

Lamellas with Gypsum Core  
and Wood Veneers

**Lindner RIBline**



# Lindner RIBline

## Sustainable Gypsum Core Meets Elegant Wood Veneer

Experience the calming ambiance of a wood-finished environment with Lindner RIBline. While primarily crafted from recyclable gypsum, the addition of real wood veneer on the surface delivers a warm, refined aesthetic to any space—without contributing to deforestation.

- compliant with IAC and AgBB standards for VOC and formaldehyde emissions
- available with FSC®-certified wood veneer\*
- Fire resistance: B-s1, d0 (in accordance with EN 13501-1)
- extensive veneer options: choose from real wood and engineered wood varieties (see page 8 for details)
- designed for easy installation



\*: available upon request



← Gate Gates **E125-E135**







# In the Heart of Nature

# New Solutions that Combine Sustainability, Design and Comfort

For People and the Environment

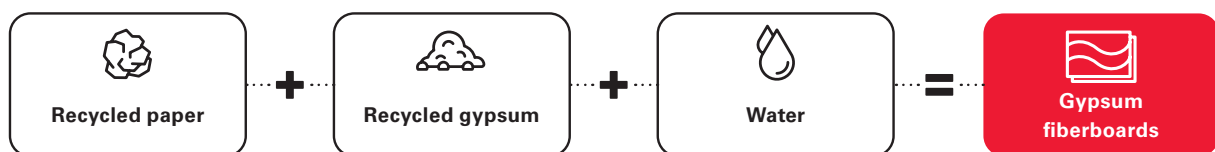
## FGD Gypsum: A Sustainable Alternative

The FGD gypsum used in RIBline offers comparable benefits to natural gypsum, including excellent fire resistance and acoustic properties. Its standout advantage lies in its sustainable origins: it is derived from the byproducts of flue gas desulfurization processes, eliminating the need for environmentally disruptive natural gypsum mining.

The gypsum core used in RIBline is not only 100% recycled but also FSC®-certified, ensuring that the entire lifecycle of the product aligns with the highest standards of sustainability and environmental stewardship. This certification underscores Lindner's commitment to responsible sourcing and sustainable practices, making

RIBline a truly eco-conscious choice for modern construction.

This eco-friendly material supports circularity, as it is entirely reusable and recyclable, contributing to a greener, more sustainable future.



## Attractive Wood Veneers

The outstanding quality of RIBline is further enhanced by its real wood veneer\*, which brings a warm and sophisticated ambiance to any space while maintaining a commitment to environmental responsibility.

The wood veneer\* used in RIBline is sourced from FSC®-certified forests, ensuring sustainable and eco-friendly forest management practices. This certification guarantees that the wood is harvested with care for both the environment and local communities.

At Lindner, we prioritize our customers' well-being by focusing on the finest details. For example, the adhesive used in RIBline production has neutral formaldehyde emissions, promoting healthier indoor air quality and ensuring a comfortable living and working environment.

- 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



\*: available upon request

# Gypsum and Wood: It's a Perfect Match

## Outstanding Fire Safety with the Look of Real Timber

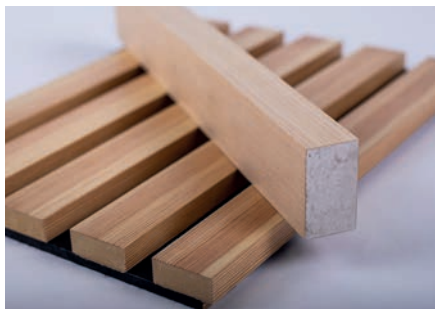
RIBline offers the aesthetic appeal and tactile feel of real timber slats, with a key advantage: superior fire performance. While traditional wood can pose fire hazards, RIBline's innovative design prioritizes safety without compromising style.

The gypsum core (calcium sulfate) of RIBline is an A1-rated non-combustible material (as per EN 13501), meaning it does not catch fire. Combined with

a real wood veneer of less than 1 mm thickness, RIBline achieves a fire classification of B-s1, d0 (as per EN 13501-1). This classification ensures:

- excellent fire resistance to enhance building safety
- minimal smoke production for improved visibility during evacuation
- prevention of droplet formation, reducing the spread of fire

For added assurance, project-specific fire safety tests can be conducted upon request, tailoring RIBline's performance to your unique requirements. By making fire and building safety a priority, RIBline contributes to safer environments and peace of mind.



