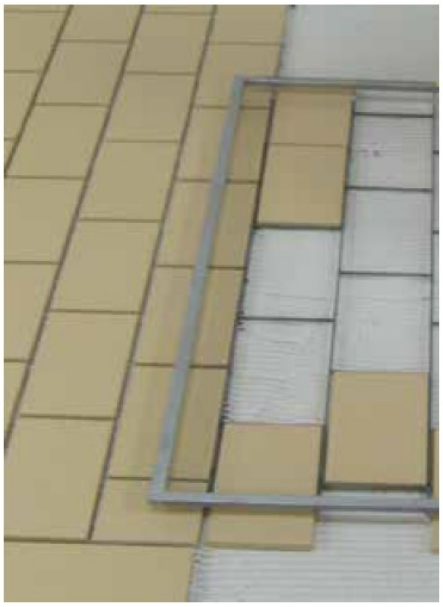
Höganäs
Céramiques France S.A.

Technical data sheet
N° CD-F 105
April 2020

Epoxy antiacid adhesive mortar - Class R2
Range FB67



** 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 :

Adhesive FB67	For 1 kit	Sales unit	Color
Binder FB67	2.60 kg of resin FB67 1.00 kg of hardener FB67	Per box of 10.80 kg (3 resins + 3 hardeners)	White
Filler FB67	14.00 kg of filler FB67	Per bag of 14.00 kg	

Description of the products :

FB67 tile adhesive, based on epoxy resin, is an acid-proof mortar designed for the interior laying of ceramic floors. It consists of three parts, pre-dosed in the factory:

Part A: Epoxy resin FB67
Part B: Hardener FB67
Part C: Filler FB67

Field of application :

Thin set mortar installation with FB67 mortar is recommended for floors exposed to mechanical shocks and chemical attacks. It can be applied both for new work and for repairs, which often have to be carried out without interrupting production. It is the quickest method to carry out repairs that will limit the immobilisation of the area (for example on weekends provided that the requirements concerning humidity, temperature and other specificities of the products used are respected).

FB67 is recommended for industrial floors exposed to temperature and humidity variations, chemical attacks and deformation of structures such as for example manufacturing workshops in the chemical industry, pharmaceutical or food industries, industrial kitchens, ... Indeed, FB 67 has a high resistance to alkalis, most acids, cleaning products, fruit juices, etc....

Consumption :

Adhesive FB67 : approx. 6kg/m2 for 4 mm thickness.
These values are given as an indication and vary in function of the flatness of the concrete support. They do not take into account possible losses.

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Technical specifications :

Characteristics	Standards	Results
Density	Cup	1.96
Open time	NF EN 1346	≥ 3.7 MPa at 30 min

FB 67 mortar is water resistant but, given that it follows the movement of the concrete, this mortar can't be replace by a flexible waterproof layer like FB70 in a construction.
The chemical resistance table is available on request. For further information, please contact our technical services.

CE

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EN 12004 : 2007 + A1 : 2012
Improved reaction resin adhesive

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

Characteristic of the concrete support :

For tile laying, FB67 can be used on concrete, cellular concrete, plywood or metal.
The substrate must be perfectly flat, ruled finish and tamped (tolerance of ±2 mm on a 2 m ruler). If the tolerances and flatness of the substrate are not acceptable, an epoxy RESURFACING mortar must be applied before laying. Slopes must be provided for during the execution of the support.
During laying, the substrate must be perfectly clean and dry: the concrete must be at least 4 weeks old even if a low humidity level is acceptable (max. 5%), however the surface must be absolutely dry.
For maximum adhesion, absorbent substrates (concrete) must be treated with an epoxy PRIMER FB67 or PRIMER H before applying FB67 mortar.
For more information on our primers and our resurfacing mortar, please refer to the corresponding technical data sheet.

Preparation :

Pour the resin into a bucket and add the hardener. Mix for two minutes with a slow speed mixer equipped with a spiral mixer. Then add gradually component C (filler). Continue mixing for 3 minutes to obtain a homogeneous mixture and color. The amount of filler added can be modified by + or - 5% depending on the desired consistency and the ambient temperature during application. However, in order to correct the flatness of the tiles, the mortar must be thick enough to support the tiles.

Application :

Apply the FB67 adhesive mortar in a 3 to 4 mm layer with a notched trowel (U6 type). Immediately afterwards, lay the tiles in the mortar with light pressure. Check the flatness with a ruler or trowel as the work progresses.
Grouting of the tiles can be started after 24 hours of drying.
When laying tiles on vertical surfaces, a special filler (wall filler) must be added to the mortar to make the adhesive slip-resistant. At 20°C a quantity of approx. 100g of wall filler per kilo of FB67 is used.
We offer accessories to facilitate the application of FB50, for more information see the *Accessories* datasheet.

Open time :

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

For T = 20°C, open time: 30 minutes.
For T = 30°C, open time: 15 minutes

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.

Protective measures :

When using this product, we recommend that you wear the appropriate safety equipment: goggles, gloves. In people with sensitive skin, FB67 can cause allergic reactions. The room must be well ventilated during installation.
For more information, please refer to the safety data sheet.

Storage :

FB67 adhesive should be stored in the original packaging, protected from frost and moisture. Maximum storage time: 12 months.

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