



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 prisons, Government and municipal buildings

Hotels and Gastronomy: Hotels and Resorts

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

Education: Higher education institutions and universities, Schools

Work: Office buildings, Assembly Rooms



Technical details

Technical Details

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|---------------------------------|---|
| Climate area | 10 - 35 °C |
| Swelling and shrinkage behavior | max. 0.1 mm/m |
| Surface soundness | approx. 0.8 N/mm ² |
| Acoustic design | Acoustic fleece Perforation Grooves |
| Carrier panel | Calcium sulfate Gypsum-fibre |
| Edge design (panels) | Veneer edge Coloured edge |



Dimensions

Dimensions

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|-----------------|----------------------|
| Panel thickness | 19 mm |
| Panel weight | 23 kg/m ² |
| Length (L) | 100 - 2550 mm |
| Width (B) | 100 - 1220 mm |

Acoustics

Room acoustics

| | | | |
|-----------------------------------|-----------|------------|------|
| Sound absorber class | ISO 11654 | | C |
| Evaluated Sound Absorption Coeff. | ISO 11654 | α_w | 0.65 |

Fire protection

Building material class

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

Surfaces

Surfaces

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

Sustainability


Declarations

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|--------------------------|--|
| 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). |

Key figures

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|-------------------------|---------------------|
| Recycled content | 100 % |
| Building material class | bei der GFT-Platte. |



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|---|--|
| Indoor air measurement EN 16516 options | < 5 µg/m³ |
| Formaldehyde emissions | < 3 µg/m³ |
| Evidence | |
| Indoor Air Comfort | Accomplished |
| Indoor Air Comfort Gold | Accomplished |
| AgBB | Accomplished |
| BREEAM International | Conform |
| LEED v4 | Conform |
| DGNB | Conform |
| Green Level Certificate | <div> High  </div> <p>Circularity: All components can be reused/ refurbished</p> <p>Life Cycle Assessment: Life Cycle Assessment according to DIN 14067 (Product Carbon Footprint) on request</p> <p>Cradle to Cradle Certified®: no C2C Certified® label available</p> |

Combinable Systems

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| | |
|------------|---|
| Doors | T30-2 Typ M-HRT T30-1 Typ I-HRT T30-2 Typ M T30-1 Type H T30-1 Typ I T30-2 Typ L |
| Partitions | COMPlacq - Aluminium lightweight panel COMPprint - Aluminium lightweight panel |
| Dry lining | Fireshield - Inspection door I 90 for service shafts |



Applications