RIBline Solo and Panel System  
with a gypsum core



Reaction to  
fire test







# Many Design Possibilities

At Lindner, we demonstrate that sustainability and aesthetics can coexist harmoniously. Our diverse selection of veneers, available in numerous patterns and finishes, caters to your design and project needs. For our RIBline timber slats, we provide options in both real wood and engineered wood veneers, allowing you to achieve your desired aesthetic.

Real wood veneers highlight the natural beauty of each unique sheet, showcasing varying color gradients and grain patterns that create a warm ambiance. To further enhance design options, we offer pigmented lacquer finishes in a variety of colors. For precision in design, our veneer matching techniques such as book match, slip match, and random match unlock endless possibilities.

For environmentally conscious choices, our engineered wood veneers (E-veneers) use fast-growing species like poplar and lime, dyed to resemble traditional wood. E-veneers maintain a uniform appearance without natural imperfections, ensuring a consistent and durable finish while minimizing the environmental impact associated with sourcing exotic woods.

## 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.











# 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.

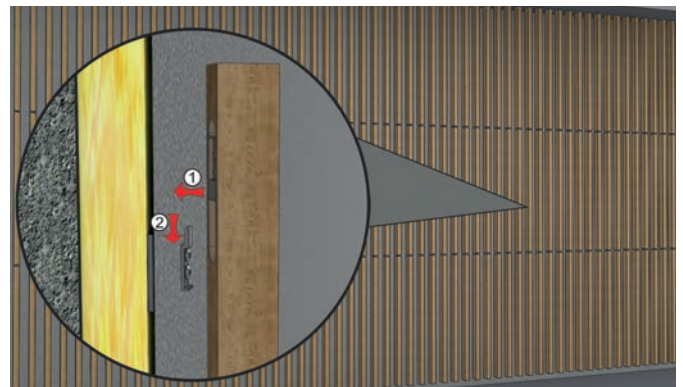
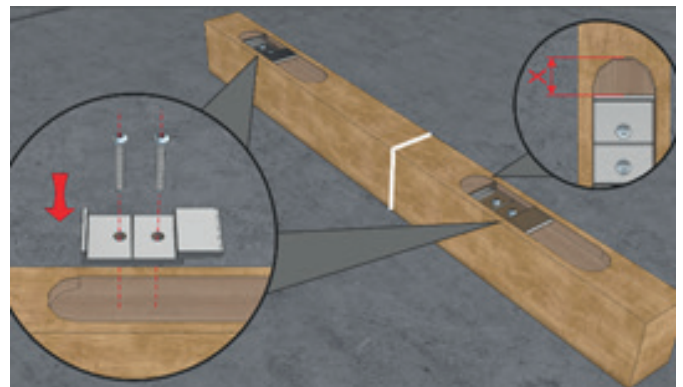
## Specifications Wall

### Characteristics

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

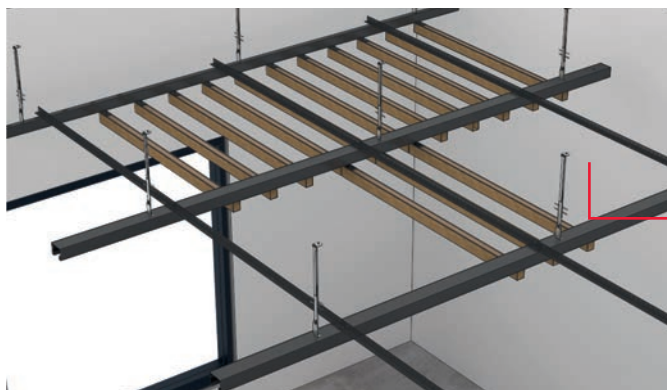
### Also with Polyester Fabric possible:

- polyester fabric
- 50-60 kg/m<sup>3</sup> 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.

