October 2026



LIGNO® Acoustic

DESIGN MEETS NATURE
REAL-WOOD ACOUSTIC PANELS

Wellbeing is a key design criterion for every building project. Indoor climate, visual design and, not least, acoustic quality all shape the atmosphere of a space. Wood as a natural material has a great deal to contribute here.

The LIGNO® Acoustic range turns the potential of this renewable raw material into a technically mature product with strong interior design appeal, providing highly effective sound-absorbing linings for ceilings and walls.

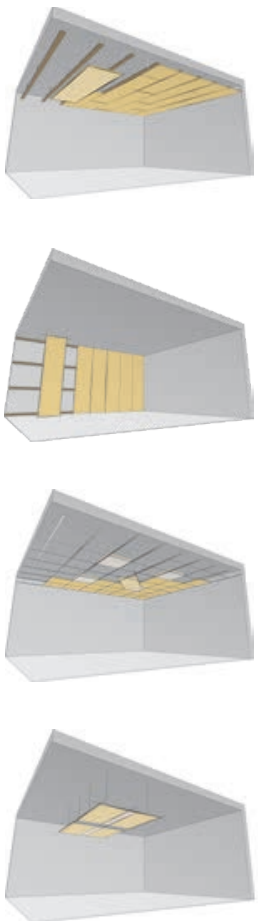
Lignotrend's production facility in the Black Forest uses natural wood and wood-fibre absorbers to make slatted panels for natural interior fit-outs with high design standards. From the wide choice of wood surfaces, the knot-free variants stand out as a design option that is understated and elegant, yet distinctive.

With a broad range of variants and solutions, the large-format Pro acoustic panels (2940 mm × 625 mm) and the smaller home version (1455 mm × 300 mm) can be used in almost any new-build or refurbishment project: from nursery to school, from open-plan office to indoor swimming pool, from sports and multi-purpose halls to restaurants and hotels.

Real wood is a principle at LIGNO® Acoustic, and the pursuit of healthy, building-biology quality is part of Lignotrend's DNA: the lightweight element core is made from natural, grown timber.

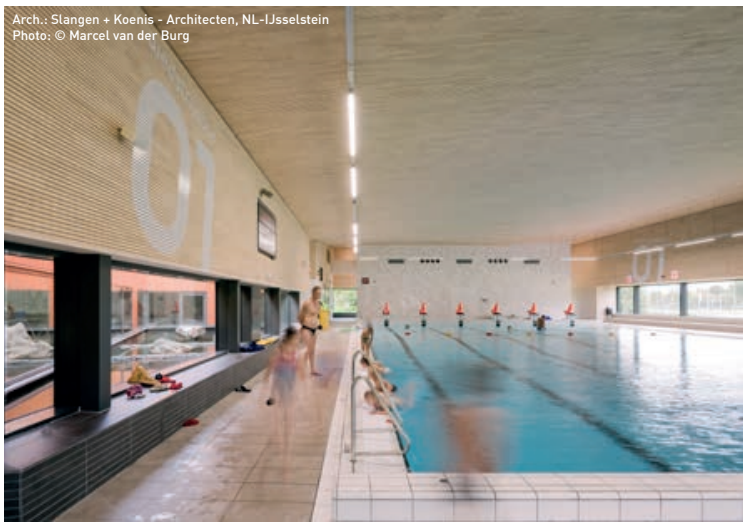


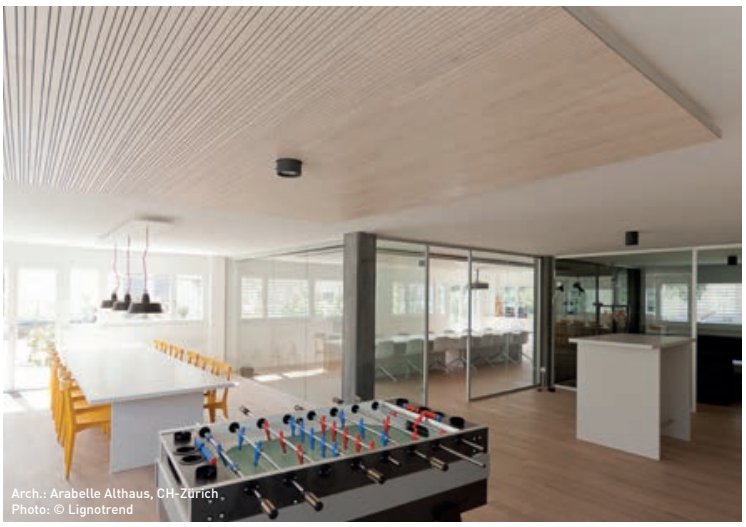
Arch.: Architekturbüro Ernesto Preiser, Waldshut-Tiengen
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Arch.: Rotterdam Dakowski GmbH, Leverkusen
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Photo: © Lignotrend

