JACKOBOARD® LIGNIN

New 2025

REDUCED CARBON IMPACT CO_2 REDUCED CARBON IMPACT

Innovative bathroom design with renewable resources

Sustainable revolution in bathroom design

***The innovation: JACKOBOARD® LIGNIN** is crafted entirely from bio-based and recycled raw materials, marking a significant step forward in reducing CO_2 emissions.*

This new generation of tileable construction boards contains renewable raw materials and is produced in an environmentally friendly way thanks to the utilisation of green electricity.

*This makes **JACKOBOARD® LIGNIN** boards a responsible choice for environmentally conscious construction projects.*

The advantages of JACKOBOARD® LIGNIN:

- **with bio-based raw materials**
- **with recycled material**
- **CO_2 neutral produced core**

Lignin: Nature's strength

LIGNIN
BIOPOLYMER

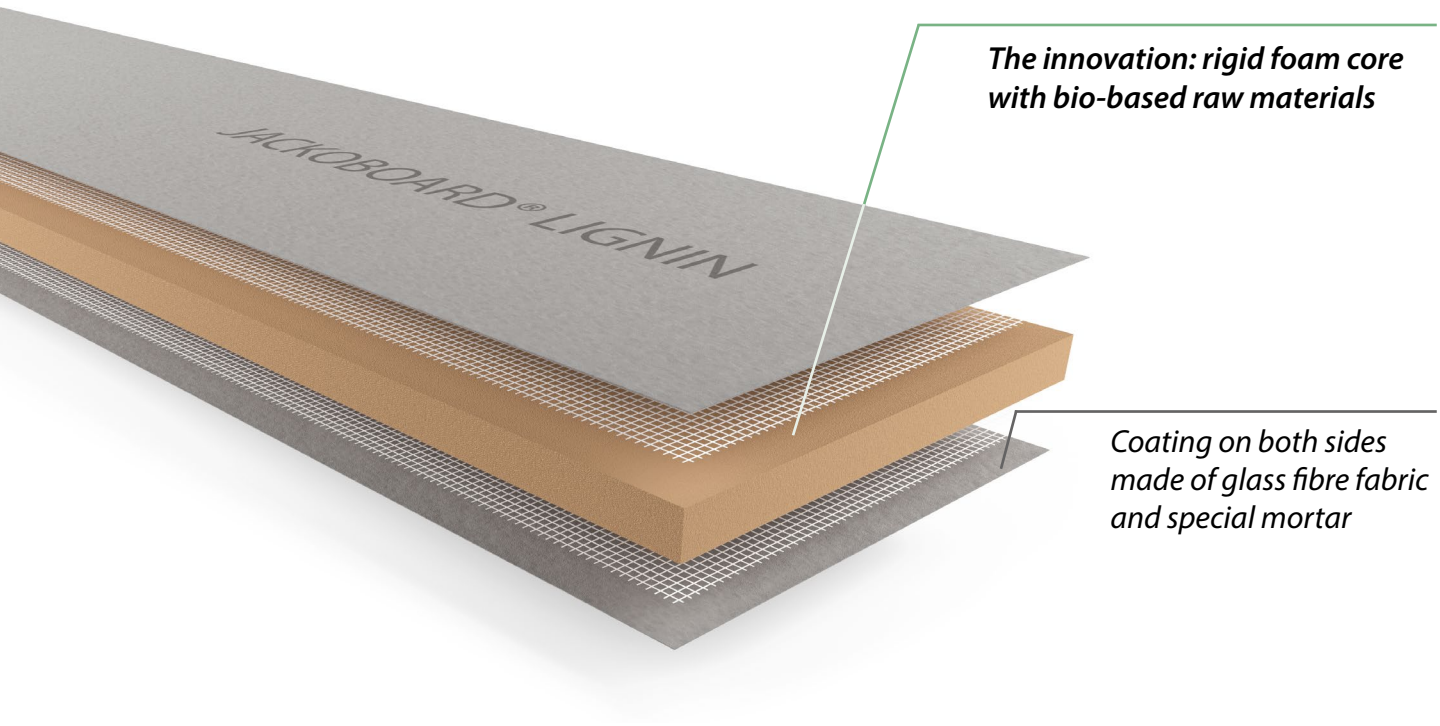
The core of the construction board contains the biopolymer lignin. Lignin has long been underutilised as a sustainable raw material. It is abundantly produced as a byproduct of the paper industry during the breakdown of cellulose.

Lignin is a complex organic polymer predominantly found in the cell walls of plants.

It plays a vital role in forming the supporting tissue that provides plants their rigidity and structural strength.

