

Lamellas with Gypsum
Core and Wood Veneers

Lindner RIBline

Lindner RIBline

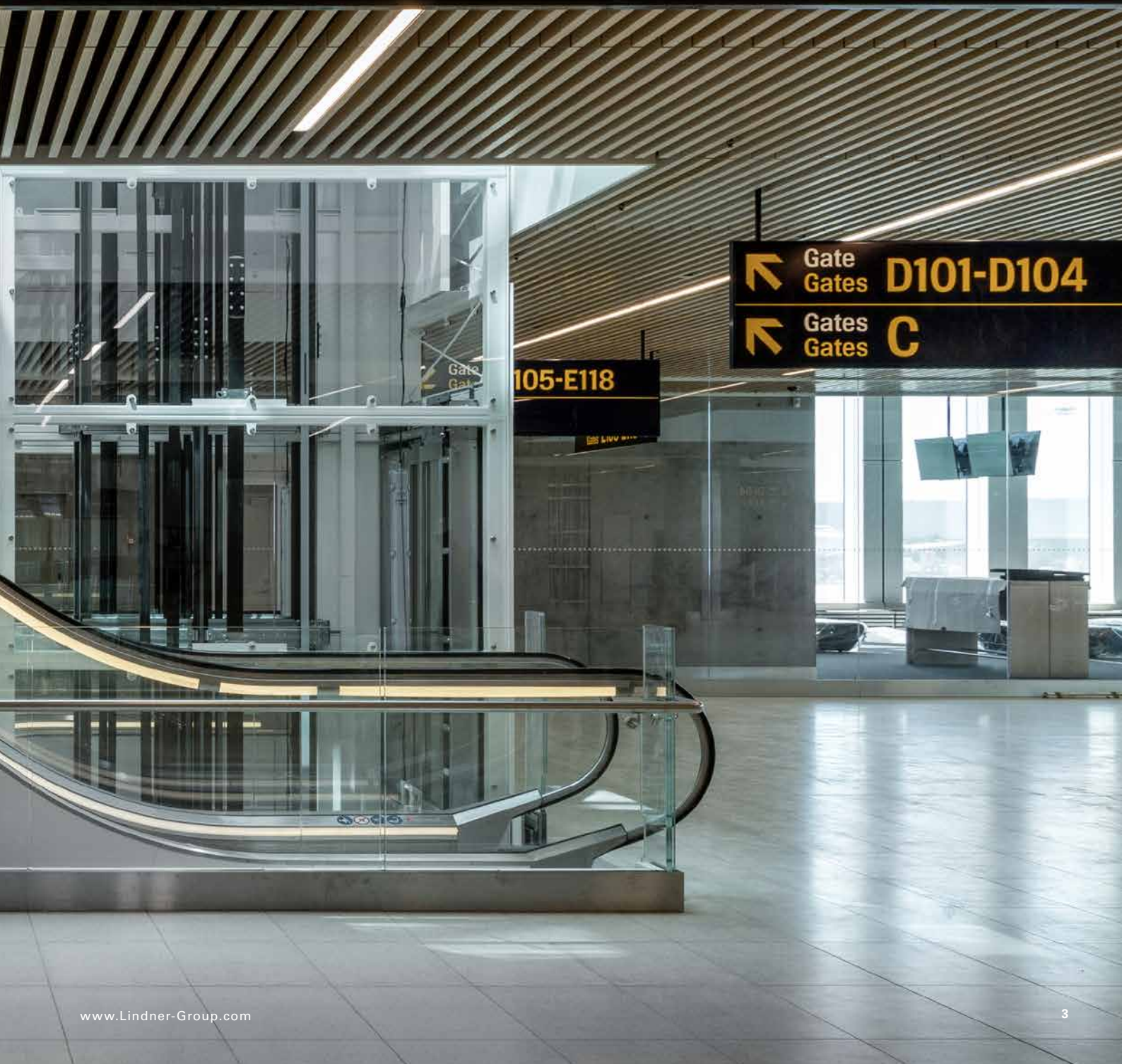
Sustainable Gypsum Core Meets Noble Wood Veneer

The feeling of a wooden environment is soothing compared to other claddings. Eventhough our product is mainly made out of recycable gypsum, the real wood veneer on the surface ensures a warm and noble energy in every room – at the same time, prevents cutting down new trees.