LIGNO® ACOUSTIC: MULTITALENTED
WIDE RANGE OF APPLICATIONS

The ceilings of rooms are generally the preferred place to install acoustic panels – especially if you're planning to **completely encase** the loadbearing construction. Conveniently, the ceiling area also often matches the amount of absorber that is calculated for achieving good room acoustics.

It's also possible to strategically limit the insulation to **certain ceiling areas**, for example to prevent or reduce sound reflections.

When greater flexibility is required, like for solutions involving grid ceilings, cut-to-size LIGNO® acoustic panels are a good choice.

To allow air to circulate (for example, with thermally activated components), **ceiling sails** or vertical **baffles** can also be fashioned with LIGNO® Acoustic and suspended on cables from the raw ceiling.

Alternatively, the panels can be used as **wall coverings**. This can be a good idea in order to:

- avoid covering the ceiling for aesthetic reasons or to optimise the indoor climate,
- prevent flutter echoes,
- move the acoustic absorber closer to sound sources in high-ceilinged rooms or
- achieve effective sound baffling.

In all of these cases, LIGNO® Acoustic is a robust alternative which, when equipped with an appropriate backing structure, even resists balls being bounced off it.

new from 2027

A NEW ORDER FOR DESIGN VARIETY

FROM REFINED / LIVELY TO SUBTLE / UNDERSTATED

Wood collections

White fir – Lignotrend's speciality –, spruce, oak or Individual (further species from maple to Swiss stone pine).

Within each species, one or more selections can be chosen, differentiated by variation in lightness, grain pattern and colour variation:

- **PURE**
  knot-free, refined and lively
- **NUANCE**
  knot-free, characterful and natural
- **PREMIUM**
  knot-free, particularly understated
- **PURE ONE**
  knot-free, continuous lamella
- **AURA**
  distinctly knotty

Wood texture

Surface brushed, sanded smooth or rough-sawn.

Reaction to fire

Optionally with flame-retardant surface.

Profile

Different slat and joint widths.

- **regular**-profile – uniform structures
- **nature**-profile – irregular slat widths with no discernible pattern repeat
- **nature:3D** – structures withvarying slat heights

Finish

Also available with stain, lacquer or oil:

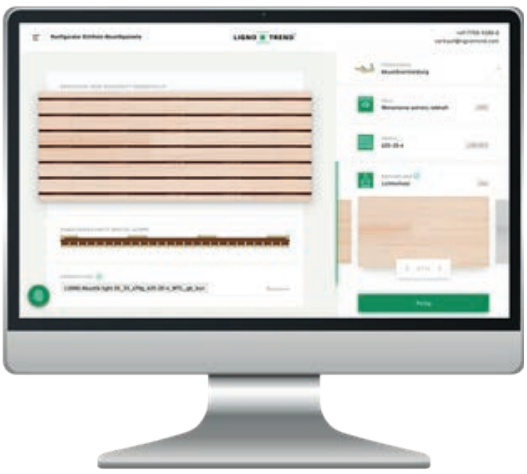
- **raw** (untreated)
- **transparent** (e.g. with UV protection)
- **medium** (grain shows through)
- **intense** (almost opaque)
- **opaque** (full colour, e.g. RAL/NCS)
- printed motifs and special finishes

