

fermacell Product Data Sheet



Product

Homogeneous, gypsum-based dry construction boards with paper fibres with water-repellent properties and air-cleaning properties achieved by using an amino-biopolymer complex.

Application

Internal application for walls, ceilings and floors.

Approvals

- Approval: ETA-03/0050
- Building material class pursuant to DIN EN 13501-1: non-combustible, A2

Surfaces

Sanded front and rear faces. Production data and approvals printed on the rear face, imprint of greenline lettering on the front.

Storage

Packed flat on pallets, protect against moisture, particularly rain.

Processing

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

Substructure spacing	
Wall	≤ board thickness [mm] x 50
Ceiling	≤ board thickness [mm] x 35

Please also observe our detailed processing instructions in our brochures and videos at www.fermacell.com

Coating

Primed, painted, plastered or tiled surfaces, as permeable to vapour as possible.

fermacell gypsum fibre boards greenline

Material properties	
Gross density	1150 ± 50 kg/m ³
Flexural strength	30 N/mm ²
Balancing humidity at 65% relative humidity and 20°C air temperature	1.3 %
Water vapour diffusion resistance coefficient	μ = 13
Thermal conductivity (in acc. with DIN EN 12664)	λ _{10,tr} = 0.32 W/mK
Thickness swelling after 24 hours of immersion in water	< 2%
Specific heat capacity	c _p = 1100 J/ (kgK)
Coefficient of thermal expansion	0.001 %/K
Expansion/shrinkage in case of a change in relative humidity of 30 % (20°C)	0.25 mm/m
pH-value	7 - 8

For further data and information, please refer to European Technical Approval ETA-07/0050

Dimensional tolerances with regard to balancing humidity for standard board formats	
Board thicknesses	10 / 12.5 / 15 / 18 mm
Length, width	+ 0 / - 2 mm
Diagonal difference	≤ 2 mm
Thickness tolerance	± 0.2 mm

*Delivery date on request, cuttings possible

Further information

Our recommendations are based on extensive testing and practical experiences. They do not replace guidelines, standards, approvals and applicable technical data sheets. Due to the large number of possible influences for processing and application, we recommend that you carry out trial processing and application. No claims for compensation may be derived from the information provided. Delivery, processing and the warranty on features assured by us will be in accordance with our GTCs.

