

# Fermacell 2E35

## Floorboards



Fermacell's flooring panel system is designed to be used as a floating subfloor for a wide variety of applications. Made from 100% recycled cellulose fibers and synthetic gypsum, this effective soundproofing system offers a dry, sturdy and simple solution for all your flooring needs.

Fermacell's 2E35 floorboards are composed of two fiber-gypsum panels (2x12,5mm) in addition to a laminated layer of mineral wool (20mm). The two panels are offset from one another, so that there is a 50mm wide protrusion, allowing for a stable and solid assembly. The panel dimensions are 1500mm x 500mm (giving a surface area of 0.75m<sup>2</sup>).



## Advantages

- CCMC evaluation
- Better acoustic isolation
- Low weight and quick installation
- Compatible with all floor coverings
- Can be used rapidly after installation
- Eco-friendly

\*For more information, do not hesitate to visit our website or to contact us directly.

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# Fermacell

## Technical sheet - Characteristics

Fermacell 2E35 material characteristics	
Thickness of the full element	45 mm
Weight of the full element	25,5 kg (56,2 lbs)
Nominal weight	34 kg/m <sup>2</sup> / (7 lbs/ft <sup>2</sup> )
Thermic resistance	0,56 m <sup>2</sup> *K/W
Fermacell gypsum fiber board characteristics	
Density	1150 ± 50 kg/m <sup>3</sup>
Resistance coefficient to water evaporation diffusion	μ = 13
Thermal conductivity coefficient	λ = 0,32 W/m*K
Specific thermic capacity	c = 1,1 kJ/kgK
Brinell hardness	30 N/mm <sup>2</sup>
Thermic dilation coefficient	0,001 %/K
Swelling/Shrinkage in the event of a 30% relative humidity change (at 20°C)	0,25 mm/m <sup>2</sup>
Equilibrium rate in relation to the atmospheric air at 65% humidity and 20°C	1,3 %
pH	7 - 8
Fermacell's 14136-R CCMC evaluation report results *	
Robinson test (ASTM 627)	Pass
Resistance to fungus (ASTM D3273)	Pass
Resistance to hard impact (ASTM E661-03)	Pass
Resistance to soft impact (ASTM E661-03)	Pass
Data for resellers	
Item number	76038
Quantity/pallet	30 panels
Yield/pallet	22,5m <sup>2</sup> /242,1ft <sup>2</sup>
Weight/pallet	850 kg/1875 lbs



\* Evaluation report done on a Fermacell 2E11 panel