



## 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 4102
- available as class A2 (noncombustible) and B1 (flame-resistant)

#### Examples for areas of application

**Public Areas:** Entrance Areas, Escape Routes

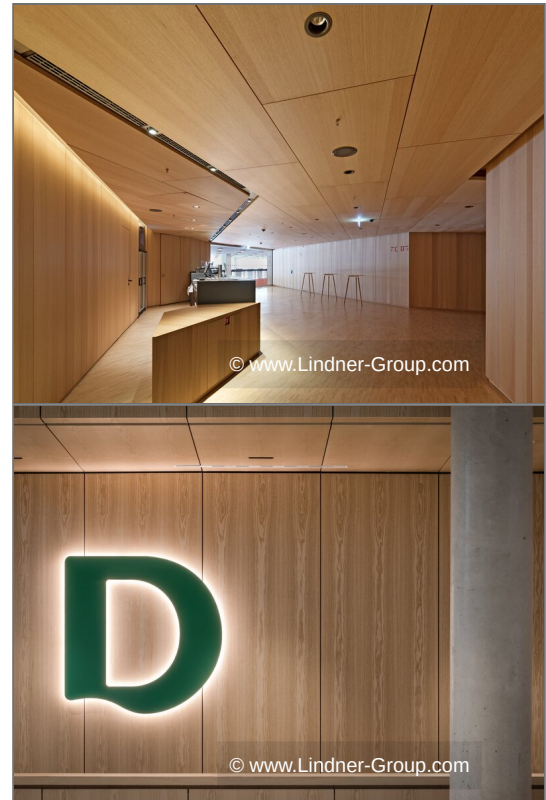
**Public Institutions:** Courts and Correctional Facilities, Town Halls, Government and Administrative Buildings

**Hotels and Gastronomy:** Hotels and Resorts

**Businesses, Recreation and Culture:** Places of Assembly, Concert Halls, Theatres and Opera Houses

**Education:** Universities and Higher Education Buildings, Schools

**Work:** Office Buildings, Assembly Rooms



### Technical details

#### Technical Details

Climate area	10 - 35 °C
Swelling and shrinkage behavior	max. 0.1 mm/m
Surface soundness	approx. 0.8 N/mm <sup>2</sup>
Acoustic design	Acoustic fleece Perforation Grooves
Carrier panel	Calcium sulfate Gypsum-fibre



Edge Design (Panels)

Veneer edge  
Coloured edge

## Dimensions

### Dimensions

Panel thickness	19 mm
Panel weight	23 kg/m <sup>2</sup>
Length (L)	100 - 2,550 mm
Width (B)	100 - 1,220 mm

## Acoustics

### Room Acoustics

Sound Absorber Class	ISO 11654		C
Evaluated Sound Absorption Coefficient	ISO 11654	$\alpha_w$	0.65

## Fire protection

### Building Material Class

Building Material Class		of the composite panel
Building Material Class	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

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

## Sustainability

### Declarations

Emission report	An expert opinion is available for the product with regard to its emission values. The test laboratory is accredited according to ISO 17025 and notified for EN 16516.
French VOC Regulation	Emission class A
Product Self-Declaration	A self-declaration in accordance with ISO 14021 is available. This contains extensive environmental information for planning, tenders and building certifications (LEED, DGNB, EU taxonomy).

### Data



Recycled Content	100 %
Building Material Class	bei der GFT-Platte
Indoor air measurement EN 16516 options	< 5 µg/m <sup>3</sup>
Emission of Formaldehyde	< 3 µg/m <sup>3</sup>

#### Evidence

Indoor Air Comfort	Accomplished
Indoor Air Comfort Gold	Accomplished
AgBB	Accomplished
BREEAM International	Conform
LEED v4	Conform
DGNB	Conform

### Combinable Systems

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Doors	HRT 68 T30 HTB 49 T30 HTB 68 T30
Partitions	COMPlacq - Aluminium lightweight panel COMPprint - Aluminium lightweight panel
Dry lining	FIREshield - Inspection door I 90 for service shafts

### Applications