- meets IAC and AgBB standards for VOC and formaldehyde emissions
- FSC® certified wood veneers
- reaction to fire: B-s1, d0 (acc. to EN 13501-1)
- huge variation of veneers: real wood and engineered wood (more info at page 8)
- easy installation process



 Gate
Gates **E125-E135**





In the Heart of Nature

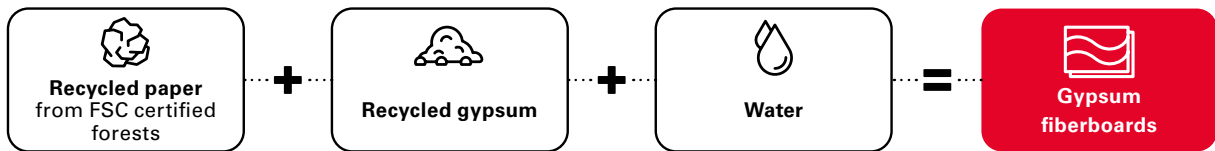
New Solutions that Combine Sustainability, Design and Comfort

For People and the Environment

Sustainable Gypsum

FGD gypsum, which is used in the RIBline, has a lot of similarities to natural gypsum such as reaction to fire and acoustical properties. The exceptional advantage of the FGD gypsum is that it is extracted from

leftovers from flue gas desulfurization – therefore, existing ecosystems won't be devastated by the mining process of nature gypsum. That also means that our core material can be reused and recycled up to 100%.



Attractive Wood Veneers

The RIBlines' quality performance is outstanding, also because of the real wood veneer: It fills the room with a warm and noble energy and is environmentally friendly at the same time.

The applied wood veneer comes from FSC® certified forests. This seal guarantees a responsible handling of forest in an environmental and sustainable way. We care about our customers and occupants, so we put a lot of effort in minute details: For example, the adhesive used for RIBline manufacturing has neutral formaldehyde emissions, thus ensuring a good indoor air quality.

- 100 % recycled core material
- real wood veneer from FSC® certified forests
- formaldehyde and VOC emissions within AgBB and IAC EU standards
- FGD gypsum as a reusable waste product can be considered equivalent in quality to natural gypsum but maintains the integrity of ecosystems
- tested for radioactivity, MDI and bio-persistence



Gypsum and Wood: It's a Perfect Match

The product will feel and look like real timber lamellas, but RIBline features another key advantage compared to real wood: Its reaction to fire. The slats show an excellent reaction to fire in order to protect the building and, more important, the lives of people in case of fire. The core material is gypsum (calcium sulphate) which does

not catch fire at all (A1 material acc. to EN 13501). In combination with our real wood veneer with a thickness of less than 1 mm, the RIBline systems are classified as B-s1, d0 acc. to EN 13501-1. Apart from standard system test results, project-specific tests can be performed upon request.

By ensuring that the ribs do not catch fire easily, fire and building safety is specifically increased. This also minimises smoke generation and prevents droplet formation, making the building area safe for evacuation in case of fire.



RIBline Solo and Panel System with a gypsum core



Reaction to fire test



Many Design Possibilities

For our RIBline timber slats, we offer veneers from real wood or engineered wood. As the name suggests, real wood veneers are made of real wood. Since it is a natural product, the veneer sheets may have unique colour gradient, grain and potentially visible knots – just like natural wood.

In addition to the natural wood appearance we can apply pigmented lacquer which adds a huge variety of colours and styles.

If you are concerned about the carbon emissions and environmental impact due to transporting exotic wood veneers, then the best alternative we can provide is engineered wood veneer. For the production of these E-veneers only fast growing wood species such as poplar, ayous and lime trees are used. The wood is cut into thin 0.6 mm pieces and then coloured to look like any veneer you desire. Unlike real wood veneer, E-veneers have a uniform look and grain because they are dyed. In addition, their colour does not fade away over a period of time which makes them particularly long-lasting. With E-veneer, it is possible to have any wood appearance without worrying about additional costs and the transportation.

Sustainability and aesthetics are often a contradiction: but not with Lindner. We offer a huge variety of different veneers and lacquers that will match your preferences and your requirements perfectly.