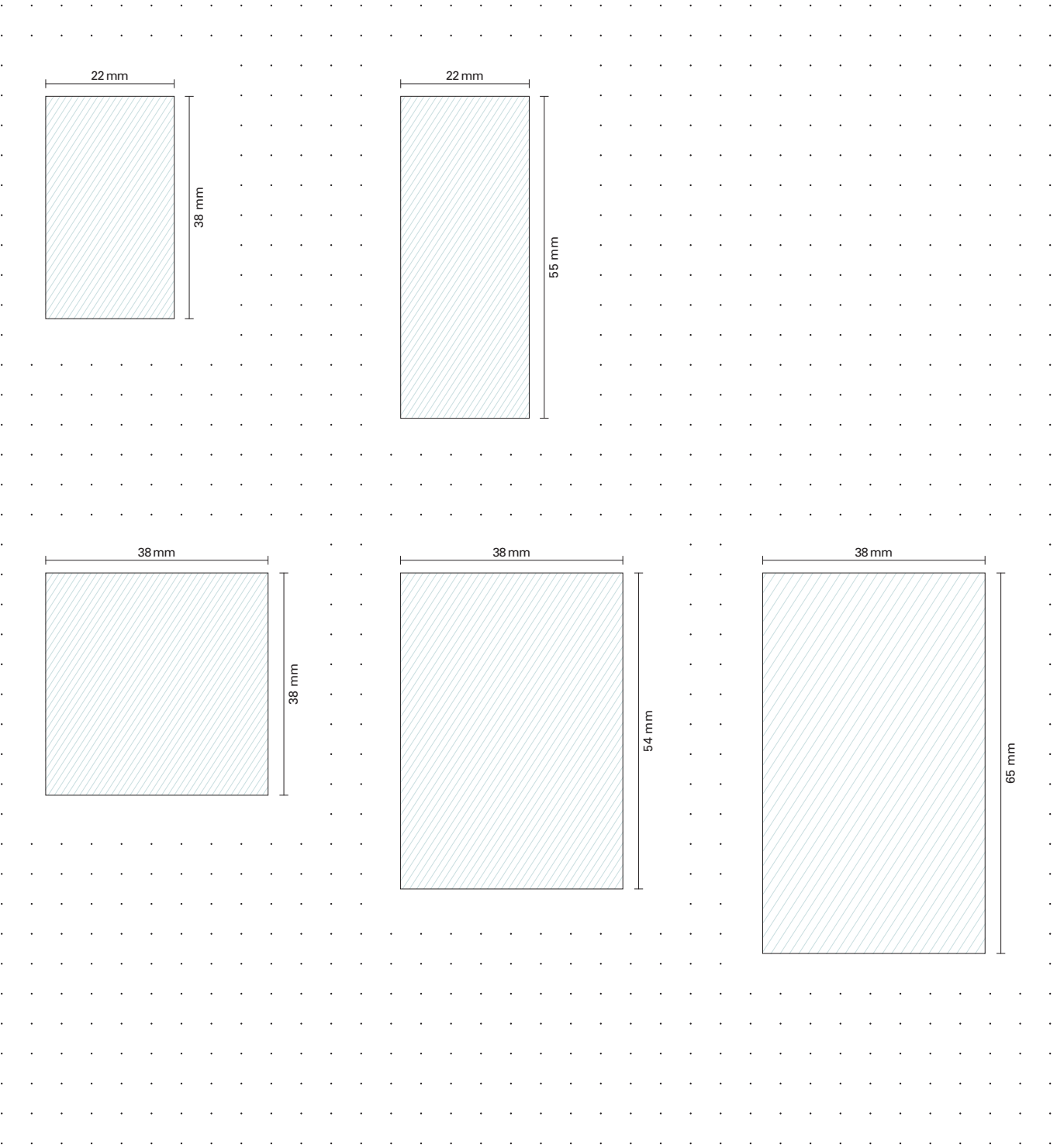




Principal Geometry (for Wall and Ceiling)

