



2K Sealing membrane

For waterproofing of wet room surfaces prior to installation of ceramic tiles. Suitable for both domestic and communal locations.

ETA-approved in accordance with Etag 022

- For interior and exterior use
- Crack bridging, anti-fracture membrane
- Approved for wet rooms
- Pools – max. depth 15 m
- Suitable for use on basement walls, balconies, and terraces
- Rapid setting
- Smooth consistency and good workability
- Approved for Radon protection

Product

Alfix 2K Sealing Membrane, 2-part tanking system consisting of:
 1. Alfix 2K Binder, polymer dispersion
 2. Alfix Quick cement

Available in standard gray and through-coloured white.

Coverage

Approx. 1.2 - 1.5 kg/m² per mm coat thickness.

Packaging

10 kg plastic buckets.

Surfaces

Cement/sand rendering, older than 2 days
 Concrete, older than 14 days, max. 90% relative humidity
 Lightweight concrete, max. moisture content 8%
 Aerated concrete
 Screed, older than 2 days
 Existing tiles and terrazzo.
 Plywood, only floors. Max. moisture content 7 - 12%
 Gypsum plaster, fibre-reinforced plasterboards, plasterboards.
 Cementitious boards suitable for wet room use.

Surface preparation

The surface should be dimensionally stable, sound, and clean. Free from laitance, grease, and dust. There should be no blooms, crack formations, or residues from form oil.

All absorbent, moisture-sensitive surfaces, such as rendering, brick work, aerated concrete, concrete, light-weight concrete, screed, cementitious or PVC boards should be primed with **Alfix Primer** (Sealing Primer), diluted 1:1 with water.

Plaster boards for wet room use and fibre-reinforced boards should be primed twice with **Alfix Primer** undiluted to full coverage.

For other wet room boards, please consult our Technical Services Dept. Plywood (floors only) should be primed with 2 applications of **Alfix Primer**; first coat should be applied diluted 1:3 with water. Second coat applied undiluted.

Existing tiles and terrazzo should be cleaned with **Alfix Deep Cleaner**.

Sealings

For sealing around floor drains, use self-adhesive **Alfix Drain-mat**. Remove half the protective silicon paper along the perforated line and subsequently fix to substrate and gully installation. Degrease gully flange before overbridging with drain mat. Remove any clam ring!

Instructions for use

In junctions between wall and floor, for internal vertical corners, and around pipe penetrations or sanitary installations, use self-adhesive **Alfix Seal-Strip**. Application of Alfix Seal Strip is made by folding the strip together along the longitudinal cross cut and subsequently removing the protective silicon paper along the perforated line. Press the strip firmly to the substrate.

Alternatively, use **Alfix Reinforced Strip** bedded in sealing membrane.

For bridging over cracks and for reinforcing joints, use **Alfix Reinforced Strip** bedded in Alfix Sealing Membrane 2K.

Carefully add Alfix Quick Cement to Alfix 2K Binder in the proportion 1:1 while stirring with a rotating drill. Mix until a smooth, lump-free paste is obtained. **Working time is approx. 3 hours**

Apply sealing membrane to the surface to full coverage leaving no voids.

For wet room use, coverage should be 1.2 - 1.5 kg/m².

For pools and basement walls, coverage should be 2.5 kg/m².

Apply 2-3 applications with steel trowel. First application should be a thin pore filling coat leaving no voids. Subsequent applications should be made with 4x4 mm notched trowel. Complete by smoothing the surface with straight trowel edge. When used in wet rooms, ensure that Reinforcing Tape, Seal-Strip, and Drain mat are completely over-bridged.

For pools and basement walls, only use Alfix 2K Sealing Membrane in standard grey, Alfix Sealing strip or Alfix Reinforcing Strip.

Drying time after first coat: 0.5 – 1 hour

Drying time after second (and third) coat: approx. 6 hours

Even by low temperatures or exposed to high humidity total drying time will not exceed 24 hours.

NB!

During work substrate and membrane should hold the same temperature.

Protect membrane from heat or draught.

Thicknesses exceeding 2 mm may cause crack formations.

Precautions

NONE

Cleaning

Tools should be cleaned with water before residues start to set.
 Once set, 2K Sealing membrane can be removed mechanically.

Tile fixing

For tile fixing, use Alfix Letfix Universal, Alfix Letfix extra, or Alfix Combifix depending on substrate and tile.

Test

ETAG 022 part 1 and 2.
 The product also fulfil the requirements for use in pools, according to the guiding principles in German building regulations:
 "Testing principles for being granted a general technical approval or test certificate from the building authorities, for sealing materials in combination with tiles and surface coatings – part 1: Composite - sealing systems for fluid sealing applications." Issue February 2008.

Technical enquiries

**Tanking around floor drains
 Wet rooms – Tanking with Alfix**

Product info on:

- **Alfix Primer**
- **Alfix Deep Cleaner**
- **Alfix Tanking accessories**
- **Alfix Letfix Universal**
- **Alfix Letfix extra**
- **Alfix Combifix**

Product health and safety sheet/COSH for both binder and cement

For further information, please consult our Technical Services Dept.
For latest update of this product info, visit www.alfix.com

Technical data

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| Working temperature | +10°C - +30°C |
| Density | 1.2 – 1.3 kg/litre |
| Working time | Approx 2-3 hours |
| Drying time | First coat: 1 hour at +20°C Second coat: approx. 6 hours at +20°C |
| Tile fixing | Approx. 6 hours after applying last coat days at +20°C |
| Curing time | 14 days at +20°C |
| Tensile adhesion strength | concrete : 0.8 – 1.2 N/mm ² |
| Temperature resistance | +60°C |
| Shelf life | Min. 6 months in unopened container Protect from frost |

