounting with metal hanging rails

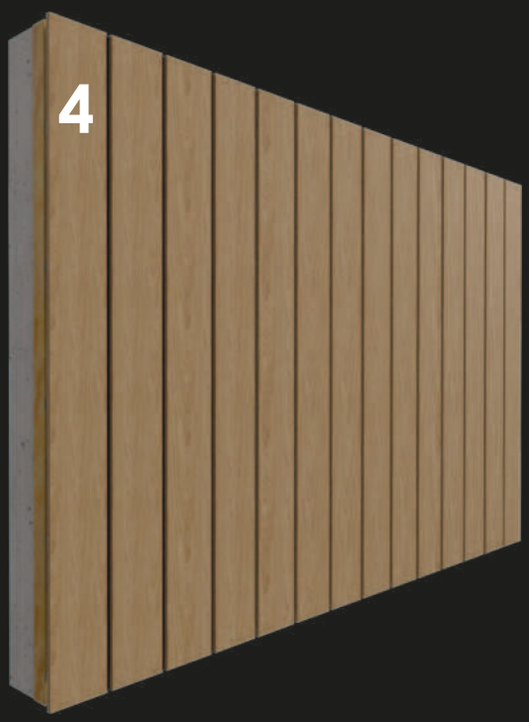
wall profiles installation
The WR21/48 wall profiles are screwed across the drywall profile at a distance of approx. 500-600 mm.

Suspension system with backed wide joint
The PR16/48 panel profiles are scre wed onto the corresponding width on the back of the the max. 16 mm thick backing and then hooked into the WL21/48 profiles.





Hanging the panels
The PR32/48 panel profiles are screwed onto the back of the acoustic panels and hooked into the WR21/48, the acoustic panels are now hanging in front of the backing.



Finished wall surface
(edge trims and corner solutions on page 41)