



Acid-resistant grout and tile adhesive

- For grouting and bonding of ceramic tiles and mosaic
- Suitable for pools, the food industry and the chemical industry
- Withstands high mechanical loads
- For indoor and outdoor use
- Joints widths 1.5 - 10 mm
- For walls and floors
- Easy to use
- Fungus and mould resistant
- Very low emission EC1 plus

Product

Two-component epoxy system, solvent-free.

Colours

Supplied in Manhattan steel grey and white.

Coverage

Tiling

About 1.4 kg per m²/mm layer thickness.

Notch size	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

Approx. 0.6 - 2 kg per m² depending on the tile size and the size of the grout line.

Tile size/width of grout line	Kg per m ²
25 x 25 x 5 mm / 2 mm	approx. 0.3
50 x 50 x 5 mm / 2 mm	approx. 0.5
100 x 100 x 7 mm / 4 mm	approx. 0.8
110 x 240 x 12 mm / 6 mm	approx. 1.3
110 x 240 x 18 mm / 6 mm	approx. 1.9
110 x 200 x 12 mm / 6 mm	approx. 1.4

NB!

Alfix Thixotropic agent is used as a thickener for Alfix C2 Epoxy in cases where special conditions apply, for example:

- Joints width larger than 6 mm
- Deep joints/layer thickness
- Sloping surface
- Temperature conditions
- Increases the load bearing capacity of the adhesive
- Increases the filling of the joint

Alfix Thixotropic agent can be added in quantities from a minimum of 0 g to a maximum of 300 g per 6.0 kg of Alfix C2 Epoxy.

Experience suggests adding 30 g (1 sachet) of Thixotropic agent per 6.0 kg.

Alfix C2 Epoxy can be used in most conditions, but particularly challenging conditions can require the addition of extra Thixotropic agent.

This should be decided on the basis of the task at hand.

Packaging

Supplied in 6 kg plastic buckets containing component A (binder) plus component B (hardener).

General

Substrates/bonding surfaces must be clean, dry and free of loose particles.

How to use

1. Take component B and shake it.
2. Briefly mix component A with a paddle mixer attachment on a drill running at low speed.
3. Pour in the liquid component (B) and mix into a smooth, even paste. Scrape the bottom and sides of the bucket as you mix.
4. To check that the paste is evenly mixed, you are recommended to pour the epoxy mixture into a clean bucket before use.

Grouting: Press Alfix C2 Epoxy into the grout lines using a plastic or hard rubber trowel. Work diagonally over the grout lines, moving the trowel forwards as well as backwards so that the grout is pressed firmly against the tile edges. It is best to wait 15-20 minutes before rinsing. Use clean, warm water with a small amount of detergent if necessary.

Applying minimal pressure and using as little water as possible, rub/emulsify the surface with a fine scourer. Carry on until there is a thin layer of sludge over the tiles and the grout lines are filled. Rinse down with a tile or viscose sponge that is frequently rinsed in warm water. Change the rinsing water for every 6 kg of mixture. Add up to 10% methylated spirits for the final rinse down. Do not leave excess water on the grout lines.

After 5-15 hours, carry out final cleaning to remove any epoxy haze. Pour clean methylated spirits onto the surface and rub with a cloth.


Tiling: Apply Alfix C2 Epoxy to the substrate with a smooth trowel, then go over it again with a notched trowel. Lay the tiles within the stated pot life. For use outdoors or in places with a high mechanical load, a void-free adhesive layer is required.

Note! Working with epoxy products requires special training according to the regulations of the Danish Working Environment Authority: Guideline no. 381 of 12TH of April. Low temperatures result in increased consumption and make preparations more difficult. It is helpful to warm the products to room temperature before use.

Result

The 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.

Marking

	Alfix A/S H.C. Ørsteds Vej 11-13 DK-6000 Kolding alfix.com 18	Ydeevnedeklaration nr. 44	EN 12004:2007+A1:2012 Alfix C2 Epoxyfuge Syrefast fugemasse og fliseklæber til keramiske fliser
Brandklasse	Klasse E	Farlige stoffer	Se sikkerhedsdatablad på www.alfix.com
Vedhæftningsstyrke efter tørlagring (EN12004:2007+A1:2012)	≥ 2,0 N/mm ²	Vedhæftningsstyrke efter temperatur- veksellagring (2004:2007+A1:2012)	≥ 2,0 N/mm ²
Vedhæftningsstyrke efter vandlagring (EN12004:2007+A1:2012)	≥ 2,0 N/mm ²		

Cleaning

Use warm water and detergent to clean grout residues from tools, etc. immediately after use. Once hardened, the grout can only be removed by scraping. You can try to remove epoxy residues with a product like CR10 from FILA or SERVICE EPOSOLV from Treetops.

Once used, the product is classified as hazardous waste, so please observe proper disposal methods in accordance with local regulations.

Tests

EN 13888 RG and EN 12004, R2T

References

Safety data sheets.

Product information and safety data sheets are available on our website, via the QR code on the product packaging or in the Alfix app which can be downloaded from the App Store or Google Play

If in doubt and for further information as to chemical resistance a.o., please consult our Technical Services Dept.

For the most up-to-date version of this data sheet, please visit alfix.com.

Technical data

Working temperature	+15°C - +25°C
Density	Approx. 1.4 kg/litre at +23°C
Working time	40 - 45 minutes at +23°C
Rinsable	After approx. 15 minutes or up to 1 hour at +23°C
Foot traffic	After 16 hours at +23°C
Full strength	After 2 days/7 days at +23°C
Tensile strength, concrete	Fracture in substrate > 2 N/mm ² .