FINDING THE RIGHT VARIANT, MADE EASY

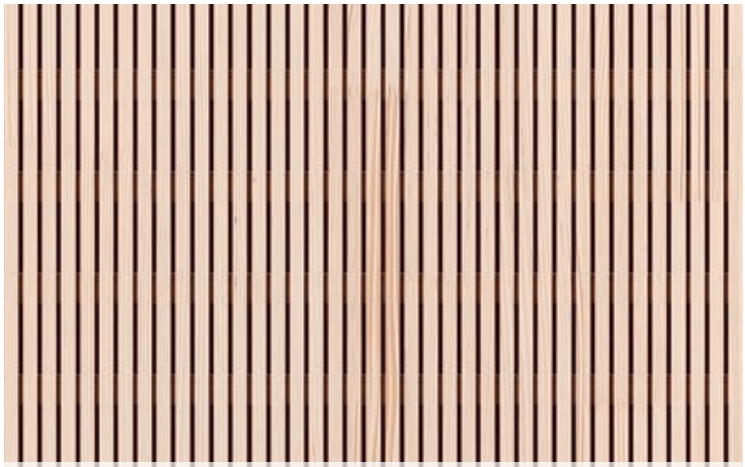
ONLINE CONFIGURATOR

The product configurator lets users make their own design choices for the LIGNO® Acoustic panels in their project.

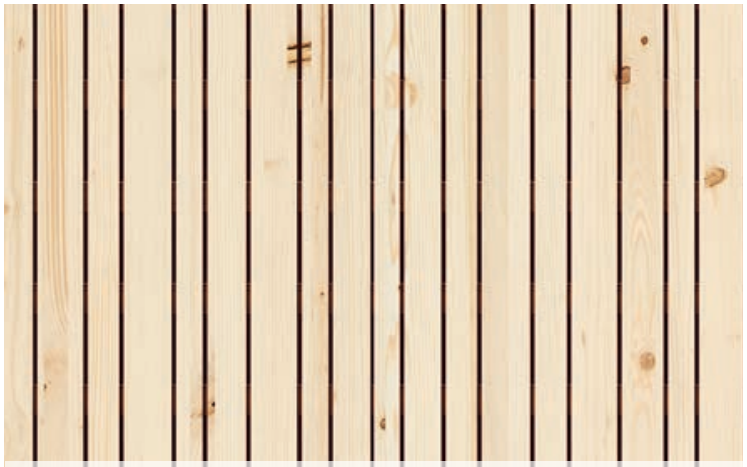
Element type, wood species, selection and finish are matched to one another, taking into account technical constraints, sensible visual combinations and fire safety requirements, and translated into a unique product code.



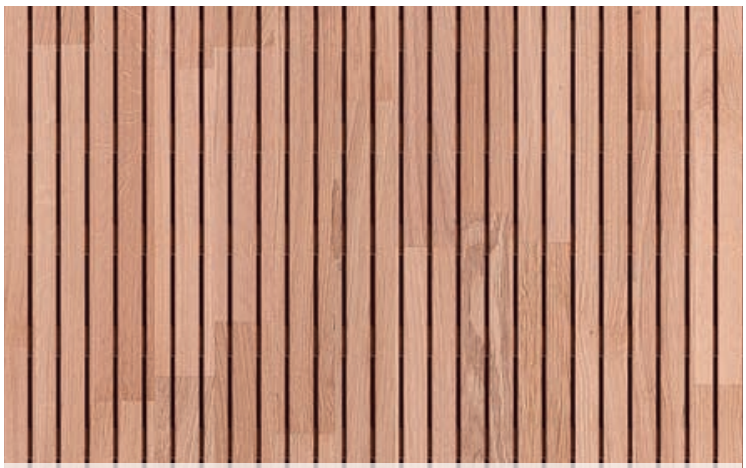
www.lignotrend.com/configurator-acoustic



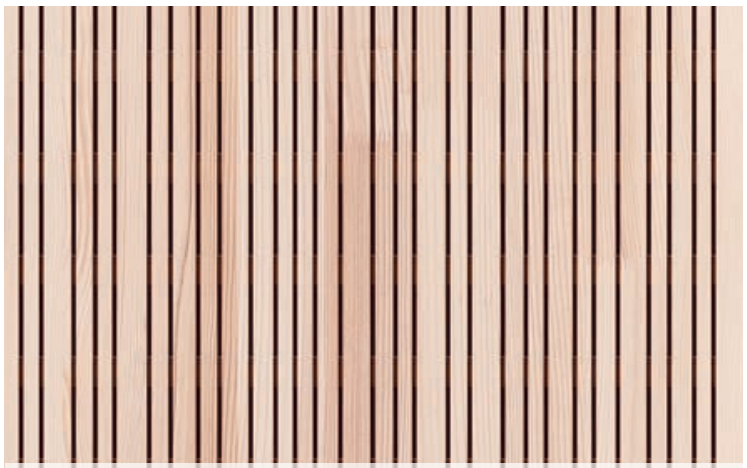
Silver fir knot-free PURE **_WT**
regular-profile: **_625-12-4** Treatment: **UV-protection stain _buv**



