

Epoxy antiacid grout mortar Range FB60



* Information on the level of emissions of volatile substances in indoor air, presenting a risk of inhalation toxicity, on a class scale from A+ (very low emissions) to C (high emissions).

Packaging :

Product	Packaging	Content	Color
FB60	In box of 20kg	4 resins of 1.1 kg + 4 hardeners of 3.9 kg	Beige / Grey / Black
FB60	In bucket of 12.5kg	1 resin of 2.75 kg + 1 hardener of 9.75 kg	Beige / Grey / Black
Filler FB60 MUR	In bag of 10 kg	-	-

Description of the products :

FB60 is a solvent-free, water-emulsifiable epoxy-based mortar for grouting ceramic for floor and wall tiles. It comes in two parts pre-dosed in the factory:

Part A: Water Emulsifiable Epoxy Resin

Part B: Hardener + filler

The FB60 has been specially formulated for quick and easy installation and cleaning. Once the joint is dry, it presents a smooth, non-absorbent and easy to maintain surface.

FB60 has a very good resistance to wear, acids and detergents. It also allows the floor to be cleaned with a high pressure jet.

Field of application :

FB60 is designed for grouting ceramic tiles (floors and walls) where high resistance to mechanical and chemical attack is required. It is suitable for floor coverings in damp rooms that require frequent cleaning and where there is a high level of wear and tear. Example: dairies, cheese dairies, breweries, fruit juices, ready meals, kitchens, slaughterhouses, salting plants, canning plants, vegetable factories, chemical plants, pharmaceuticals, cosmetics, ... The FB60 also represents the ideal solution for countertops in industrial kitchens, laboratory benches, etc..., for which a resistant, non-absorbent and easy to maintain mortar is required.

In the case of specific applications, we remain at your disposal for any further information.

Consumption: These values are given as an indication. Consumption varies according to the tiles and the width of the grouting.

Tiles sizes	Width grout	Consumption	Tiles sizes	Width grout	Consumption
150x150x20 mm	5 mm	≈ 2.2 kg/m ²	215x105x18 mm	5-6 mm	≈ 2.4 kg/m ²
150x150x14 mm	3-4 mm	≈ 1.5 kg/m ²	215x105x12 mm	5-6 mm	≈ 1.4 kg/m ²
150x150x11 mm	3-4 mm	≈ 1.2 kg/m ²	240x115x18 mm	7-8 mm	≈ 2.8 kg/m ²
200x200x11 mm	3-4 mm	≈ 0.9 kg/m ²	240x115x10 mm	7-8 mm	≈ 1.6 kg/m ²

Technical specifications :

The chemical resistance table is available on request.

Characteristics	Standards	Results
Density	Cup	1.6
Adhesion to ceramics	Internal test	Ceramic breaking
Flexural strength	NF EN 12808-3	37 MPa
Compressive strength	NF EN 12808-3	80 MPa
Water absorption	NF EN 12808-5	0.02g
Shrinkage	NF EN 12808-4	≤ 0.80 mm/m
Max. operating temperature	Internal test	70°C

Preparation :

Pour the contents of the hardener bag (part B) into a bucket and add the resin (part A). Mix for at least 3 minutes until homogenized. Check that the mortar does not contain any lumps. The mortar is then ready to use. We advise you to use a slow-speed drill equipped with a spiral mixer for mixing.

When mixing, both components must have a minimum temperature of 20°C. If the temperature is too low, the resin can be heated in a water bath (temperature 40 to 50°C maximum).

Application :

Before grouting, the tiles and joints must be very clean. Grease, cement and dust residues must be carefully removed. Also check that the screed and adhesive mortar are completely dry and have cured properly.

The FB60 is then poured onto the surface to be grouted and pulled diagonally with a rubber trowel (Ref Höganäs FB83) in order to fill the grout joints perfectly. The grouting should be started at the lowest point so that no cleaning water flows into the spaces remaining to be grouted. Any excess FB60 must be carefully removed with the FB83 trowel, which is passed over the tiles at right angles to make cleaning the tiles easier later and reduce consumption. In order to avoid digging the joints, always work diagonally and apply as little pressure as possible on the trowel.

Open time :

Curing of the mortar begins immediately after mixing the two components. The rate of curing varies according to the temperature:

For T = 8°C, open time: 2 hours.

For T = 24°C, open time: 1 hour

For T = 30°C, open time: 30 minutes

Cleaning :

As soon as the joint starts to cure, i.e. about 1 hour (depending on the temperature) after grouting, you can start cleaning. To do this, wet the surface to be cleaned and emulsify the FB60 with a (black) "Scotch Brite" type disc, taking care not to dig into the joints. Then remove the cleaning water with a squeegee. The cleaning discs must be rinsed regularly to avoid leaving marks on the tiles. Cleaning should be undertaken while the product is fresh, as it is very difficult to remove it once it has cured. Tools and utensils used for preparation and grouting must be cleaned with water before the mortar cures. Cleaning is made easier with the use of hot water. We offer accessories to facilitate the application and cleaning of the FB60, for more information see the *Accessories* data sheet.

Dry time :

Open to light foot traffic : 24h at 20°C.

Open to heavy traffic : 2.5 days at 20°C.

Full cure : 4 days at 20°C.

Grouting on vertical surface :

For grouting on vertical surfaces, a special filler (filler FB60 MUR) must be added to the mortar to increase the viscosity. At a temperature of 20°C, a quantity of approximately 100g of wall filler FB60 MUR per kilo of FB60 is used. The viscosity of FB60 varies with temperature, so the amount of filler to be added must be adjusted as required. However, the quantity added should not exceed 400g/kg.

Protective measures :

When using this product, we recommend that you wear the appropriate safety equipment: goggles, gloves and cream. In people with sensitive skin, FB60 may cause allergic reactions. During installation, the area must be well ventilated.

For more information, please refer to the safety data sheet.

Storage :

FB60 should be stored in a frost-free place. Maximum storage time: 12 months.

The information contained in this sheet is the result of our laboratory tests and is given for information purposes only. The information provided is based on our current knowledge. It is the responsibility of the user to check that this sheet is the most recent. We advise you to carry out preliminary tests before each use. As we have no influence on the use of our products or the installation conditions specific to each construction site, we cannot be held responsible for the final result or any other indirect consequences.

