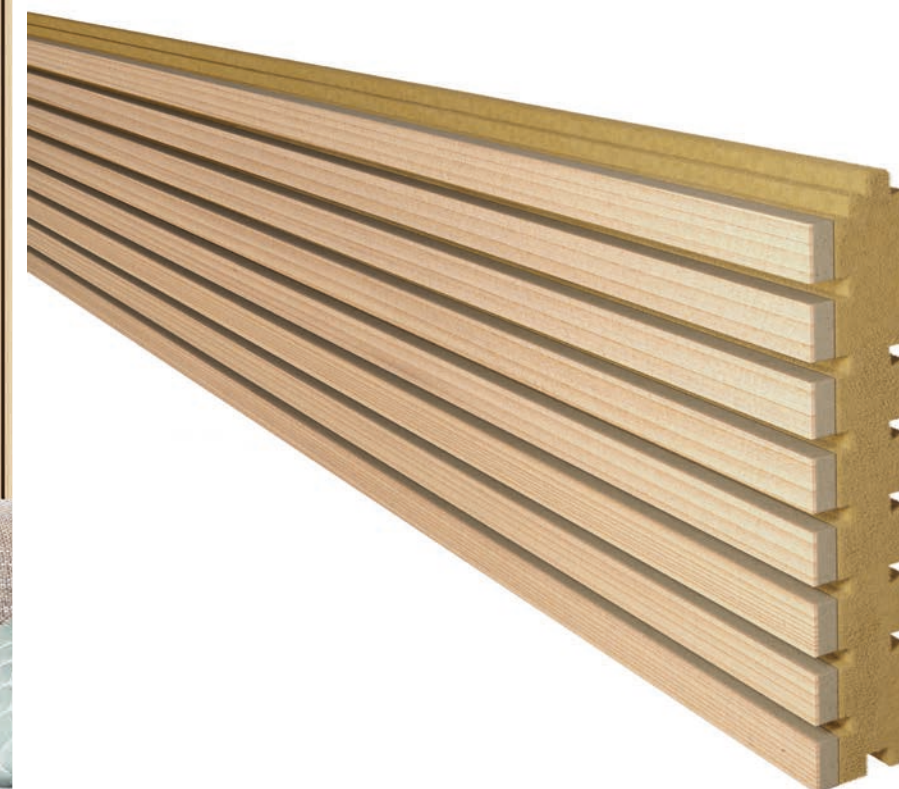


SMART LINE

COMFORT
COLLECTION

akustik*plus*



energy-
efficient
Insulation
included.

„The acoustic panel with an
integrated sound absorber
made of natural wood fibers“.

Triple savings with integrated wood fiber absorber:

- ✓ no additional insulation required → lower material costs
- ✓ easy and smart installation → saves time and labor costs
- ✓ optimized insulation performance → reduces energy and heating costs

FUNCTIONALITY & DESIGN



acoustically
efficient
Proven optimized
sound.



sustainable
materials
Ecological and natural
raw materials.



made in
Germany
Quality
you can hear.

With the **smartline**, we present acoustic panels that skillfully combine functionality and natural design. The panels feature an integrated absorber made of ecological wood fiber. In addition to its sound-absorbing properties, it also serves as a natural insulating material, enhancing the energy efficiency of interior spaces. Together with high-quality surface finishes, the production of **smartline** relies on ecological and sustainable materials. The panels also offering installation convenience: thanks to a tongue-and-groove system within the absorber, the