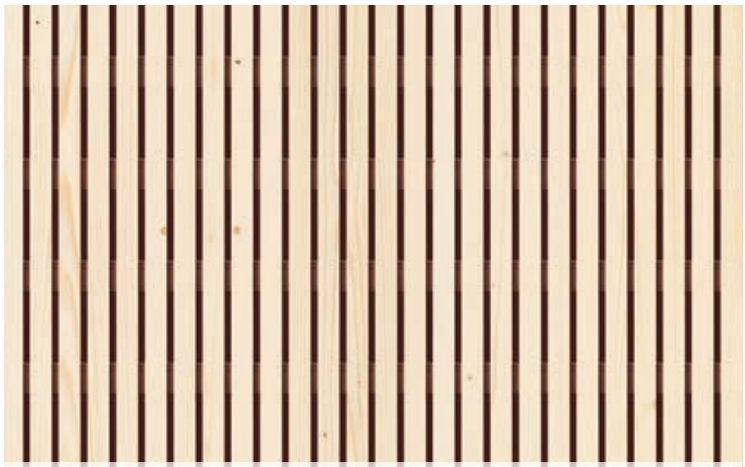
Silver fir knotty AURA **_WTA**
nature-profile: **_625-22n40-4** Treatment: **Untreated _b0**



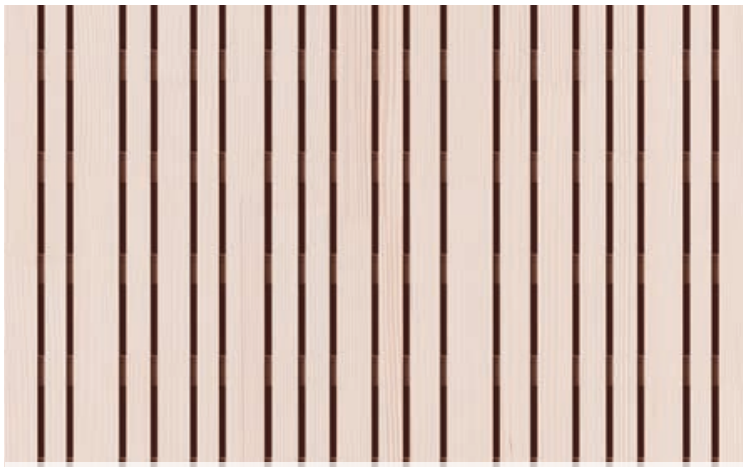
Oak knot-free PURE **_EI**
regular-profile: **_625-20-4** Treatment: **Untreated _b0**



Silver fir knot-free NUANCE **_WTN**
nature-profile: **_625-12n25-4** Treatment: **UV-protection stain _buv**



Spruce with knots AURA **_FIA**
regular-profile: **_625-18-6** Treatment: **UV-protection stain _buv**



Silver fir knot-free PURE **_WT**
nature-profile: **_625-18n38-6** Treatment: **Lacquer white _bl-w20**



Silver fir knot-free NUANCE **_WTN**
regular-profile: **_625-44-4-F** Treatment: **Untreated _b0**



Silver fir knot-free PURE **_WT**
nature-profile: **_625-12n25-4:3D** Treatment: **Untreated _b0**

NATURALLY EFFICIENT
EFFECTIVE ROOM ACOUSTICS

LIGNO® Acoustic panels come with absorber material integrated at the factory. The **_a70g** absorber configuration uses coarse wood fibre that is non-respirable: no mineral fibre and no synthetic felt.

Performance is on a par with conventional systems. A large catalogue of tested panel and suspension configurations is available, with weighted sound absorption coefficients α_w of up to 0.80, or 0.90 with an additional absorber. Absorption is broadband, i.e. sound is also absorbed at lower frequencies.

To avoid over-damping, the low-absorption **_a10g** element configuration is available. It has the same visual appearance, but limits the α_w value to 0.30.