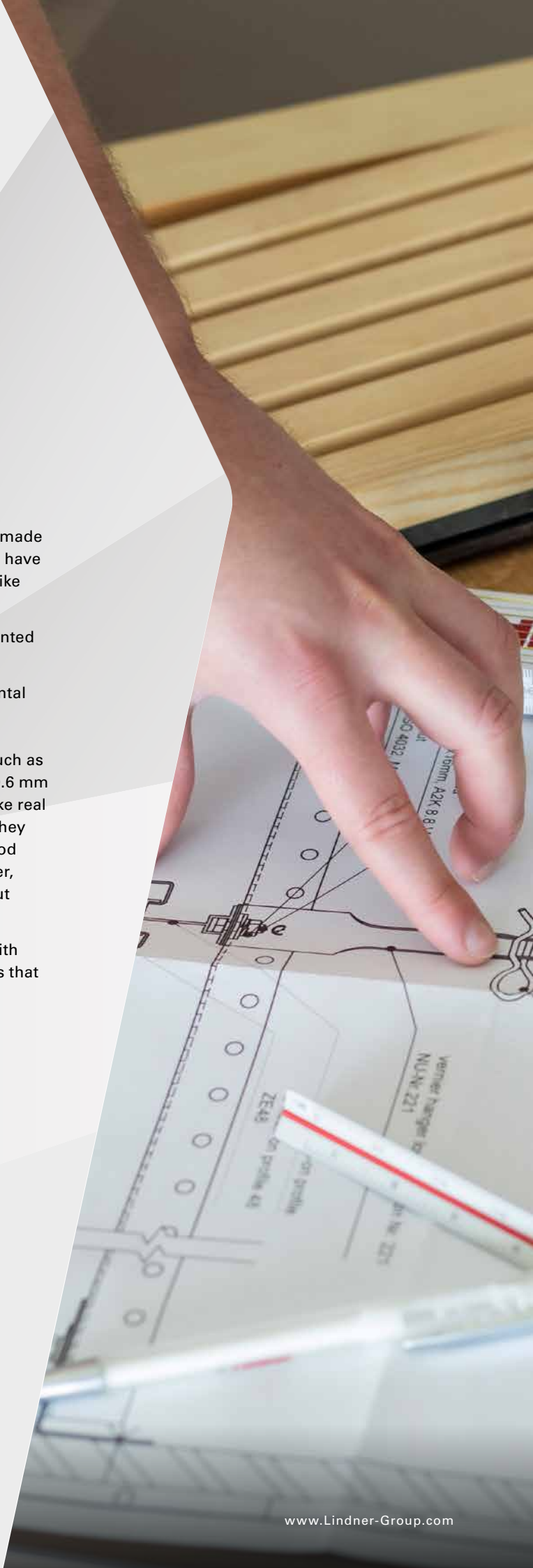
Real wood veneer

- oak
- pine
- ash
- larch
- maple
- spruce

Engineered wood veneer

- E-walnut
- E-cherry
- E-white oak
- E-larch
- E-oregon maple
- E-beech

More veneers on request.





Lindner | Bauen mit neuen Lösungen
Lindner-Group.com | Telefon +49 (0)8723/20-0





RIBline Solo System

Each system, Solo or Panel, has its individual advantages and unique characteristics. In the end, it comes down to one decision: Which system suits your requirements and the ones of your building best. RIBline Solo Systems provide total freedom for your

room design, combining maximum functionality and aesthetics. The slats will be fastened to create a new room impression. A high degree of prefabrication makes the installation process easy to accomplish.

In a range of different veneers and materials for covering the substructures, almost every design can become reality. Lindner would be more than happy to advise you in developing innovative solutions as well as for selection and planning.

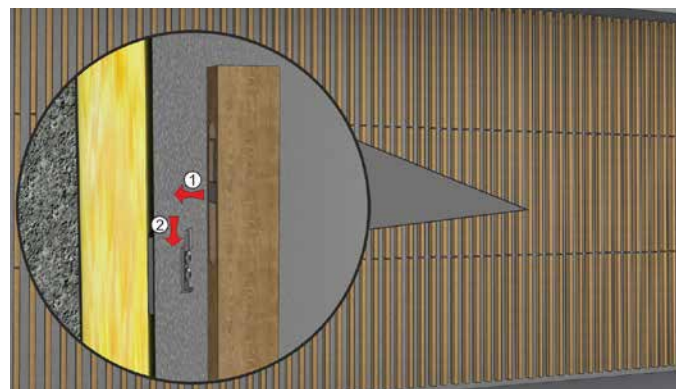
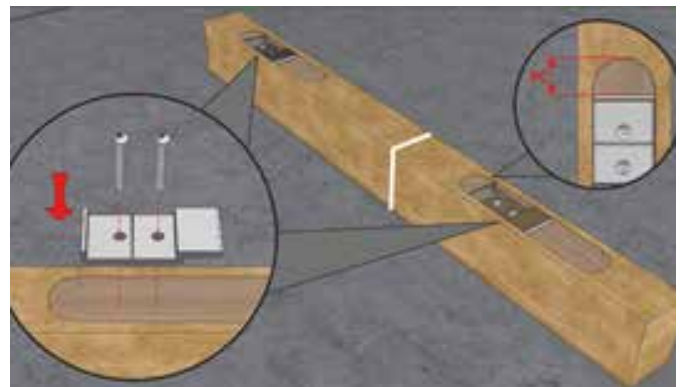
Specifications Wall