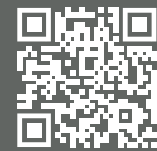
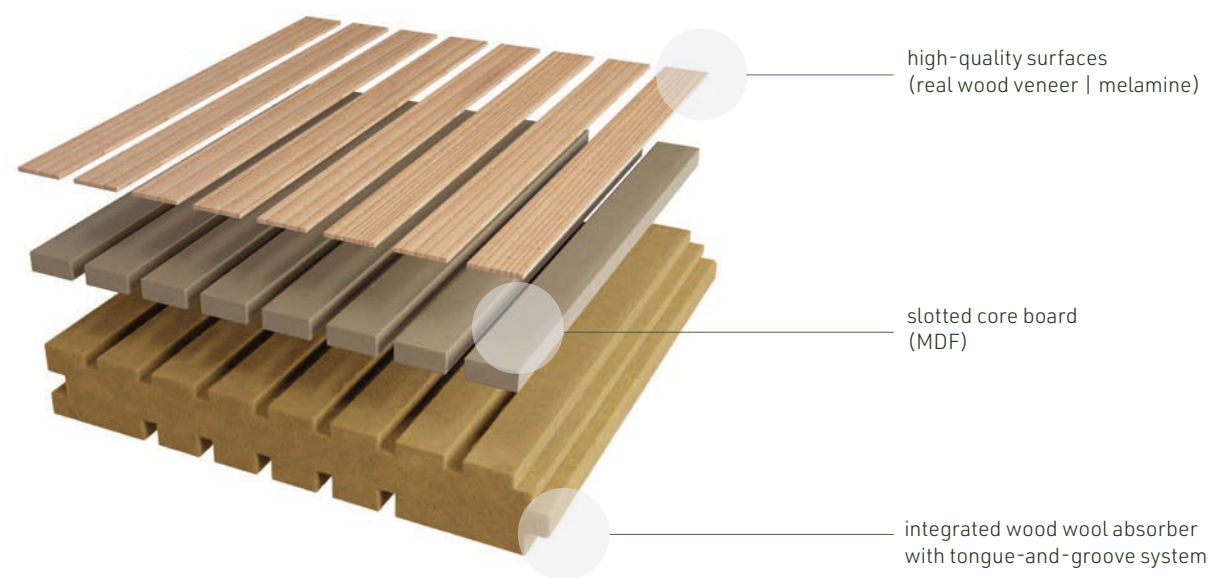
smart panels can easily be joined together. Installation can be done using adhesive (for walls) or a mounting rail (for walls or ceilings).

As an innovative acoustic manufacturer, we have combined design, spatial acoustics, and contemporary building biology considerations in a natural and functional product.

Let's think smart!



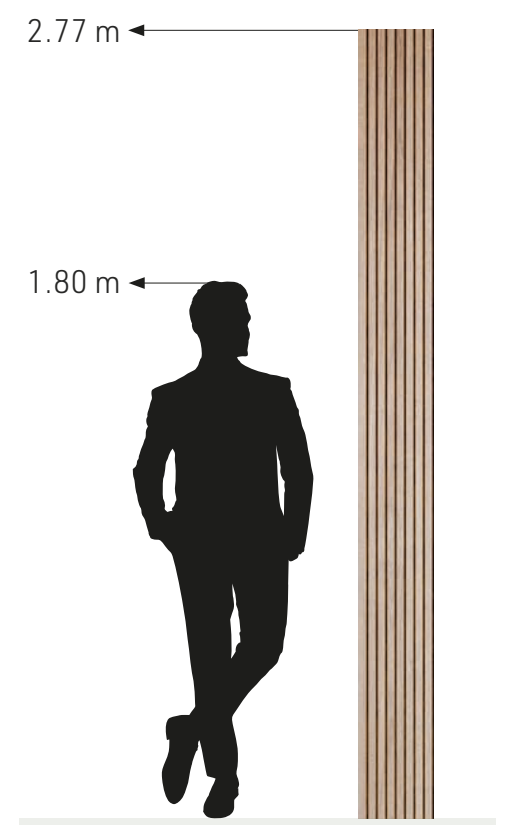
image: **smartline** 23/6 nature | white fir



data sheet
Technical
product information.

technical data

panel size:	2.770 x 184 x 36,5 mm
slotting:	23/6 (others on request)
core board:	MDF (with recycled content)
reverse side:	wood wool absorber slotted
surface:	veneer melamine
weight:	approx. 10 kg/m ²
fire behavior:	normal flammability
edges:	tongue and groove system



BEST
ROOM
ACOUSTICS



image: smartline 23/6 nature | european oak



installation method	adhesive without substructure	mounting rail with substructure
total build-up	36,5 mm	100 mm
frequency [Hz]	α_p	α_p
125	0,15	0,35
250	0,50	0,65
500	0,85	0,80
1000	0,95	0,90
2000	1,00	1,00
4000	0,80	0,85
NRC	0,85	0,85
SAA	0,83	0,85
α_w	0,80	0,85
absorber class	B	B

For optimal acoustics, sound
absorbers should be designed
primarily to efficiently dampen
mid-range frequencies.



acoustically
effective

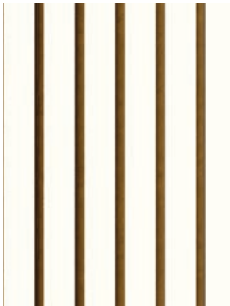
Proven, optimized
surround sound.

