

Primers for adhesion on concrete substrates

Range PRIMER FB67 and PRIMER H



* 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 :

Products	For 1 kit	Sales unit
Primer FB67	2.60 kg of resin FB67 1.00 kg of hardener FB67	Per box of 10.80 kg (3 resins + 3 hardeners)
Primer H	3.00 kg of resin FB67 1.60 kg of hardener H	Per box of 9.20 kg (2 resins + 2 hardeners)
HN 0.6—1.6 (S32)	25.00 kg of silica sand	Per box of 25.00 kg

Description of the products :

PRIMARY FB67 and PRIMARY H, based on solvent-free epoxy, are used to guarantee good adhesion between the concrete substrate and the tile or resin flooring. They come in two parts pre-dosed in the factory:

Part A: Epoxy resin

Part B: Hardener

Field of application :

For good adhesion between the concrete substrate and the final floor covering (concrete/adhesive mortar bond FB67 or concrete/DF POX AD single-layer mortar bond), the substrate must be treated with a primer before laying the floor covering. Indeed, the low viscosity of our primers gives them a high penetrating power in the concrete, creating a mechanical anchorage in the concrete. It also improves the strength of the concrete by creating a mechanical strength gradient from the concrete to the final coating.

PRIMER FB67 can be used on dry substrates while PRIMER H was designed to be used on wet substrates. PRIMER H, after drying, gives the surface a sticky appearance and provides a certain elasticity between the coating and the primer layer. Thus, in the case of laying with waterproofing layer FB70, the use of PRIMER H is always to be preferred.

Consumption :

PRIMER FB67 : Between 0.150 and 0.350 kg/m²

PRIMER H : Between 0.150 and 0.350 kg/m²

HN0.6-1.6 (S32) : Between 0.150 and 0.300 kg/m²

These numbers are given as an indication and vary according to the porosity of the concrete substrate.

Technical specifications:

Characteristics	Standards	PRIMER FB67	PRIMER H
Density	Cup	1.09	1.09
Viscosity	Brookfield	310 mPa.s at 20°C	703 mPa.s at 20°C
Pull-off on dry concrete	NF EN 13892-8	> 2.7 MPa	> 2.7 MPa
Pull-off on wet concrete	NF EN 13578	> 1.5 MPa	> 2.7 MPa
Adhesion on concrete	Internal test	Concrete breaking	Concrete breaking

Characteristic of the concrete support :

Concrete must have at least 4 weeks of drying time. Remove all non-cohesive or non-adherent parts as well as any substance that may affect adhesion (dust, paint, wax, oil, etc.). Cement laitance must also be removed, for example by shot blasting. Measure the residual moisture content of the concrete. When humidity is below 3%, use PRIMER FB67. With humidity between 3 and 5%, use PRIMER H. If humidity is above 5%, allow the floor to dry when moisture comes from above the substrate, as in the case of water spillage on the surface, for example when using floors. On the other hand, if the moisture comes from the underside of the slab (rising moisture by capillary action or diffusion), installation is not recommended to prevent any risk of the future covering coming off.

Preparation :

PRIMER FB67 and PRIMER H is prepared in the same way.

Pour the resin into a bucket and add the hardener. Mix for two minutes with a slow speed mixer equipped with a spiral mixer. It is important to always use whole kits only. Indeed, any error in dosing between the resin and the hardener will lead to curing (drying) defects.

Application :

Once prepared, pour the primer on the ground and spread with a roller or scraper. Before the primer dries, we recommend sprinkling the primer with dry sand HN0.6-1.6 (grain size 0.6-1.6 mm) to improve the adhesion between the primer and the next product (tile adhesive FB67, Resurfacing mortar, DF POX AD). In the case of DF POX AD, we recommend applying a second coat of PRIMER FB67, fresh in fresh, between the sanded primer and the DF POX AD mortar.

Sand-sprinkling the primer before applying the FB70 waterproofing coat is not recommended to avoid any risk of puncturing in the FB70 .

Open time :

The curing of the mortar begins immediately after mixing the two components. The curing speed 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 laying must be cleaned with water before the mortar hardens.

Cleaning is facilitated by the use of hot water.

Primer recovery :

Laying the tiles with FB67 adhesive, DF POX AD floor covering or FB70 waterproofing layer can begin 12 hours after application of PRIMER FB67 or PRIMER H. The primers must be covered within 48 hours maximum after laying. After this time, a new coat of primer must be applied.

Protective measures :

When using this product, we recommend that you wear the appropriate safety equipment: goggles, gloves. In people with sensitive skin, PRIMER FB67 and PRIMER H may cause allergic reactions. During the laying process, the room must be well ventilated.

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

Storage :

PRIMER FB67 and PRIMER H must be stored in a frost-free area. 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 laying conditions specific to each work site, we cannot be held responsible for the final result or any other indirect consequences.