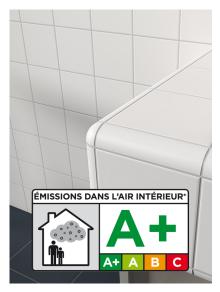
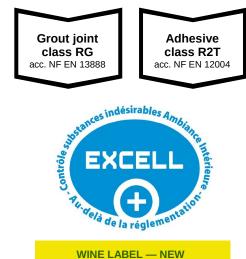


Technical data sheet		
N° CD-HI 312		
July 2023		

# Antiacid epoxy adhesive and grout joint floor and wall Range FB30







\* 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:

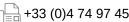
FB30 is designed for bonding and grouting ceramic tiles where high resistance to mechanical and chemical attack is required. It is suitable for wet rooms that require frequent cleaning and where wear is important.

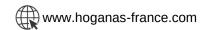
Examples: dairies, cheese factories, breweries, fruit juices, ready meals, kitchens, slaughterhouses, salt processing plants, canneries, vegetable factories, chemical, pharmaceutical, cosmetic factories, .... The FB30 is also the ideal solution for worktops in industrial kitchens, laboratory tables, 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 loses. Consumption varies according to the tiles and the width of the grouting.

Adhesive	Thickness	Consumption
Notched trowel U6	≈ 3-4 mm	≈ 5.2 kg/m²
Notched trowel U9	5-6 mm	$\approx 7.7 \text{ kg/m}^2$

Grout joint	wiath grout	Consumption
Tiles 215x105x12 mm	5-6 mm	$\approx 1.7 \text{ kg/m}^2$
Tiles 240x115x10 mm	7-8 mm	≈ 1.7 kg/m <sup>2</sup>
Tiles 200x200x11 mm	3-4 mm	≈ 0.7 kg/m <sup>2</sup>





## **Technical specifications:**

The chemical resistance table is available on request.

Caracteristics	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/mm²	
Durability: - Shear adhesion strength after water im Shear adhesion strength after heat agei		≥ 2 N/mm <sup>2</sup> ≥ 2 N/mm <sup>2</sup>	

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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