Characteristics

- Z-hooked installation: slats fixed directly on the wall
- execution up to room height possible (max. 3 m)
- fabric from recycled material

Also with Polyester Fabric possible:

- polyester fabric
- 50-60 kg/m³ density
- 20-50 mm thickness
- colour: any (upon request)



Specifications Ceiling

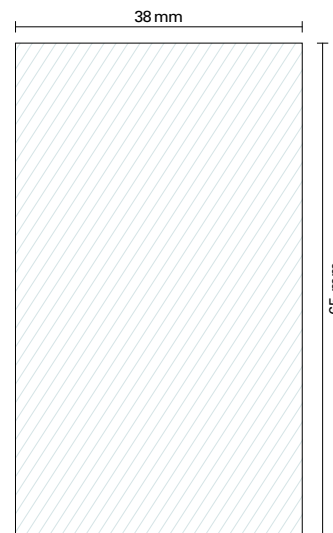
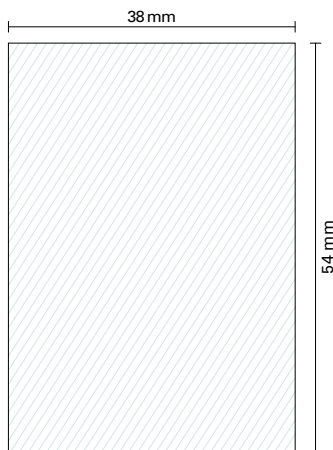
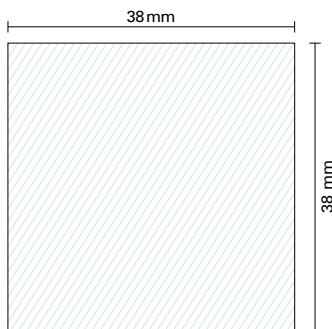
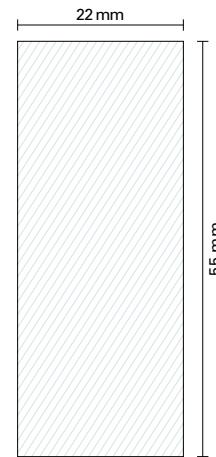
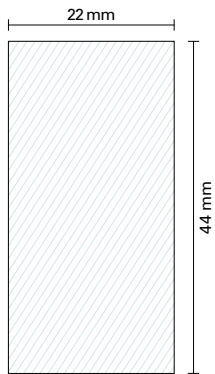
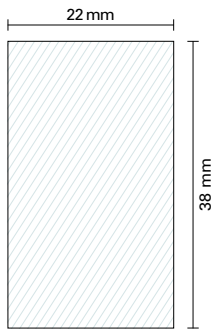
Two hooks are fixed on each side of the slats, which are then hooked on the C-profile. The C-profile is suspended by a Vernier (Nonius) hanger on both sides.