EXCLUSIVE VARIANTS

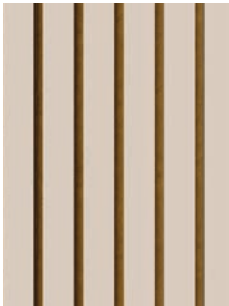


COMFORT-COLLECTION

23/6 nature



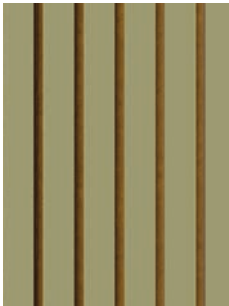
premium white
melamine



cashmere grey
melamine



cubanit grey
melamine



olive green
melamine

23/6 nature



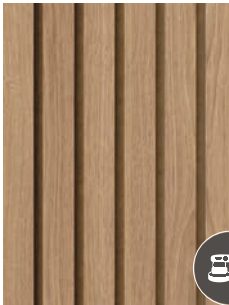
silver fir
veneer | matte finish



european oak
veneer | matte finish



silver fir
veneer | raw sanded



european oak
veneer | raw sanded

23/6 dark



silver fir
veneer | matte finish



european oak
veneer | matte finish

- ✓ best price-performance ratio
- ✓ quickly available
- ✓ veneer including finish (matte lacquered) or raw sanded
- ✓ combinable / versatile
- ✓ modern and design-oriented
- ✓ durable & sustainable



pricing
Retail prices
excl. VAT.



HOW TO PREVENT THE *MOIRÉ EFFECT* IN SLOTTED PANELS:

The smart black!

Slotted acoustic panels combine functionality with aesthetics and are frequently used in modern interiors. However, their specific structure carries the risk of producing unwanted visual effects, especially the *moiré effect*. This occurs, for example, with continuously repeating slot patterns. In slotted acoustic panels, the moiré effect can also arise when there is a strong visual contrast between the slotted surface and the underlying core material. Typically, the panel surfaces are lighter in color, while the core visible through the slots is often darker. This contrast intensifies the moiré effect, which can be distracting to the eye. This is particularly problematic in environments where calm and visual clarity are desired, such as offices, hospitality venues, conference rooms, or residential spaces.

Our solution:

To address this issue, we have equipped the **smartline** acoustic panels in the “dark” version with a special joint design.

The slots in this panel are coloured using a patented printing process. Rather than using a deep black, which would enhance the *moiré effect*, we deliberately chose a very dark grey tone.

This colouring minimizes the visual contrast between the surface and the core material.

Testing and validation:

The joint design has been extensively tested to find the optimal colour combination. Various versions were trialed in real environments to assess their visual impact. The results showed that the dark grey finish provides the most pleasant and visually appealing solution. The shade, combined with naturally occurring shadows, offers enough contrast to clearly define the slots without creating the distracting *moiré effect*.

To the human eye, this solution is much more calming and creates a harmonious integration into the room design.

See for yourself!

smartline dark



With the “dark” edition, we expand the **smartline** collection to offer a sleek, modern look featuring deep, dark joints. Although the joints are finished in an ultra-dark grey, they appear black from just one meter away. This striking contrast does not detract from the overall visual harmony.

Importantly, the “flanks” of the slotted MDF core board remain uncolored, preserving their natural tone. This thoughtful design gives the eye time to adjust to the contrast with the dark joints, creating a balanced and pleasing effect.

As a result, any potential moiré effect is greatly minimized!

image: **smartline** nature (left) und **smartline** dark (right)



EASY INSTALLATION

✓ Option A: Adhesive installation

✓ for wall applications

✓ only **36 mm** total build-up height

✓ quick and easy installation

✓ matching edge trims available

✓ straightforward handling

✓ detailed installation instructions

✓ Option B: Rail installation

✓ for wall **and** ceiling applications

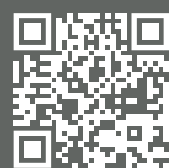
✓ only **46 mm** total build-up height

✓ smart mounting system

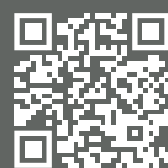
✓ matching edge trims available

✓ straightforward handling

✓ detailed installation instructions



installation guide
Detailed installation
instructions.



installation videos
See how easy
it's done.

