fermacell Product Data Sheet



fermacell Waterproofing Application

for sealing walls and floors against moisture

Product

The **fermacell** Waterproofing Application is a ready-mixed, liquid membrane with a synthetic resin base for sealing against moisture.

It has been tested as per „Testing Principles for granting a general building authority test certificate for liquid sealing materials used in conjunction with tiles and paving“ and complies with humidity exposure classes A0 and A (wall) according to the ZDB and A (wall) according to general building authority test certificate (P-5079/1926 MPA-BS).

The **fermacell** Waterproofing Application is a component of the comprehensive **fermacell** sealing system and it is used in conjunction with **fermacell** Deep Primer and **fermacell** Flexible Tile Adhesive.

Application

The **fermacell** Waterproofing Application is a high-quality sealant against moisture through non-pressing water in internal areas under tiles, boards, ceramic coverings, marble and natural stone. It is approved for wall surfaces with high humidity exposure, e.g. walls in public shower rooms pursuant to exposure class A according to the general building authority test certificate and ZDB infor sheet.

Furthermore, the **fermacell** Waterproofing Application can be used on wall and floor surfaces in humidity exposure class A0 pursuant to the ZDB info sheet.

Suitable for various substrates, such as **fermacell** Gypsum Fibreboards, **fermacell** Powerpanel H_2O / TE / TE Linear Shower Outlet 2.0, gypsum boards, plaster, (aerated) concrete, masonry, stone, screed.

fermacell Waterproofing Application can be used under flooring and underfloor heating systems (also electrical). Avoid direct contact of the electric heating system with **fermacell** Waterproofing Application.

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Properties

- Complies with humidity exposure classes A (wall) according to the general building authority test certificate and A0 and A (wall) according to the ZDB info sheet.
- Impermiable to water
- Solvent-free and softening agents
- Very short drying time (2 to 3 hours)
- Very good adhesive strength and high crack-bridging properties
- Compatible with:
  - **fermacell** Flexible Tile Adhesive
  - Commercial tile adhesives pursuant to EN 12004 and solvent-free coatings
  - Silicone sealants
- Also suitable for underfloor heating systems

Processing

- Stir **fermacell** Waterproofing Application well before use and apply with a roller (short pile roller or foam roller).
- All corners are sealed with **fermacell** Flexible Sealing Tape, by placing it in the freshly applied Waterproofing Application and then the tape is coated with the Waterproofing Application. **fermacell** External and Internal Corners or Pipe Penetration Patches are also embedded in the Waterproofing Application as required.
- The **fermacell** Waterproofing Application is then applied to the wall in equal layers.
- After a drying period of at least 1 hour, the second coat is applied. The application of a 3rd layer is possible, but not necessary.
- After approx. 2-3 hours, **fermacell** Flexible Tile Adhesive (or a tile adhesive pursuant to the general building authority test certificate) can be applied to the Waterproofing Application in the thin-bed process.

Processing information

- The substrates must be level, clean, load-bearing, dry, oil and grease-free and free from other residues such as dust, dirt and loose particles, etc. The surface must not have any recesses, ridges or continuous cracks. Unevenness must be levelled out before processing or afterwards with a suitable filler or tile adhesive.
- The residual moisture content of cement-bound 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.
- Treat absorbent and heavily absorbent mineral substrates, **fermacell** Powerpanel H_2O, **fermacell** Gypsum Fibreboards and other gypsum-containing substrates with **fermacell** Deep Primer and allow to dry for at least 2 hours.

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- 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 lie 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. Skin contact must be avoided.

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 Corners
- **fermacell** Pipe Penetration Patches
- **fermacell** Flexible Tile Adhesive

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Material properties	
Building material class in acc. with DIN 4102-1	B2 (normal flammability)
Water impermeability	> 1.5 bar
Minimum level of consumption Min. dry layer thickness of 0.5 mm	approx. 1.2 kg / m² or 0.8 l/m² (for two layer application)
Corresponding wet film thickness	approx. 0.7 mm (min. 2 applications)
Drying time after 1st application	approx. 1 hour
Drying time after 2nd application	approx. 2-3 hours
Temperature resistance	- 20°C to + 70°C
Colour	Orange
Storage (cool and frost-free)	18 months

Merchant data	5 kg bucket	20 kg bucket
Item number	79071	79072
EAN	4007548005081	4007548005098
Quantity / pallet	60 units	24 units
Weight / pallet	approx. 320 kg	approx. 500 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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