

fermacell Product Data Sheet



fermacell Flexible Tile Adhesive for thin and medium-thick adhesive beds and jointing fermacell Powerpanel H₂O with tapered edges

Product

The **fermacell** Flexible Tile Adhesive is a mineral, polymer-modified tile adhesive according to EN 12004 for laying ceramic tiles and panels, cut tiles and thin facing bricks, concrete stone facings in thin and medium-thick adhesive beds/layers according to DIN EN 197.

It is a component of the comprehensive **fermacell** sealing system with general building authority test certificate (P-5079/1926 MPA-BS).

Application

- The **fermacell** Flexible Tile Adhesive is suitable for tiling ceramic tiles and boards, porcelain stoneware and mosaics, tiles on tiles, split tiles and brick-form split tiles, insulation and expansion boards and concrete paving stones using the thin-bed and medium-bed methods in internal and external areas.
- The **fermacell** Flexible Tile Adhesive can be used on walls and floors and also with underfloor heating systems (also electrical).
- Furthermore, it serves as a filler material for the **fermacell** Powerpanel H₂O with tapered edges, if tiles or natural stone are to be used.
- Suitable for a wide range of substrates, such as **fermacell** Gypsum Fibreboards, **fermacell** Powerpanel H₂O / TE / TE Linear Shower Outlet 2.0, gypsum boards, plaster, (aerated) concrete, masonry, stone, screed.

fermacell Flexible Tile Adhesive for tiling

Properties

- Tested according to EN 12004 C 2 TE S1
- Waterproof, frost-resistant, hydraulic setting, stable and resistant to weathering.
- Flexible and to use, for laying in thin-bed and medium-bed methods
- Adhesive strength $>1.0 \text{ N/mm}^2$ (EN 12004)
- Low-chromate pursuant to Directive 2003/53/EC (with proper storage for 9 months from the date of manufacture)

Processing

- Mix **fermacell** Flexible Tile Adhesive in a clean container. A mechanical mixing speed of 600 rpm is recommended. Only add as much adhesive as can be used in approx. 30 minutes. Do not apply adhesive over movement joints.
- Apply according to DIN 18157-1
- For the bonding of tiles on tiles, the substrate must be pre-treated with a special primer for non-absorbent substrates.
- Processing as joint technology for the **fermacell** Powerpanel H₂O tapered edge:
 - Two **fermacell** Powerpanel H₂O boards with tapered edges are closely butted. The boards are then fastened with normal joining means and spacing.
 - The self-adhesive **fermacell** Reinforcement Tape TB must be used to joint tapered edge joints prior to tiling. The **fermacell** Flexible Tile Adhesive is then pressed so that the central "V" is fully filled.
 - Alternatively, the Reinforcement Tape TB can also be laid in the **fermacell** Flexible Tile Adhesive. First of all, the **fermacell** Flexible Tile Adhesive is applied to the levelled joint area and the tape is placed in position. The Flexible Tile Adhesive is then reapplied and the tape is embedded.

Material consumption

- 6 mm teeth: approx. 2.5 kg/m^2
- 8 mm teeth: approx. 3.0 kg/m^2
- 10 mm teeth: approx. 3.5 kg/m^2
- Filling of Powerpanel drywall edge - approx. 0.2 kg/m^2

The material consumption depends on the substrate and the type of covering.



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Processing information

- The substrate must be sound, solid and crack-free. Dirt, dust, grease, oil and paint residue must be removed. Cement-based and gypsum-fibre substrates must be pretreated with **fermacell** Deep Primer. With regard to the requirements of the humidity exposure classes pursuant to the ZDB info sheet, the **fermacell** sealing system should be used.
- The residual moisture content of cement-bounded substrates must not exceed 2 CM-%, no more than 0.5 CM-% for anhydrite or gypsum substrates and no more than 0.3 CM-% for heated anhydrite screeds.
- The drying times depend on the temperature of the air and the building, the air movement, the humidity and the absorptive capacity of the substrate. The specified drying times relate to +20 °C and a relative humidity of 50 %.
- A drying period must be observed between the processing steps.
- The processing temperature should be between +5 °C and +25 °C. Clean tools with water after use.
- Due to the wide range of possible influences during processing and application, the user should always carry out trial processing and application.
- The normal precautions for handling construction chemical products must be observed. Cement has an alkaline reaction with humidity, therefore, protect eyes and skin. In case of contact, rinse thoroughly with water. In case of eye contact, consult doctor immediately.

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

The other components of the **fermacell** sealing system are:

- **fermacell** Deep Primer
- **fermacell** Flexible Sealing Tape
- **fermacell** Internal and External Corner
- **fermacell** Pipe Penetration Patches
- **fermacell** Waterproofing Application



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Material properties	
Adhesive bed thickness	Up to 10 mm
Fire performance (in acc. with EN 12004)	A1 / A1 _{fl}
Mixing water for 25 kg	approx. 7,0 l
Preparation time	approx. 3 minutes
Pot life	approx. 2 hours
Processing temperature	+5 °C to +25 °C
Temperature resistance	- 20°C to + 80°C
Adhesive working time	approx. 30 minutes
Can be walked on after	After approx. 24 hours
Fully load bearing	After approx. 28 days
Storage (on wooden shelves, weatherproof, cool and dry)	Unopened 9 months

Merchant data	
Item number	79114
EAN	4007548005463
Customs tariff number	38245090
Weight / bag	25 kg
Quantity / pallet	42 bags
Weight / pallet	approx. 1070 kg

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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