FIREwood

Composite wall cladding

Sound-absorbing, real-wood-veneered and non-combustible – the calcium sulphate panel FIREwood provides the perfect solution for high-quality wall- and ceiling claddings in rescue and escape routes, necessary corridors, staircases and meeting rooms. The composite material with real wood veneer easily combines real-wood surfaces, fire protection and good acoustics.

- all timber types possible
- individual design due to diverse joining technology
- sound-absorbing due to micro-perforation
- grand formats without sagging
- environmental compatibility
- high level of prefabrication
- rated according to DIN 41021
- available as class A2 (noncombustible) and B1 (flame-resistant)

datasheet.headline.einsatzgebiete.title

Public Areas: Entrance Areas, Escape Routes
Public Institutions: Court Houses, Government Buildings
Hotels and Gastronomy: Hotels and Resorts
Businesses, Recreation and Culture: Places of Assembly, Concert Halls
Education: School of Higher Education, Schools
Work: Office buildings, Assembly Rooms

datasheet.headline.technischeAnforderungen.title

Fire Protection: Fire Behaviour / Building Material Class
Design: Gypsum, Wood, Perforation
Corrosion Protection: Interiors
Hygiene: Wipeable
Sustainability: Environmental Product Declaration
Acoustics: Room Acoustics

Interior Fit-Out and Furnishings
Bahnhofstraße 25 | 94424 Arnstorf | Germany
Phone +49 8723 20-3684
E-mail objektdesign@Lindner-Group.com | www.lindner-group.com

Technical Details

Climate area	10 - 35 °C
Swelling and shrinkage behavior	max. 0.1 mm/m
Surface soundness	approx. 0.8 N/mm²
Acoustic design	Acoustic fleece, Perforation, Grooves
Carrier panel	Calcium sulfate, Gypsum-fibre
Edge design (panels)	Veneer edge, Coloured edge

Dimensions

Panel thickness	19 mm
Panel weight	23 kg/m²

Interior Fit-Out and Furnishings
Bahnhofstraße 25 | 94424 Arnstorf | Germany
Phone +49 8723 20-3684
E-mail objektdesign@Lindner-Group.com | www.lindner-group.com

Length	2 550 mm
Width	1 220 mm

Acoustics

objectbrick.Akustik.Raumakustik.title

Evaluated sound absorption coefficient	DIN EN ISO 354	α_w	0,65
Sound absorption class	DIN EN ISO 11654		C

Fire protection

objectbrick.Brandschutz.Baustoffklasse.title

Zusatztext	of the composite panel	
Building material class	DIN EN 13501-1	B - s1,d0
Building material class	DIN 4102-1	A2
Designation by the building authorities	DIN 4102-1	non-combustible

Surfaces

Surfaces	real wood veneer
Perforations	PE 8/8/1.5/3.5-1, LI 14/2.0-1

Sustainability

Indicators

Recycling component	100 %	
innenraumluftmessung	EN16516	100 µg/m³
Emission of formaldehyde	< 3 µg/m³	

Evidence of emission measurements

AgBB	Fulfills
BREEAM International	Conform
LEED v4	Conform

deklarationen_und_nachweise

Product

Interior Fit-Out and Furnishings
Bahnhofstraße 25 | 94424 Arnstorf | Germany
Phone +49 8723 20-3684
E-mail objektdesign@Lindner-Group.com | www.lindner-group.com