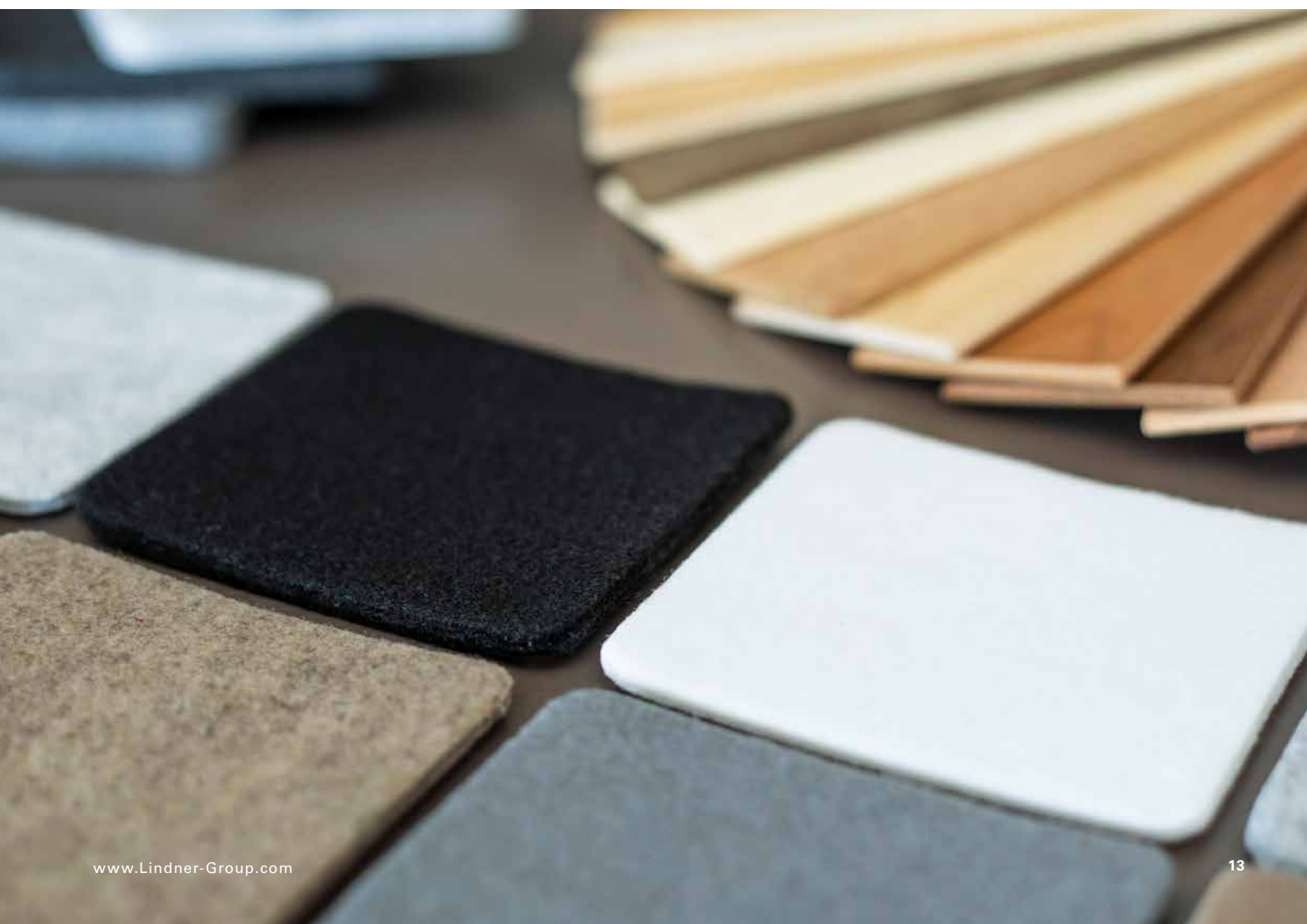
Principal Geometry (for Wall and Ceiling)

Length (L)	1,000 - 2,500 mm
Principal geometry	22 x 38 mm, 22 x 55 mm, 38 x 38 mm, 38 x 54 mm, 38 x 65 mm

Customized sizes are also available upon request.



The illustrations show the original sizes of the slats.





RIBline Panel System

An effective alternative to the Solo System, to reduce the installation time and effort, is the Panel System. While sustainability, safety due to fire reaction and appearance remain the same, the ease and time required to mount and unmount the panel is remarkable.

The Panel System is recommended for narrow rib geometries that are not suitable for the Solo System. Panels made of narrow rib geometries are lighter and can be installed by just one person.

The standard panel consists of nine slats and an acoustic tissue behind the slats, which covers the substructure and gives the Panel System a clean appearance.

With the Panel System, there is also the possibility of integrating a swing-down function. This option is useful for accessing the ceiling for maintenance and repair work. All panel options are designed with the density of the core material in mind.



Specifications Wall

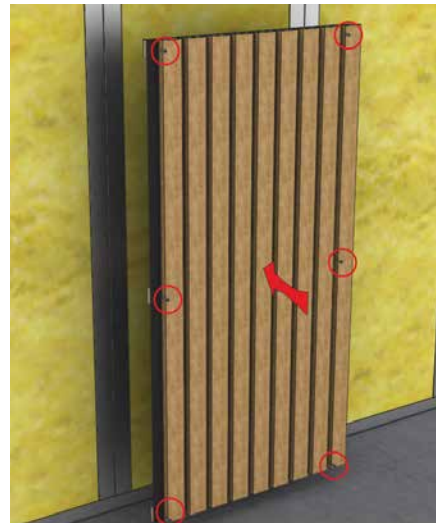
RIBline Panels for unfinished walls provide tailor-made solutions to suit your project requirements. We create a harmonious ambience with seamless transitions, so that the continuous look does not differ from a wall clad with real timber slats.

