



## Acid-resistant sealing membrane

For under-tile water proofing in pools, changing rooms, and leisure areas

- For interior and exterior use
- Effective under tile water proofing
- High chemical and mechanical resistance

### Product

2-part epoxy resin system for scattering with dry quartz sand, grain size 0.7 – 1.2 mm (type 2)

### Coverage

Approx. 2.6 kg/m<sup>2</sup> corresponding to 1.3 kg/m<sup>2</sup> per mm coat + approx. 3.5 kg sand.

### Packaging

10 kg units containing matching volumes of each component, A and B.  
Sand is available in 25 kg bags.

### Applications

For interior and exterior under-tile water proofing in e.g. dairies, milking rooms, slaughterhouses, in- and outdoor swimming baths, and purification plants. Upon curing the membrane is water and liquid proof and resistant to a number of chemical and mechanical stresses.

### Surfaces

Concrete in situ and concrete slabs, older than 3 months.  
Cohesive strength should be min. 1.5 N/mm<sup>2</sup>

### Surface preparation

The surface should be pretreated with Alfix Epoxy Primer scattered with quartz sand. Drying time for primer is approx. 16 hours. The surface should be completely saturated with sand.  
Remove any excess sand by sweeping or vacuuming when cured.

### Sealing

For sealing of junctions between wall and floor, movement joints, internal corners, and around sanitary installations, prepare adapted pieces of Alfix Sealing strip to be subsequently bedded in a coat of Alfix Epoxy Primer.

Pipe penetrations and drains should be incorporating flanges ready to receive sealing strip and drain mats.

### Instructions for use

Add full content of component B into component A and mix the two components using slowly rotating paddle attached to electric drill. Mix thoroughly for approx. 3 minutes.

Working time is approx. 45 minutes at +20°C

Apply membrane as 2 coatings in order to obtain even, fully covering layers of each 1 mm. Embed Sealing strip and drain mat into the first layer.

Apply by short pile paint roller or by 4 x 4 mm notched trowel. Allow first layer to dry before applying the second. Curing time is approx. 16 hours at +20°C

### NB!

First layer must not exceed the age of 48 hours before second layer is to be applied.

Scatter with dry quartz sand, type 2, over the still wet coating of Alfix Epoxy membrane until the surface is completely saturated and will provide a sandpaper-like finish. If possible, use sand blasting gun.

According to Danish legislation, working with epoxide products requires special training.

To improve slip resistance on walls, add 2 – 3% thixotropic admix. For further details, contact our Service Technical Dept.

### Cleaning

Residues from Alfix Epoxy Membrane on tools should be removed immediately upon use with ethanol.  
Once cured, membrane can only be removed mechanically.

### Tests


Epoxy membrane has been tested at the German Institute: Amtl. Materialprüfanstalt für Steine und Erden, Clausthal-Zellerfeld and meets the requirements of the following standards: Prüfzeugnisse M 9954-1 and M 9954-2

### Tile fixing

Prior to tile fixing, any excess sand should be removed by vacuuming.

Suitable adhesives for subsequent tile fixing: Alfix NormalFix, mixed with 0.1 litre of Alfix FlexBinder per kg powder, Alfix ProFix or Alfix EpoxyFuge 20.

### Precautions

|   |   |  |   |
|---|---|--|---|
|  | Alfix A/S<br>H.C. Ørsteds Vej 11-13<br>DK-6000 Kolding<br>alfix.com<br><br>13 | Ydeevnedeklaration<br>nr. 50                   | EN 14891<br><br>Alfix Epoxy membran<br>Epoxybaseret<br>tætningsmasse<br>Inden- og udendørs<br>anvendelse.<br>EN14891: RM 02 P |
| Vedhæftningsstyrke<br>efter tørlagring  | ≥ 0,5 N/mm <sup>2</sup>   | Vedhæftningsstyrke<br>efter vandlagring        | ≥ 0,5 N/mm <sup>2</sup>   |
| Vedhæftningsstyrke<br>efter varmelagring  | ≥ 0,5 N/mm <sup>2</sup>   | Vedhæftningsstyrke<br>efter lagring i kalkvand | ≥ 0,5 N/mm <sup>2</sup>   |
| Vedhæftningsstyrke<br>efter frost-tø lagring                                      | ≥ 0,5 N/mm <sup>2</sup>   | Vandtæthed                                     | Tæt, ≤ 20 g<br>vægtforøgelse  |
| Vedhæftningsstyrke<br>efter lagring i klorvand                                    | ≥ 0,5 N/mm <sup>2</sup>   | Revneoverbygning ved<br>normaltemperatur       | ≥ 0,75 mm   |
| Revneoverbygning ved<br>lav temperatur -5 °C                                      | ≥ 0,75 mm   | Farlige stoffer                                | Se sikkerhedsdatablad<br>på <a href="http://www.alfix.com">www.alfix.com</a>  |

### Technical enquiries

Product info on :

- Alfix Epoxy Primer
- Alfix Tanking Accessories
- Alfix NormalFix
- Alfix FlexBinder
- Alfix ProFix
- Alfix EpoxyFuge 20

Product health and safety data /COSH

Working with epoxide products requires special training according to the Danish Working Environment Authority, regulation no. 199 of 26th March 1985.

For further information, please consult our Technical Services Dept.

For latest update of this product info, visit [www.alfix.com](http://www.alfix.com).

### Technical data

|                           |  |
|---------------------------|--|
| Working temperature       | +10°C - +30°C  |
| Density                   | 1.3 kg/litre   |
| Working time              | 45 minutes at +20°C  |
| Tile fixing, foot traffic | After 16 hours at +20°C  |
| Drying time/curing        | After 16 hours at +20°C further treatment can be initiated       |
| Crack bridging            | Up to 1.6 mm   |
| Elastic modulus           | 280 N/mm <sup>2</sup>  |
| Tensile strength          | 1.2 - 2.0 N/mm <sup>2</sup>                                      |
| Shrinkage                 | None   |
| Shelf life                | Approx. 12 months, dry and not below +10°C in unopened packaging |