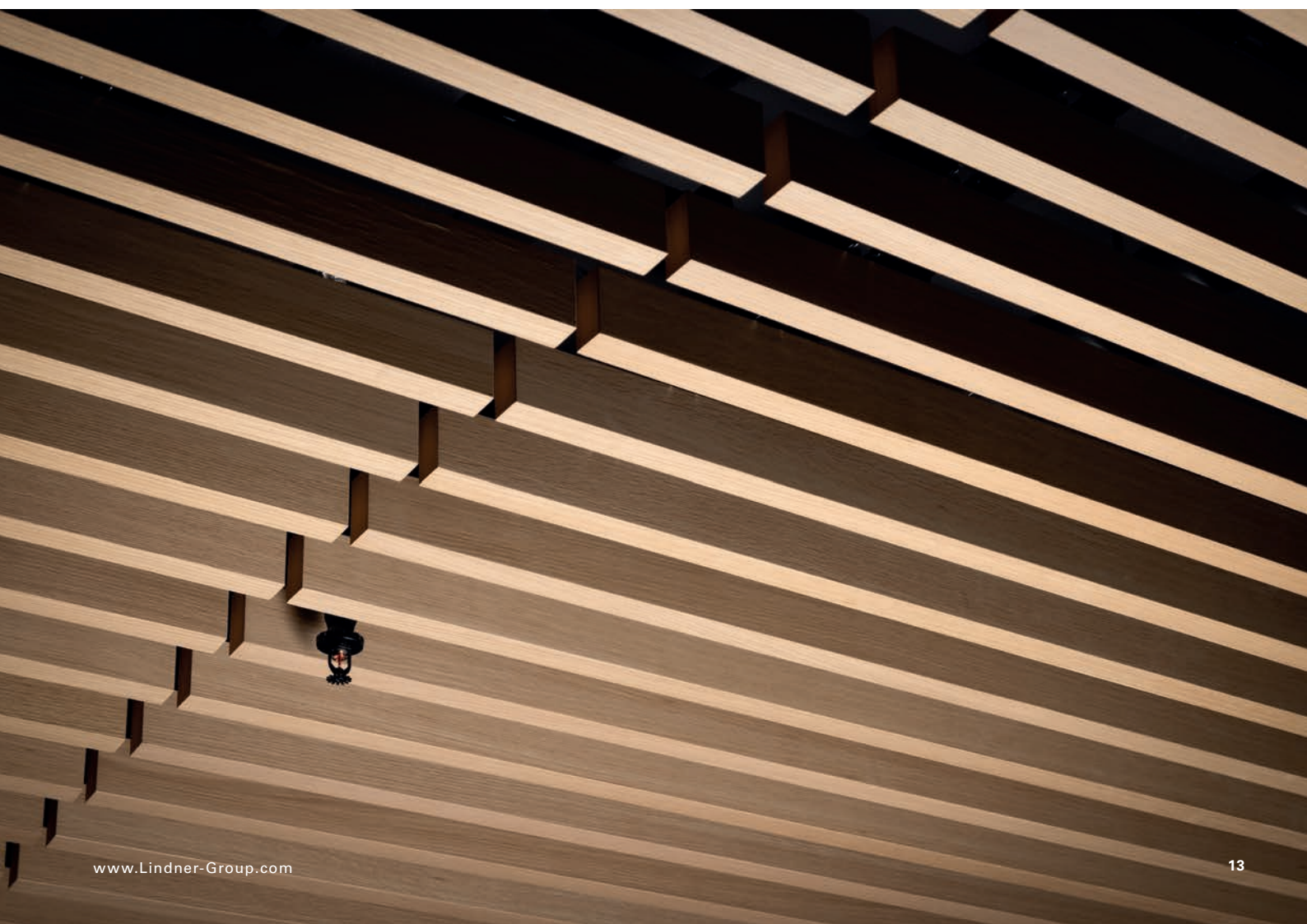
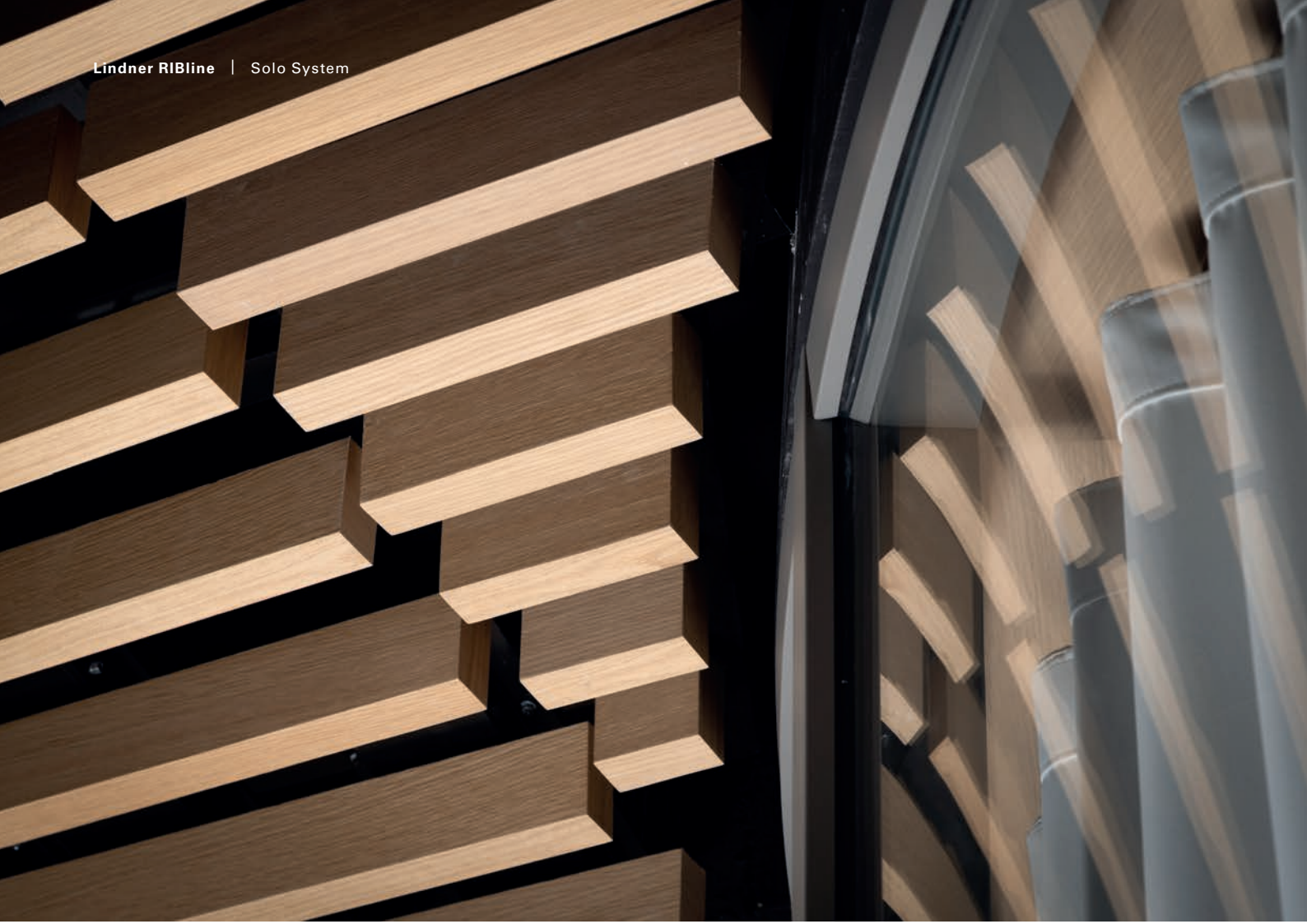
Length (L)	1,000 - 2,500 mm
Principal geometry	22 x 38 mm, 22 x 55 mm, 38 x 38 mm, 38 x 54 mm, 38 x 65 mm

