

## fermacell Product Data Sheet



## Product

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

## Application

Internal application for structural fire protection in the wall and ceiling area.

## Approvals

- Labelling in accordance with DIN EN 15283-2
- Building material class DIN EN 13501-1: non-combustible, A1
- IMO FTPC part 1: non-combustible
- Component classifications: National/European

## Surfaces

Front and rear sides ground. Imprint of production data and approvals on the rear side, imprint of Firepanel A1 lettering on the front side.

## Storage

Packed lying down on pallets, to be protected against moisture, particularly rain.

## Processing

With conventional wood processing machines, carbide-tipped tools should generally be used when cutting. As is customary when processing gypsum and gypsum fibre boards, we recommend wearing a respirator mask, filter FFP1, if dust is generated.

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

\* Additional information in the corresponding processing documents

\*\* Vertical surfaces 2x10 mm ≤ 625 mm

Please also observe our detailed processing instructions in our brochures and videos at [www.fermacell.com](http://www.fermacell.com)

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The latest version shall apply. As of 08/2014. Subject to change. Observe latest processing instructions!

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## fermacell Firepanel A1

### Coating

Primed, painted, plastered or tiled surfaces.

Material properties	
Gross density	1200 ± 50 kg/m <sup>3</sup>
Flexural strength	> 5.8 N/mm <sup>2</sup>
Balancing humidity at 65% relative humidity and 20°C air temperature	1.3 %
Water vapour diffusion resistance coefficient	μ = 16
Thermal conductivity (in acc. with DIN EN 12664)	λ <sub>10,tr</sub> = 0,38 W/mK
Expansion/shrinkage in case of a change in relative humidity of 30 % (20°C)	0.25 mm/m
pH-value	7 - 8

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

Formats	10 mm	12.5 mm	15 mm
Surface weight	approx. 12 kg/m <sup>3</sup>	approx. 15 kg/m <sup>3</sup>	approx. 18 kg/m <sup>3</sup>
150x100 cm		•	
200x125 cm	•	•	•
Cut-outs		•	

### 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.

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