LIGNO® Akustik Pro

Large format panel
(2940 mm x 625 mm)



Type „light“ 3S_33
standard version



Type „light“ 3G_33
version with closed backing
(e.g. flame-retardant)

Type „Sport“ 3G_33
robust version with closed backing



Type „curved“ 3C_33
bendable version,
delivered flat

LIGNO® Akustik

Small format panel
(1455 mm x 300 mm)



Type „home“ 2V_25
for smaller projects

HEAR THE DIFFERENCE
ONLINE CALCULATOR

The Lignotrend acoustic calculator is a valuable tool for making the case for acoustic measures. It auralises the acoustic effect in the room, i.e. makes it audible. Even at early concept stage, the tool lets you calculate the effect of acoustic measures and judge it by ear.

FLEXIBLY ADAPTED
CONSTRUCTIONS





LIGNO® Acoustic panels are “invisibly” attached using special screws with narrow heads that disappear in the back of the acoustic slots. They also come in a highly corrosion-proof version and a version for metal substructures. Specially modified staplers are available for efficiently installing panels over large surfaces.



The way to achieve high-quality surfaces is with a flat, levelled support structure, which typically runs parallel to the panel. Its design and dimensions are precisely defined and tested for specific applications. The following types are used:

- Simple wood battens
- Suspended or cross battens
- Combined metal-grid and wood battens
- Bouncing walls to minimize injury to athletes that strike them



You’ll find a comprehensive collection of relevant test certificates, catalogues, technical and CAD data and much more here:

www.lignotrend.com/downloads



www.lignotrend.com/acoustic-calculator

PERFORMANCE

LIGNO® ACOUSTIC FOR PUBLIC BUILDINGS

Schools and nurseries are typical examples of facilities in which room acoustics play an important role. In these environments, it's essential to manage noise levels and reverberation properties - keeping them both low enough to allow good voice communication – while also ensuring favourable building biology. Good acoustics are also vital in larger public structures such as halls, auditoriums and multipurpose halls.

LIGNO® Acoustic, thanks to the optionally available **highly flame-retardant** wood surfaces, is excellently suited for meeting relevant fire protection requirements in buildings where people come together.

Lignotrend acoustic panels are also a great choice for making robust, ball-proof constructions for sport centres and halls. LIGNO® Acoustic Sport in particular, in conjunction with a force-reducing substructure, is ideal for **bouncing walls** in basketball and handball courts etc.

Real wood panels are also used around **indoor pools** as the humidity levels there don't harm the wood. The supporting structure must be built with special corrosion-proof components, however.

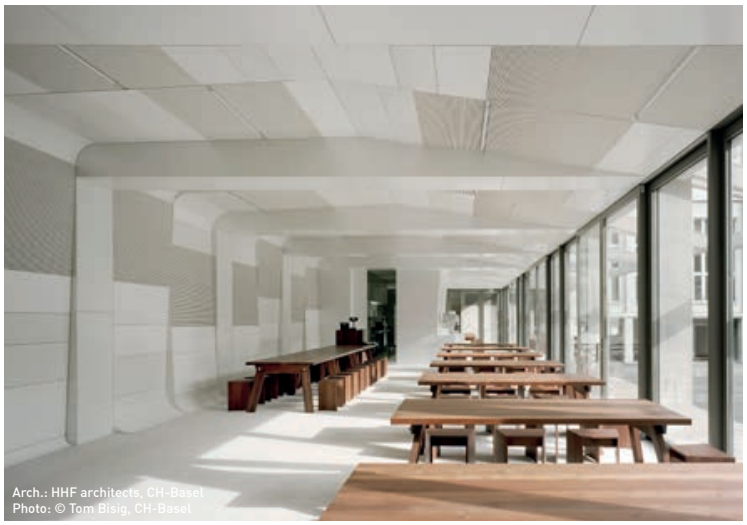


Arch.: Korteknie Stuhlmacher Architecten, NL-Rotterdam
Photo: © Luuk Kramer photography & film



Arch.: gäbele & raufer architekten BDA, Donaueschingen
Photo: © bernhard strauss photographie, Freiburg

www.lignotrend.com/nursery
www.lignotrend.com/school
www.lignotrend.com/hall
www.lignotrend.com/indoor-pool



Arch.: HHF architects, CH-Basel
Photo: © Tom Bisig, CH-Basel



Arch.: Lanz · Schwager Architekten BDA, Konstanz
Photo: © Barbara Schwager, Konstanz

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LIGNO®





Arch.: S4 Architekten, Waldshut-Tiengen
Photo: © Foto & Design Gröber, Waldshut



Arch.: Sauerbruch Hutton, Berlin
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FEEL-GOOD ENVIRONMENTS

LIGNO® ACOUSTIC FOR COMMERCIAL BUILDINGS

In offices (and especially open-plan offices) and production facilities, employees perform better in consistently quiet conditions. The quality of their work and their overall satisfaction levels increase when acoustic stress is reduced.