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

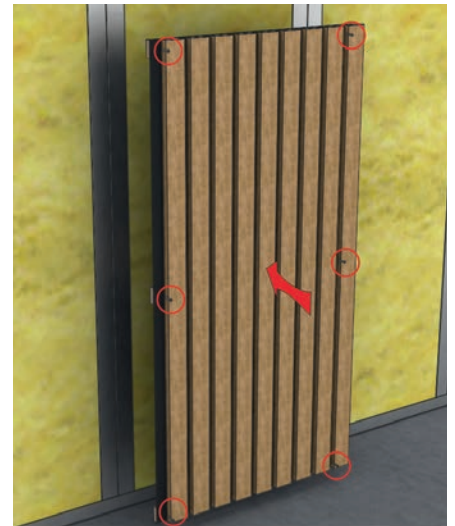
RIBline Panels for unfinished walls provide tailor-made solutions to suit your project requirements. We create a harmonious ambience with seamless transitions, so that the continuous look does not differ from a wall clad with real timber slats.

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
<b>Weight</b>	75 g/m <sup>2</sup>	200 g/m <sup>2</sup>
<b>Thickness</b>	0.3 mm	1.75 mm
<b>Colour</b>	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

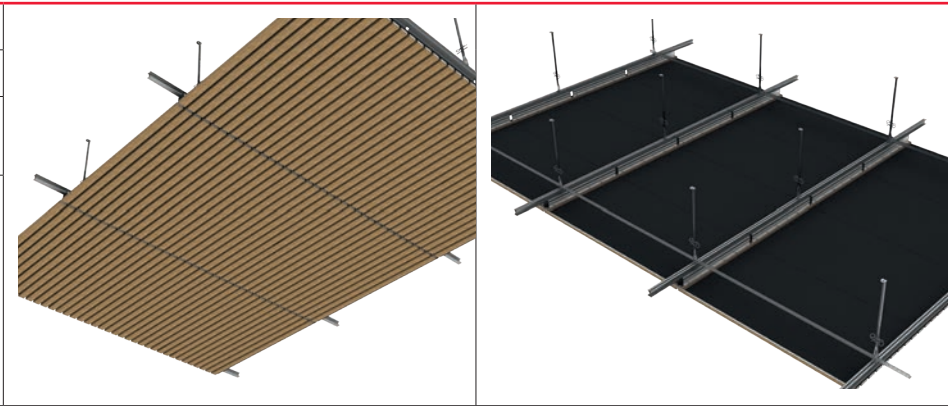
The RIBline Panel System is very easy to install: Rails are mounted across the room with a hanger that is attached to the ceiling. This results in a solid substructure. Then, the panels will be hooked to the profile next to each other. To integrate lights in your ceiling, the gaps between the slats can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



