

FERMACELL Firepanel A1

Description of material

Homogeneous, fibre-reinforced, gypsum-bound dry lining board with paper fibres and added non-combustible fibres, made water repellent at the factory.

Areas of application

Interior application, to provide structural fire protection for walls and ceilings.

Sizes

Sizes	10 mm	12.5 mm	15 mm
Weight per unit area	approx. 12 kg/m ³	approx. 15 kg/m ³	approx. 18 kg/m ³
150x100 cm		•	
200x125 cm	•	•	•
Cut to size		Available on request	

Approvals

Construction material in acc. with DIN EN 13501-1	Non-combustible, A1
Labelling in acc. with DIN EN 15283-2	GF-I-W2-C1
IMO FTPC part 1	Non-combustible
Building component classifications	National / European

Dimensional tolerances at moisture equilibrium for standard board sizes

Length, width	+ 0 / - 2 mm
Diagonal difference	≤ 2 mm
Thickness (10 / 12.5 / 15 mm)	± 0.2 mm

Characteristic values

Density	1200 ± 50 kg/m ³
Flexural strength	> 5.8 N/mm ²
Thermal conductivity	λ = 0.38 W/mK
Water vapour diffusion resistance coefficient	μ = 16
Expansion / Shrinkage in response to 30 % change in relative humidity (20 °C)	0.25 mm/m
Moisture equilibrium at 65 % relative humidity and 20 °C air temperature	1.3%
pH value	7 – 8

Surfaces

Front and rear faces smoothed, with imprint of production data and approvals on rear face.

Storage

Packed and laid flat on pallets, protected against moisture, especially rain.

Application

Cut with conventional woodworking machines; cemented carbide-tipped tools should generally be used when cutting to size. As is usual when working with gypsum plasterboard and fibreboard, we recommend wearing an FFP1 respiratory mask if dust is generated.

Distance between studs*

Wall	≤ Thickness of boards [mm] x 50**
Ceiling	≤ Thickness of boards [mm] x 35

* For additional information please refer to the relevant installation documents.
** Vertical surfaces 2x10 mm ≤ 625 mm

Coating

Trowel-applied, painted, papered, tiled or plastered surfaces