Lobbies, restaurants and all kinds of exhibition spaces benefit from keeping noise and echoes to a minimum. A quiet ambience encourages guests and visitors to relax and stay longer.

www.lignotrend.com/office

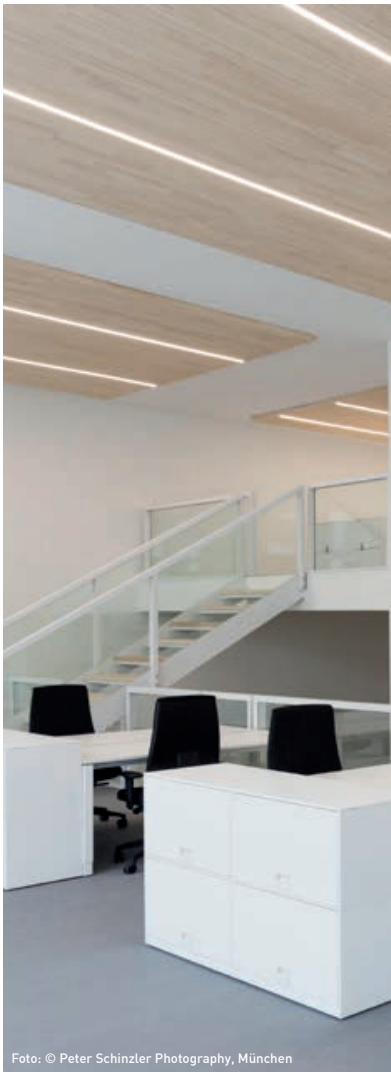


Foto: © Peter Schinzler Photography, München



Arch.: Cino Zucchi Architetti, IT-Milano & rgastudio, IT-Milano
Foto: © Michele Nastasi

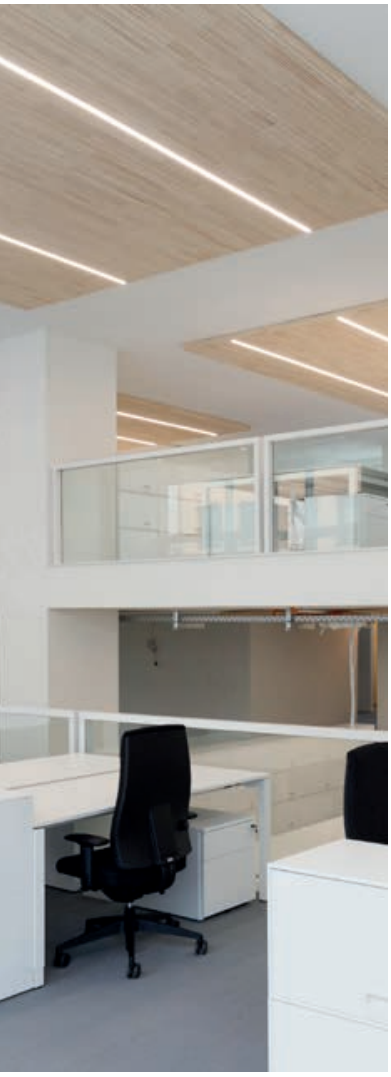


Arch.: Ludescher + Lutz Architekten, AT-Bregenz
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Architekturbüro Ernesto Preiser, Waldshut-Tiengen
Foto: © Foto & Design, Waldshut-Tiengen

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Architektur: Snøhetta Studio Innsbruck GmbH, AT-Innsbruck
Foto: Christian Flatscher, AT-Innsbr





Architektur: C+ INTERIOR DESIGN, Stuttgart
Foto: Michael Mesick, Rottenburg am Neckar

HOW DO YOU FEEL?

LIGNO® ACOUSTIC IN HOUSING AND RESTAURANT CONSTRUCTION

It isn't only large buildings that pose acoustic challenges.Even in small spaces, the ambience can suffer as a result of reverberation. If the furniture is unable to absorb sound and there aren't any other textiles present that could help attenuate it, a living space quickly becomes unpleasantly loud. In an environment where we ought to be able to relax, animated conversation or playing children then create a stressful racket.