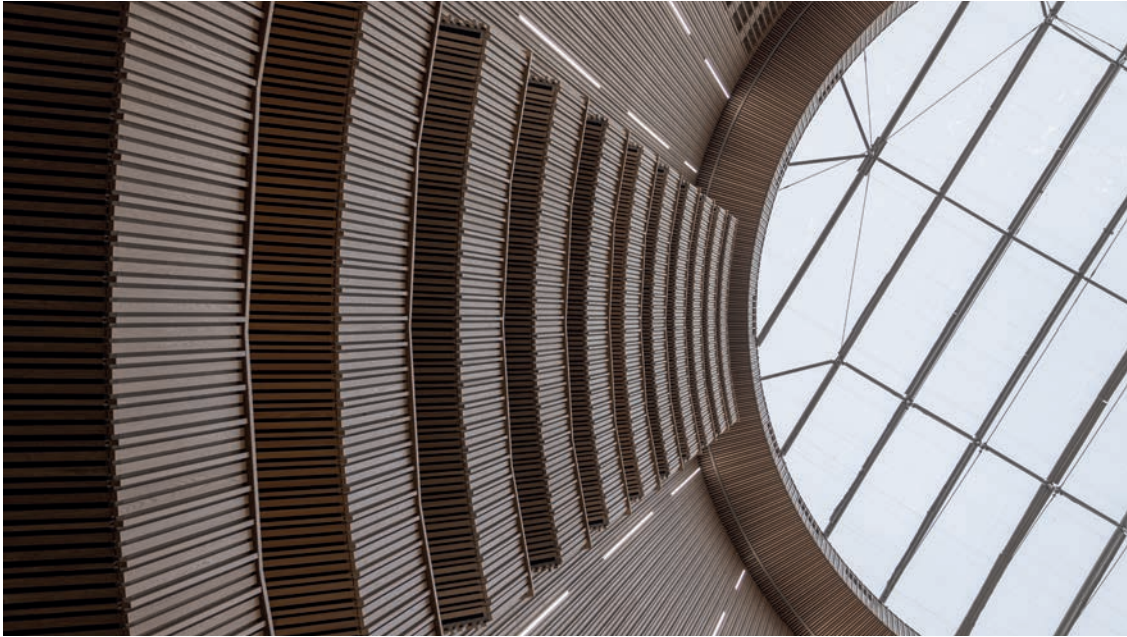












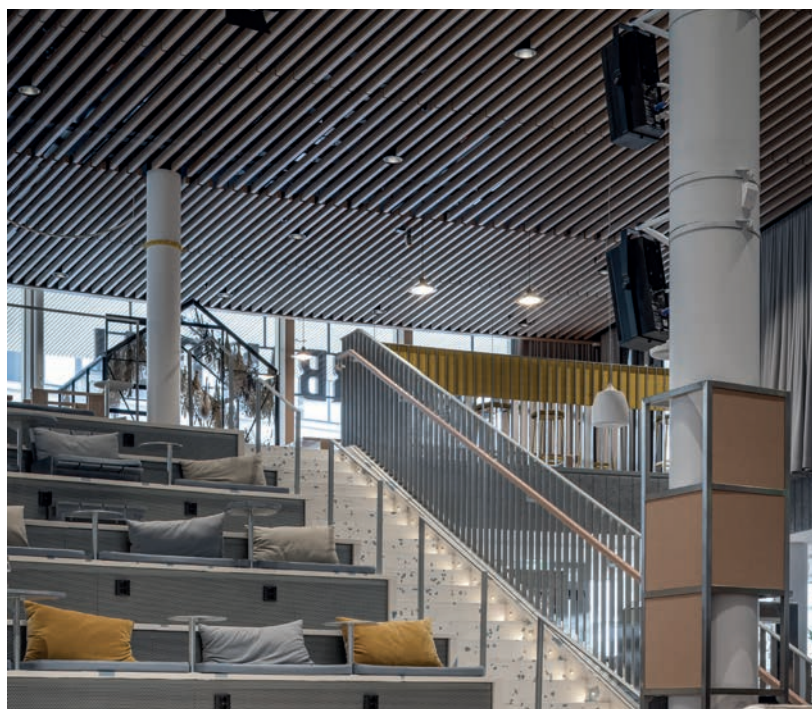
## Redmolen Nordhavn, Copenhagen, Denmark

At the tip of Nordø, the office building Redmolen has created a new urban space in Copenhagen, embodying a vision of openness, robustness, and dynamism. In addition to numerous office spaces, the round building includes a publicly accessible ground floor with a variety of shops, restaurants, cafes, exhibitions, and a canteen. The greening inside also gives the atrium a lively atmosphere.

The unique character of the atrium is highlighted by 58,000 linear metres of RIBline wall and ceiling cladding in the

public areas, which Lindner IPC realised for the project. The slats in real wood veneer are particularly convincing due to their sustainable gypsum core, which makes the system fire-resistant according to EN 13501. This feature also minimises smoke development and prevents dripping, facilitating the evacuation of the building. The FGD gypsum used in the cladding is also made from waste paper and is 100% recyclable. Additionally, Lindner cooling ceilings over an area of 16,000 m<sup>2</sup> ensure a consistently pleasant indoor climate in the office and rental spaces.





## Forskaren, Stockholm, Sweden

Forskaren, the centrepiece of the new district Hagastaden in Stockholm, impressively embodies the symbiosis of research, industry, academia, and the public sphere. The central location and distinctive circular design not only encourage social interaction but also establish it as a natural meeting point within this new urban area.

With two product solutions, the Lindner Group contributed to the successful realisation of this project: The NORTEC raised floor system stands out for its excellent sound insulation and high walking comfort, making it ideal for the diverse demands of Forskaren's scientific and public spaces.

Particularly noteworthy is the RIBline Timber ceiling cladding, which offers a modern and safe finish with its elegant wood appearance and fire-resistant gypsum core. The system enhances the interiors aesthetically and stands out for its resource-efficient construction: the core is made from recycled gypsum and can be supplied with FSC®-certified wood veneer upon request. The combination of environmentally friendly materials and appealing design complements the architectural concept of Forskaren, contributing to the creation of an inviting environment.









# 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 | [RIBl ine@lindner-group.com](mailto:RIBl ine@lindner-group.com) | [www.Lindner-Group.com](http://www.Lindner-Group.com)

**Cover:** Redmolen Nordhavn, Copenhagen, Denmark

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