To install the panels on the wall, an aluminium profile is mounted on the wall to have a straight foundation. Then, the panels are fixed with screws that are barely visible because they match the colour of the chosen fleece.

On enquiry, we can also provide custom-made solutions like plug sockets and customized panels for doors.

Mineral Wool for Sound Absorption

The RIBline Panels will not only improve the visual appearance but also guarantee better acoustics. Mineral wool integrated in the profiles enables a warm sound in big concert halls or absorbs disturbing noise in loud areas such as classrooms.



Acoustic Textiles

	Tissue	Fabric
Weight	75 g/m ²	200 g/m ²
Thickness	0.3 mm	1.75 mm
Colour	black, white, grey	any



Specifications Ceiling

With our RIBline Panel System, you can design every ceiling you want: for standard internal areas such as offices, but also for special projects like concert halls, airports and many more. No matter for which area, the RIBline Panels combine functionality with style and can be executed in different versions – from concealed to fully accessible and swing-down ceilings.

The benefit of simplicity

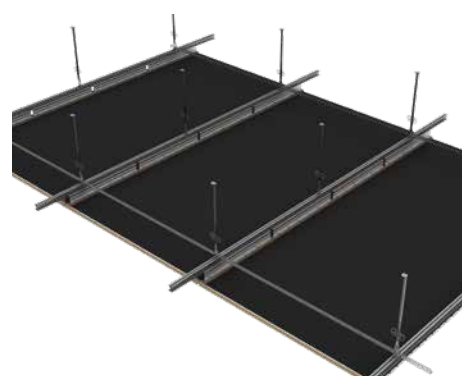
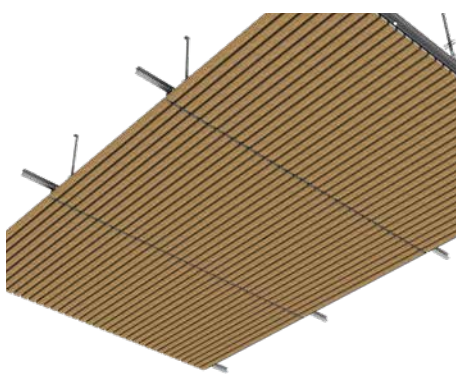
The RIBline Panel System is very easy to install: Rails are mounted across the room with a hanger that is attached to the ceiling. This results in a solid substructure. Then, the panels will be hooked to the profile next to each other. To integrate lights in your ceiling, the gaps between the slats can be used for thin neon tube lights.

Alternatively, we can provide tailor-made panels where bigger lamps can be installed.

Technical Data

Length (L)	1,000 - 1,500 mm
Width (W)	500 - 800 mm
Number of slats on a panel	5 - 10

These are just commonly used sizes. Of course, you can also choose your size individually.







Rethinking Spaces

Add.Vantage

Over time, the Lindner Group has developed into a technically strong, solution-oriented and reliable partner with an economically solid basis. Our comprehensive product and service portfolio for building envelopes, interior fit-out and insulation in almost all fields of application is second to none.

True to our motto “Rethinking Spaces” we develop perfectly customised and yet versatile solutions and concepts for your building project.

As a 100% family-owned company, we attach particular importance to our environment. With innovative concepts such as Cradle to Cradle Certified®, low-emission products and well thought-out room concepts, we create Add.Vantage for people and their environment. As a service provider and employer we place people at the centre of our activities. Our customers notice this too: We enjoy our work, have conviction in what we do and are proud of what we can achieve.

Stability and Growth

Our head office has been in Arnstorf in Lower Bavaria, where we have seen massive growth in recent decades since the company was founded in 1965 by Hans Lindner. We are proud to be the largest employer in the Rottal-Inn district with some 7,100 employees worldwide. We handle 2,500 projects on a daily basis, mostly revolving around our core business of construction. This is complemented by our foundation, the mk | hotels, microbreweries and – most recently – sustainable agriculture and forestry.



Lindner Group Headquarters | Arnstorf, Germany

Lindner Group

Bahnhofstrasse 29 | 94424 Arnstorf | Germany

Phone +49 8723 20-3696 | RIBline@lindner-group.com | www.Lindner-Group.com

Cover: Sundhedhus Helsingør, Denmark