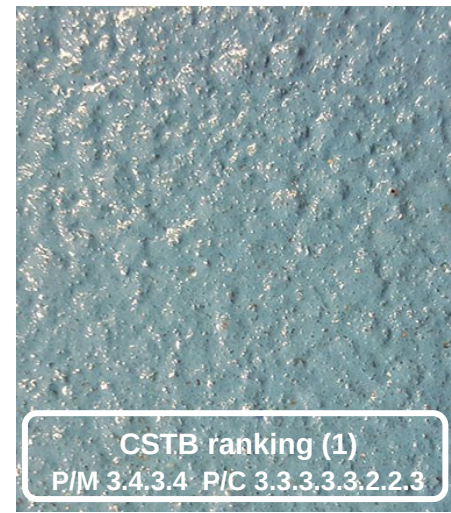


Epoxy mortar flooring system

Systems DF POX AD, DF POX AD XT and DF POX MUR



* 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 :

DF POX AD	For 1 kit	Sales unit	DF POX MUR	For 1 kit	Sales unit
Binder FB67	2.60 kg of resin FB67 1.00 kg of hardener FB67	Per box of 10.80 kg (3 resins + 3 hardeners)	Binder FB67	2.60 kg of resin FB67 1.00 kg of hardener FB67	Per box of 10.80 kg (3 resins + 3 hardeners)
Filler	21.50 kg of filler AD	Per bag of 21.50 kg	Filler	18.0 kg of filler MUR	Per bag of 18.0 kg
Pigment	0.145 kg of pigment AD	Per box of 0.145kg	Pigment	0.09 kg of pigment MUR	Per box of 0.09kg

Description of the products :

DF POX AD is a single-layer, acid-proof and non-slip epoxy resin-based mortar for application with a trowel in thicknesses of 5 to 6mm.

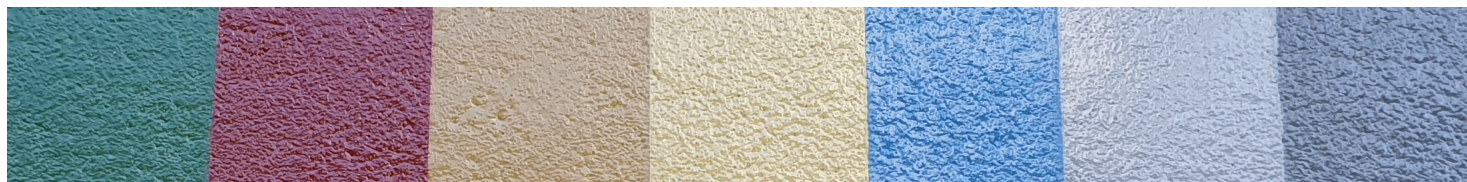
The degree of roughness of the surface can be adjusted during laying on request. Even with a very rough surface, it is easy to clean and does not have holes or microporosity that could cause hygiene problems.

DF POX AD XT corresponds to DF POX AD with a non-slip surface meeting the requirements of the French organism CNAMTS, i.e. with a friction coefficient >0.30.

Compared to multi-layer coatings (a thin layer of quartz on the surface maintained by a thin top coat), DF POX AD is anti-slip in the mass, which ensures that the coating has a very high resistance to traffic, even heavy traffic. DFPOX also has a high resistance to non-cutting impacts, punctures and slippage, as well as high resistance to alkalis, most acids, cleaning products, fruit juices, etc...

For wall raising, there is a variant with the same technical characteristics as the DF POX AD: the DF POX MUR.

DFPOX systems are available in the colors: Green, Red, Ochre Yellow, Cream Yellow, Light Blue, Light Grey, Dark Grey.



Field of application :

DF POX flooring is intended for manufacturing areas in the food, pharmaceutical and chemical industries or any other type of industrial flooring exposed to moisture and chemicals.

Technical specifications :

The chemical resistance table is available on request.

