

FERMACELL Gypsum Fibreboards

Description of material

Homogeneous, gypsum-based dry construction board with a paper fibre matrix, sealed at the factory.

Areas of application

For interior application on walls, ceilings and floors.

Approvals

Building inspectorate approval	ETA-03/0050
Construction material to DIN EN 13501-1	Non-flammable, A2
Board thickness	10 / 12.5 / 15 / 18 mm

Dimensional tolerances at constant humidity for standard board sizes

Length, width	+ 0 / - 2 mm
Diagonal difference	≤ 2 mm
Thickness tolerance	± 0.2 mm

Characteristic values

Density	1150 ± 50 kg/m ³
Water vapour diffusion resistance coefficient	μ = 13
Thermal conductivity	λ = 0.32 W/mK
Specific heat capacity	c = 1.1 kJ/kgK
Brinell hardness	30 N/mm ²
Swelling of thickness of 24 h immersion in water	< 2%
Coefficient of thermal expansion	0.001 %/K
Expansion / Shrinkage in response to 30 % change in relative humidity (20 °C)	0.25 mm/m
Moisture content at 65 % relative humidity and 20 °C air temperature	1.3%
pH value	7 - 8

For further data and information please refer to the European Technical Approval ETA-03/0050.

Surfaces

Sanded front and rear faces, with production data and approvals printed on rear face.

Storage

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

Application

Cut with conventional woodworking tools; generally, carbide-tipped tools should be used when cutting to size.

Distance between support frame/studs

Wall	≤ Board thickness [mm] x 50
Ceiling	≤ Board thickness [mm] x 35

Final Finish

Trowel-applied FST, painted, plastered or tiled surfaces.



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