This in itself is reason enough to pay attention to room acoustics, especially in private homes, restaurants and hotels.

www.lignotrend.com/living
www.lignotrend.com/gastronomy



Arch.: Ernesto Preiser, Waldshut-Tiengen
Foto: © Foto&Design, Waldshut



Foto: © Lignotrend



Arch.: motorlab, Mannheim
Foto: © Olivier Pol Michel, Köln

CERTIFIED AND TRANSPARENT
INDOOR QUALITY, ENVIRONMENTAL DATA

For LIGNO® Acoustic, testing of environmental properties is given just as much weight as technical performance, and the results are openly available.



The Environmental Product Declaration (EPD) to ISO 14025 (LIG-20260431-IBC1-DE and -20260430-IBC1-DE) as well as the listings in the DGNB Navigator and the Swiss ecobau/ecoBKP register provide the basis for assessing the sustainability of buildings. According to their criteria, LIGNO® Acoustic is rated in the highest categories there ('recommended' / 'very suitable' for sustainable building).

Reg.-Nr. OZ5NI5 / D06GDK

Reg.-Nr. 202503.14312

Independent laboratories regularly carry out further tests and assessments.



- Continuously certified by natureplus® since 2006 (No. 0211-0606-014-1)

  Independent laboratories and institutes carry out testing on behalf of natureplus. Award guideline RL 0211 sets ambitious requirements covering everything from the origin of the wood and the production processes to performance and potential emissions into indoor air.



- Testing of surface-treated variants by the Institut für Baubiologie Rosenheim (No. 3025-1480)

  To ensure that the building-biology properties are not impaired by the surface finish, the fully finished panels are tested.

- PEFC certification (HW-PEFC-CoC-0336-25, credit method)

  The chain-of-custody certification covers Lignotrend's production. Under the credit method, it is verified that wood from PEFC-certified forests was purchased for the products sold as PEFC-certified. Forest management there is independently audited against PEFC standards.



