



Acid-resistant tile adhesive and grout

- For adhesion and grouting of ceramic tiles, mosaics and quarry tiles
- Suitable for pools and the food and chemical industries, for example
- Can withstand high mechanical load
- For interior and exterior use
- Joint widths from 1 - 20 mm
- For both walls and floors
- Smooth and easy to work with

Product

2-component epoxy system, solvent-free.

Colour

Titanium grey

Coverage

Tile installation

Approx. 1,4 kg/m² per mm layer thickness.

Notched trowel	Kg per m ²
4 x 4 mm	approx. 1,4
6 x 6 mm	approx. 2,8
8 x 8 mm	approx. 3,8
10 x 10 mm	approx. 4,7

Grouting

Tile size / joint width	kg per m ²
119 x 244 x 6 mm / 6 mm	approx. 0,7
119 x 244 x 7,5 mm / 6 mm	approx. 0,9
119 x 244 x 8 mm / 6 mm	approx. 0,9
115 x 240 x 10 mm / 10 mm	approx. 1,9
115 x 240 x 11 mm / 10 mm	approx. 2,1

Grouting other tile dimensions: See the consumption calculator at alfix.com/forbrugsberegner

NB

Do not use the product at temperatures below +10°C and above +30°C.
Temperatures lower than +15°C can complicate the work process.
Temperatures higher than +25°C will shorten the working time.
The recommended temperature for use is between +18°C and +23°C.

The product must be stored at min. +10°C to prevent crystallisation.
If crystallisation has occurred, this can be resolved by heating the product to between +30°C and +45°C.
To ensure the correct consistency, cool the product subsequently to room temperature before use.

Packaging

Supplied in a 6 kg plastic bucket containing component A (binder) and component B (hardener).

General information

Substrates/adhesion surfaces must be clean, dry and free from cracks, loose particles and other substances that may impede adhesion.

Concrete substrates must feature a cohesive strength of $\geq 1,2 \text{ N/mm}^2$.

Substrates comprising layers of cement render and concrete leveller must feature a cohesive strength of $\geq 0,8 \text{ N/mm}^2$.

Site-poured concrete and prefabricated elements must be at least 3 months old.

Cement render and concrete leveller, min. 28 days.

Instructions for use

1. Remove the container of component B and shake thoroughly.
2. Briefly stir component A using a mixing hook fitted to a power drill operating at low speed.
3. Pour in the liquid component B and mix to form a homogeneous, uniform paste. Scrape the sides and bottom of the bucket during the process.
4. In order to ensure that the mixture is homogeneous, we recommend pouring the epoxy paste into a clean bucket and mixing once more before use.

Grouting: Press Alfix EpoxyFuge 20 into the joints using a plastic or hard rubber trowel. Work diagonally across the joints and pull the trowel back and forth to press the grout firmly against the tile edges.
It is best to wash the surface after 15 - 20 minutes. Use clean, hot water with a dash of detergent if appropriate.

Using a sponge board/washing board, apply as little warm water as possible to the surface and then scrub/emulsify with circular movements. Continue until a fine and even layer of sludge has been formed over the tiles and the joints are filled. Wash down with a tile- or viscose sponge, rinsing it regularly in hot water. Replace the rinsing water for every 6 kg of mixture. Add up to 10% methylated spirits to the water for the final rinse. Do not allow surplus water to build up in the joints. After 5 - 15 hours, carry out a final clean to remove any epoxy film. To remove any epoxy residue, try using CR10 from FILA or SERVICE EPOSOLV from Treetops.

Tile installation: Apply Alfix EpoxyFuge 20 to the substrate using a smooth trowel, and then use a notched trowel to create a ridged bed. Install the tiles within the applicable open time. When installing tiles outdoors and in situations with a high mechanical load, use a full-coverage adhesive layer.

NB

Working with epoxy products requires special training according to: Annex 3 to Danish Working Environment Authority regulations no. 381 of 12. april 2023 concerning work with substances and materials (chemical agents).

Result

In most cases, finished grout lines should not normally be rinsed out deeper than 1 mm. If the tiles have rounded edges, the grouting can be adjusted to match. Minor colour deviations may occur.

Labelling

	Alfix A/S H.C. Ørstedes Vej 11-13 DK-6000 Kolding alfix.com 23	Declaration of performance no. 55	EN 12004:2007+A1:2012 Alfix Epoxy Fuge 20 Acid-resistant grout and tile adhesive for ceramic tiles
Fire classification	Class E	Hazardous substances	See the material safety data sheet at www.alfix.com
Tensile adhesion strength after dry storage (EN12004:2007+A1:2012)	≥ 2,0 N/mm ²	Tensile adhesion strength after freeze-thaw cycles (2004:2007+A1:2012)	≥ 2,0 N/mm ²
Tensile adhesion strength after water immersion (EN12004:2007+A1:2012)	≥ 2,0 N/mm ²		

Cleaning

Use warm water mixed with detergent to clean grout residue from tools, etc. immediately after use. Hardened grout can only be removed by scraping. To remove any epoxy residue, try using CR10 from FILA or SERVICE EPOSOLV from Treetops.

Once used, the product is classified as hazardous waste. Please make sure of the municipal collection and disposal schemes.

Tests

Tests: EN 13888 RG og EN 12004, R2 T

References

Thema info: Grouting with Alfix EpoxyFuge 20.
Material safety data sheet.

If you have any doubts or would like additional information concerning chemical resistance, contact our Technical Service Department. For the most recently updated version of this data sheet, go to alfix.com.

Technical data

Working temperature	+10°C - +30°C
Density	Approx. 1,4 kg/litre at +20°C
Working time	Approx. 50-60 minutes at +20°C
Washable	After approx. 15 minutes or no more than 1 hour at +20°C
Walkable	After 16 hours at +20°C
Partial(Full strength	After 2 days/7 days at +20°C
Tensile strength, concrete	Fracture in substrate >2 N/ mm ² .
Temperature resistance	+100°C
Storage time	At least 12 months in dry conditions at not less than +15°C in unopened packaging