

Antiacid epoxy adhesive and grout joint floor and wall Range FB30



WINE LABEL — NEW

* 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 |
|---------|--------------------|--|--------------|
| FB30 | In box of 18.32 kg | 4 resins of 1.1 kg + 4 hardeners of de 3.48 kg | Beige / Grey |

Description of product :

FB30 is a solvent-free, water-emulsifiable epoxy-based mortar for the interior bonding and grouting of ceramic floor and wall tiles. Unlike our other tile grout FB60, the finer filler of the FB30 mortar can be used for fine joints starting at 2mm. FB30 does not require any additional special filler to be added to the mortar. Indeed, the texture of FB30 has been specially designed to eliminate any slippage during bonding and any joint dripping during grouting even in vertical walls.

It is presented in two parts, pre-measured in the factory:

Part A: Water emulsifiable epoxy resin

Part B: Hardener + filler

FB30 has been specially formulated for quick and easy application and cleaning. Once the joint is dry, it presents a smooth, non-absorbent and easy to maintain surface.

FB30 has a very good resistance to wear, acids and detergents. It can also be cleaned with a high pressure jet..

Field of application :

FB30 is designed for bonding and grouting ceramic tiles where high resistance to mechanical and chemical attack is required. It is suitable for wet rooms that require frequent cleaning and where wear is important.

Examples: dairies, cheese factories, breweries, fruit juices, ready meals, kitchens, slaughterhouses, salt processing plants, canneries, vegetable factories, chemical, pharmaceutical, cosmetic factories, The FB30 is also the ideal solution for worktops in industrial kitchens, laboratory tables, etc... It also meets EXCELL+ label requirements, and can be used in the wine industry. In the case of specific uses, we remain at your disposal for any information.

Consumption: These values are given as an indication and do not take into account potential losses. Consumption varies according to the tiles and the width of the grouting.


| Adhesive | Thickness | Consumption | Grout joint | Width grout | Consumption |
|-------------------|-----------|-------------------------|---------------------|-------------|-------------------------|
| Notched trowel U6 | ≈ 3-4 mm | ≈ 5.2 kg/m ² | Tiles 215x105x12 mm | 5-6 mm | ≈ 1.7 kg/m ² |
| Notched trowel U9 | 5-6 mm | ≈ 7,7 kg/m ² | Tiles 240x115x10 mm | 7-8 mm | ≈ 1.7 kg/m ² |
| | | | Tiles 200x200x11 mm | 3-4 mm | ≈ 0.7 kg/m ² |



Technical specifications :

The chemical resistance table is available on request.

| Characteristics | Standards | Results |
|----------------------------|-------------------|--------------------|
| Density | Cup | 1,68 |
| Adhesion to ceramics | Internal test | Ceramic breaking |
| Flexural strength | NF EN 12808-3 | 40 MPa |
| Compressive strength | NF EN 12808-3 | 85 MPa |
| Open time | NF EN12004-2 §8.1 | > 20 min ≥ 0.5 MPa |
| Water absorption | NF EN 12808-5 | 0.02g |
| Shrinkage | NF EN 12808-4 | ≤ 0.80 mm/m |
| Slippery resistance | NF EN12004-2 §8.2 | ≤ 0.5 mm |
| Max. operating temperature | Internal test | 70°C |

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|--|--|
|  Société Höganäs Céramiques France SA 23 impasse Gutenberg 38110 Rochetoirin France 21 | |
| EN 12004 : 2007 + A1 : 2012 Improved reaction resin adhesive slip resistant | |
| Reaction to fire | Class E |
| Release of dangerous substances | See MSDS ^{a)} |
| Bond strength: - Initial shear adhesion strength | ≥ 2 N/mm ² |
| Durability : - Shear adhesion strength after water immersion - Shear adhesion strength after heat ageing | ≥ 2 N/mm ² ≥ 2 N/mm ² |

a) MSDS : Material Safety Data Sheet

Preparation:

Always use complete kits. Pour the contents of the filler bag (part B) into a bucket and add the resin (part A). Mix until homogeneous with a slow speed mixer equipped with a spiral mixer. Check that the mortar does not contain any lumps. The mortar is now ready for use. 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 (bath temperature 40 to 50°C maximum).

Application in tile adhesive :

On the substrate previously treated with primer FB67 or primer H, apply FB30 with a U6 or U9 notched trowel. The epoxy-based primer FB67 or primer H is used to ensure good adhesion between FB30 and the substrate. For more information on the application of primers, refer to the corresponding technical data sheet.

Lay the tiles in the mortar immediately afterwards, pressing lightly. Check flatness with a ruler or trowel as work progresses. Practical duration of use in bonding: 20 min at 20°C.

Tile grouting can be started after 24 hours of drying.

Application in grout joint:

Tiles and joints must be very clean, free of grease and dust. Make sure that the screed and adhesive mortar are completely dry and set. Apply FB30 to the surface to be grouted, then pull diagonally with a rubber trowel (Ref. Höganäs FB83) to fill the joints. Remove excess FB30.

As soon as the joint begins to harden (approx. 1 hour at 24°C after grouting), start cleaning. Wet the surface to be cleaned then emulsify with a disk or a pad type "scotch brite" without digging the joints. Remove the cleaning water with a squeegee and rinse with clear water and a damp sponge. Cleaning should be undertaken while the product is fresh, as it is very difficult to remove once hardened. We offer accessories to facilitate the application and the cleaning of FB30, for more information, consult the *Accessories* sheet.

Open time - Emulsifiable / washable after :

2 hours at 8°C ; 1 hour at 24°C ; 30 minutes at 30°C

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

Tool cleaning :

Tools and utensils used for preparation and application must be cleaned with water before the mortar cures.

Cleaning is facilitated by the use of hot water.

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.

Protective measures :

When using this product, we recommend that you wear the appropriate safety equipment: goggles, gloves and cream. In people with sensitive skin, FB30 may cause allergic reactions. During installation, the area must be well ventilated.

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

Storage :

Keep the products in their original packaging, unopened, away from sunlight and frost, in a closed room. Maximum storage time: 12 months after the date of manufacture indicated on the packaging.



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.

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