In addition to lignin, the construction board core contains only recycled material. The use of recycled materials conserves valuable resources and significantly reduces the CO_2 footprint of our products.

The innovative combination of natural lignin and recycled material in the construction board core contributes to environmental protection thanks to its reduced CO_2 footprint.

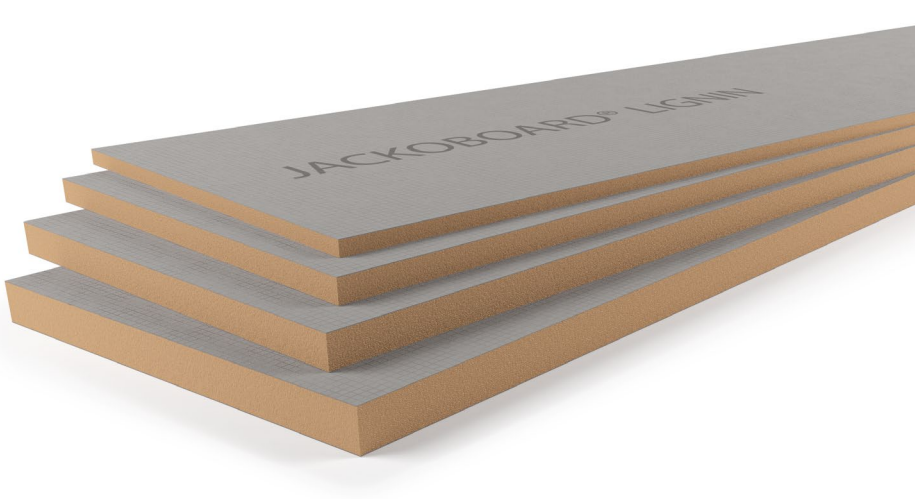


Oustanding Performance

*JACKOBOARD® LIGNIN stands out with its **CO_2-neutral foam core** while delivering the trusted advantages of JACKOBOARD® products: exceptional durability, waterproof and ideal for laying tiles - the perfect choice for modern construction projects.*

- **Can be directly tiled, filled and plastered**
- **Easy to process**
- **Water-repellent**
- **High compressive strength**
- **Lightweight approx. 3-6 kg/m²**
- **Excellent thermal insulation properties from λ= 0,035 W/(m·K)**

JACKOBOARD® LIGNIN Plano



The all-round construction board

- Water-repellent construction board for interior fittings (wall, pipe and bath tub panelling, sink units, shelves etc.)
- Coating of mortar and glass fibre fabric on both sides
- Can be directly tiled, filled and plastered

Art. no.	EAN code	Thickness mm	Panel dimensions mm	Pack content boards	Pack content m²
4528486	40 25345 17526 4	20	2600 x 600	50	78.00
4528487	40 25345 17527 1	30	2600 x 600	36	56.16
4528488	40 25345 17528 8	40	2600 x 600	36	56.16
4528489	40 25345 17529 5	50	2600 x 600	26	40.56

Note:
Our JACKOBOARD® LIGNIN range is constantly being expanded.
Do you have special wishes or requirements? Talk to us - together we will find the right solution.

Technical data

JACKOBOARD® LIGNIN Plano

Properties		Standard	Unit	Lignin-Polymer foam core
Bulk density		EN 1602	kg/m³	> 30
Rated value of the thermal conductivity λ		EN 13164	W/(m · K)	0.035
Compressive strength or compressive stress at 10 % compression		EN 826	N/mm²	> 0.30 [1]
Dimensional change under defined conditions	70 °C Temperature 90 % relative humidity	EN 1604	%	≤ 5
	70 °C Temperature 40 kPa pressure	EN 1605	%	≤ 5
Linear thermal expansion coefficient		–	mm/(m · K)	0.07
Fire behaviour		EN 13501-1	Classe	Euroclass E
Working temperature			°C	-50/+75

[1] *0,2 N/mm² for Plano in 20 mm*

Properties		Standard	Unit	JACKOBOARD® LIGNIN Plano
Tensile strength		EN 1607	kPa	≥ 200
Tolerances	Width	EN 822	mm	± 2
	Length	EN 822	mm	± 2
	Rectangularity	EN 824	mm/m	≤ 5
	Flatness	EN 825	mm	≤ 2
Edge profile				butt edge

Disclaimer
The information in this publication is based on our current knowledge and experience. It does not constitute a warranty in the legal sense. The specific conditions of the application must always be taken into account, particularly with regard to building physics, building technology and building law.

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global

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JACKON Insulation GmbH is a member of the German Sustainable Building Council (DGNB e.V.).

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Errors and omissions excepted; subject to change. Art.-No. 0000000 03/2025