Option A



Option B



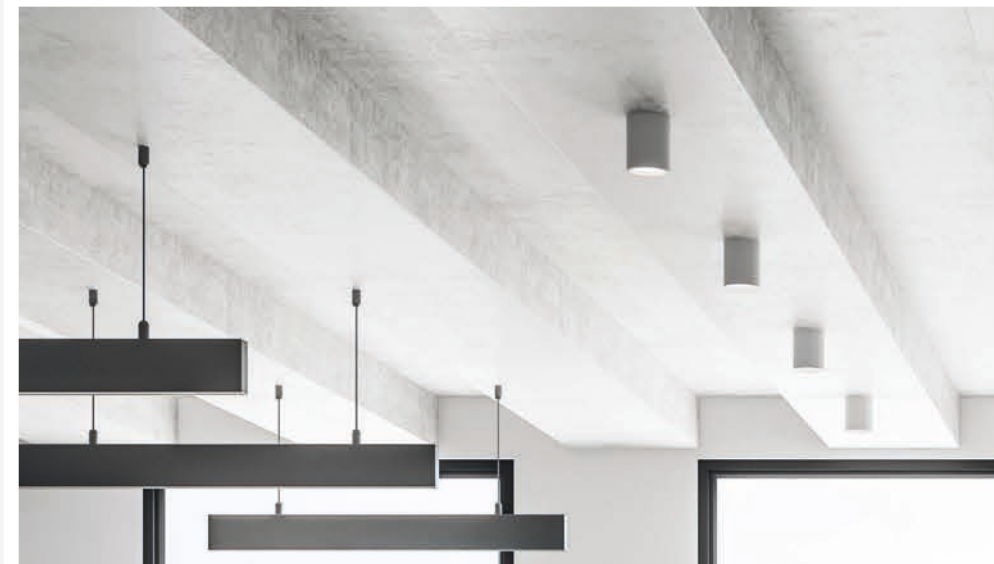
INSPIRATION

Modular by design!

Leftover pieces and offcuts are perfect for creating customised wall and ceiling absorbers. With standard tools, you can give your creativity free rein! It's not just a great way to enhance your space – it's also a sustainable choice.

By using materials efficiently, you reduce waste and make a positive contribution to environmental protection.

Get inspired and discover creative ideas for your next project!



INSPIRATION



Think beyond the walls - go overhead!

The **smartline** panels are ideal for ceiling installation. Thanks to the practical rail mounting system, the panels can be installed quickly and securely. If space is limited or you're pursuing other design concepts on the walls, this is a real advantage.



INSPIRATION



Make Contrast Work!

Acoustic panels with elegant real wood veneer create a striking contrast to exposed concrete, glass, and the clean lines of modern architecture. The natural wood appearance adds warmth and vitality to minimalist spaces, making deliberate design statements.

Whether used as wall or ceiling cladding, the combination of wood and modern materials blends functionality with style, creating an environment that excels both acoustically and visually.

Sustainability starts by protecting resources



For our future – with nature in mind!

Sustainability is a core element of the **smartline**. The acoustic panel not only delivers excellent sound-absorbing performance but also actively contributes to energy efficiency by reducing heating demand. Thanks to its insulating properties, the panel helps lower heating costs noticeably, which benefits both your budget and the environment.

The smartline is made from sustainable materials such as wood wool and fibreboard (MDF), sourced from renewable raw materials. This enables us to make an important contribution to the preservation of our natural resources.

Additionally, the panels boast an excellent product lifecycle, as they are fully recyclable. This means they can be returned to the raw material cycle at the end of their service life instead of becoming waste.



Sustainability that outperforms comparable products?

Many acoustic panels are made from solid wood materials. That sounds good in theory, but in practice—especially for ceiling installation—it's not really relevant, as the solid wood isn't visible. Moreover, it's impractical because the elements are significantly heavier.

That's why you won't find any solid wood acoustic elements in our product range. By choosing high-quality veneer, we carefully conserve valuable resources.

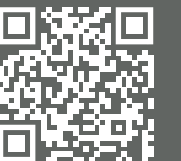
At our production facility in Stephanskirchen, we operate our own power plant. Here, we convert production residues into energy, which we use for wood drying and manufacturing processes. Any surplus energy is fed into the regional power grid. This approach not only helps us reduce waste but also lowers our energy demand in a sustainable way.

This is how we succeed in creating a closed-loop system that minimises environmental impact and conserves resources.





OUR COMPLETE RANGE
AT A GLANCE!

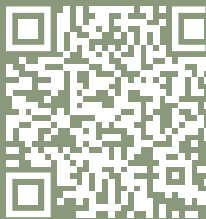


portfolio
Discover what
we offer.

GETTING IN TOUCH

akustikplus GmbH & Co. KG
Rohrdorfer Straße 133
D - 83071 Stephanskirchen

Tel: +49 (0) 8031 700-0
info@akustik-plus.com



www.akustik-plus.com/en

akustik^o*plus*