Characteristics	Standards	Results
Density	Cup	2.15
Adhesion on concrete	Internal test	Concrete breaking
Flexural strength	NF EN 12808-3	> 30 MPa
Compressive strength	NF EN 12808-3	> 80 MPa
Max. operating temperature	Internal test	70°C

Floors for industrial used PMC

The DF POX AD system has been classified as suitable for industrial floor deliver by CSTB according to standard 3562:

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CNAMTS Antislip floor

The DF POX AD XT system meets the requirements of the CNAMTS and is on the *List of floor coverings in food manufacturing areas*.

The DF POX AD flooring system 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.

Characteristic of the concrete support and laying conditions :

Allowable supports are : Concrete slab, flooring concrete slab.

During laying, the substrate must be perfectly clean (free of laitance, grease, oil, old paint or dust), dry and adherent (pull-out resistance > 1.5 MPa). For this, the surface of the substrate must be treated by shot blasting. The substrate must be at least 4 weeks old and have a residual moisture content of max. 5%.

The substrate must be perfectly flat, pulled with a ruler and smoothed (tolerance of ± 2 mm on a 2 m ruler). Slopes must be planned during the execution of the support. If necessary, rectify the substrate with an epoxy resurfacing mortar.

Preparation :

The room temperature must be between +15°C and +30°C. The support temperature must be at least +15°C and 3°C above the dew point. These conditions must be maintained throughout the curing process to reduce the risk of carbamation (blushing).

DF POX mortar is applied on a support pre-treated with a primer layer. On perfectly dry concrete, use our PRIMER FB67. Nevertheless, if the conditions on site do not allow to obtain a dry concrete, apply a special primer for wet ground (PRIMER H). For more information on our primers and their application, refer to the corresponding data sheet.

In a countercurrent mixer or equivalent, add the resin, hardener and then the pigment. Start stirring, then gradually add the filler bag. Continue mixing for 2 min. Always keep the same mixing time between kits as too long or too short, a time can affect the color and viscosity (texture) of the mortar. The mortar is then applied and smoothed with the PVC trowel. This operation must be carried out delicately and without force in order to prevent any resin rising to the surface of the flooring. The final thickness of the flooring should be 5 to 6mm. The anti-slip level of the surface is adjusted by the applicator after smoothing the mortar.

DFPOX MUR is applied in the same way as DF POX AD, with a thickness of 3 to 5mm.

Tool cleaning :

DF POX AD and MUR mortars are water emulsifiable. Tools and the mixer can be easily cleaned with hot water. The use of solvents is not recommended.

Open time :

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

For T=20°C, open time: 30 minutes.

For T=30°C, open time: 15 minutes

Dry time :

The time required for restarting depends on the room temperature. At 20°C, the opening to pedestrian crossings is 48 hours, the opening to heavy traffic is 7 days. For colder temperatures, our accelerator for epoxy system FB6 can be used.

Protective measures :

Provide good ventilation of the area. The wearing of appropriate safety equipment is recommended (glasses, gloves). In people with sensitive skin, DFPOX may cause an allergic reaction. For more information, please refer to our safety data sheets.

Maintenance of the flooring :

DF POX AD, DF POX AD XT and DF POX MUR floor coverings can be cleaned by brushing, vacuuming, spraying with water or high pressure. In order to avoid incrustations that are difficult to clean once dry, rinse the floors with water regularly between more thorough cleaning. For cleaning, alkaline as well as acid-based products can be used according to the manufacturer's instructions. After each cleaning, rinse the floor thoroughly with clean water. If the floor is damaged, repairs must be carried out as soon as possible to prevent moisture from penetrating underneath the flooring.

Storage :

Store the products in their original, unopened packaging in a closed and covered room between +15°C and +30°C, away from sunlight and humidity. Shelf life: 12 months after date of manufacture.

(1)The performance level is only valid if the laying is carried out in accordance with the method described in the DF POX AD Systems User Manual and for a thickness of 6mm. Therefore, it is recommended that the laying is carried out by specialised applicators approved by our company.

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.