FOR DYNAMIC CURVES

LIGNO® ACOUSTIC CURVED

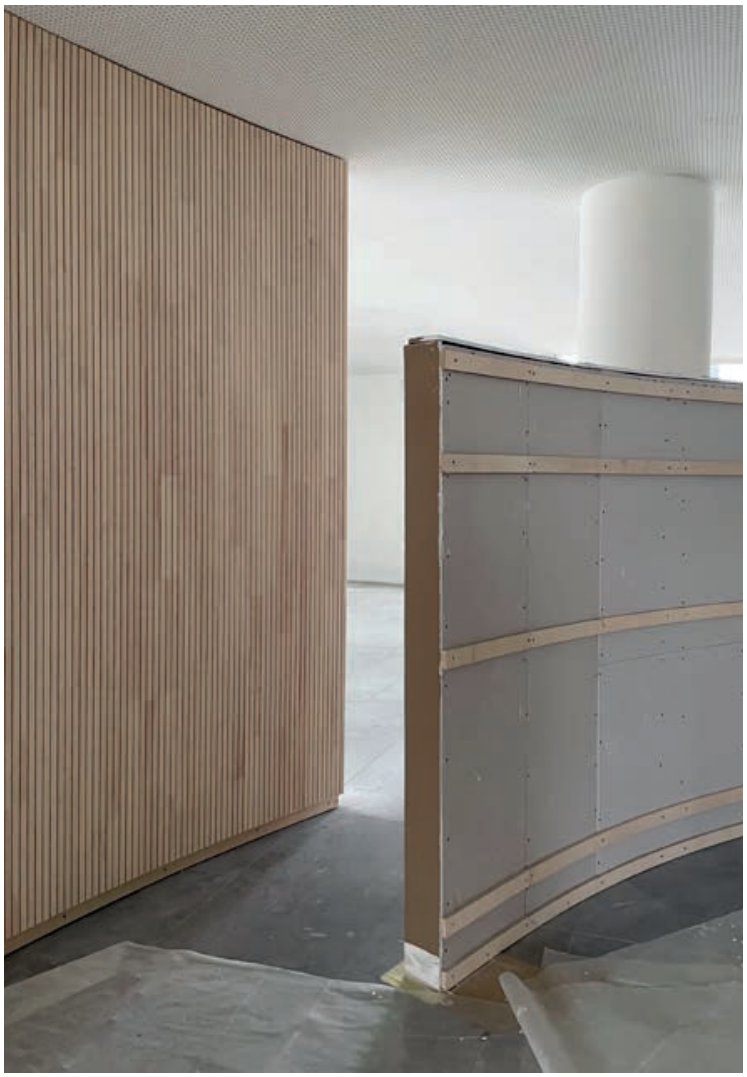


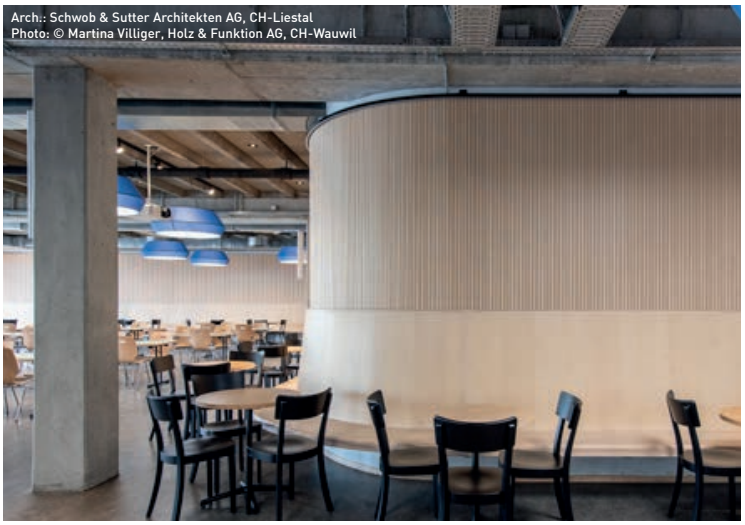
Some interior design concepts embrace organic, flowing shapes to evoke a sense of natural harmony. Traditionally, such structures could only be crafted from wood using artisanal methods, involving labour-intensive processes such as the manual attachment of individual slats. Now, the **new panel alternative LIGNO® Acoustic curved is available** to meet this demand.

With the 3C_33 type, the otherwise rigid flat panels gain slight flexibility thanks to a modified construction in the transverse direction. This allows them to be applied as gently curved surfaces, with radii starting from 1,000 mm, either concavely or convexly over a correspondingly rounded substructure.

Selected types of wood and profiles are approved for this application: knotless silver fir or oak, with options including a uniform profile featuring 20 mm wide slats, and an irregular nature-profile with slats varying between 22 and 40 mm in width. With LIGNO® Acoustic curved, designers can now bring their visions of nature-inspired interiors to life with greater creative freedom and precision.

www.lignotrend.com/en/curved




Arch.: Schwob & Sutter Architekten AG, CH-Liestal
Photo: © Martina Villiger, Holz & Funktion AG, CH-Wauwil


Arch.: K9 ARCHITEKTEN BDA DWB, Freiburg
Photo: © Janik Gensheimer, Freiburg

COMPLETE
LIGNO® ACOUSTIC – THE SYSTEM AND ACCESSORIES

Acoustic panel **Type 3S_33**
for standard applications



Acoustic panel **Type 3S_39**
for 3D profile



Acoustic panel **Typ 3G_33** with
enhanced robustness
and reduced flammability



Edge strips with rebate
for termination



UV-protection stain
to prevent darkening



Grid ceiling blanks



Substructure



Special fastening screws



Compressed air staple gun
(also in rental)



Supplementary boards



LED light strips
for integration



Inspection door frame
and cover for inspection flap



www.lignotrend.com/accessoires

made of LIGNO®

PROFESSIONAL SUPPORT

If wished, Lignotrend will support you for implementing the best possible timber construction solution, right from the planning phase. If you're a planning office or wood-processing operation, you can tap into the competence of experienced consultants – either on site at your facility or by videoconferencing, which makes it easy to share screens in order to view and discuss things together. We'll support you for turning your creative ideas into high-quality timber construction projects!

Project-specific support for timber construction

- In the design stage with pre-dimensioning
- For getting answers to questions about construction details or ideas
- On aspects of building physics such as fire protection and acoustic insulation
- Complete advice on room acoustics
- With reference prices and initial cost estimates
- For drawing up a quotation
- For getting answers to questions on use

Are you already working on a specific project and would like to discuss the use of our modules in detail with an expert? Or would you like to make a date to familiarise yourself with the creative possibilities, construction-related aspects and building physics of our Lignotrend components with no further obligation on your part? Our timber construction experts serve all of central Europe. Get in touch for a talk between equals – from planner to planner!

www.lignotrend.com/consulting



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