

EPO FLUID

Two component, fluid epoxy resin, for monolithic bonding of cracks on concrete with the method of injection

- ▷ Monolithic adhesion between new and old concrete
- ▷ Injective resin for cracks and fissures of at least 3mm width
- ▷ Suitable for anchoring reinforcing rods, bolts and ties
- ▷ Free of solvents
- ▷ Excellent adhesion when bonding new on old concrete
- ▷ High Mechanical Strength



Description

EPO FLUID is a two component injective epoxy adhesive, composed of epoxy resins and fine graded aggregates. Its composition allows to apply EPO FLUID by injecting into the cracks that must be at least 3mm wide. EPO FLUID is suitable for waterproofing and monolithic bonding of cracks and fissures in concrete surfaces in a wide variety of applications as well as for bonding new on existing concrete structures (in example cases of intervals between concrete casting in slabs).

Typical Applications

EPO FLUID is suitable for:

- Monolithic bonding of cracks and fissures with at least 3mm width in cement screeds, concrete floors, industrial floors.
- Monolithic adhesion between fresh and old concrete.
- Waterproofing and bonding cracks on concrete in rooftops, terraces, etc.
- Bonding steel and machine bases to concrete.
- Anchoring reinforcing rods, bolts and ties on concrete.

Application Procedure

Preparation of the mix

Before mixing the two components, it is recommended to shake well each component in its own pot separately in order to achieve the best homogeneity. Then mix very well the two components together until a totally homogeneous mix of grey color is obtained. It is strongly recommended to never mix partially the two components but if this is required from the application then make sure that the mixing ratio is kept exactly as indicated in the labels of the pots.

Substrate preparation

The application substrate must be solid, clean and dry. Remove any loose parts, dust and dirt by grinding using a metallic brush or by carefully sandblasting. Possible existence of moisture might affect negatively the adhesion of EPO FLUID to the bonding surfaces. Cracks and fissures bonded by injection with EPO FLUID, must be first sealed externally with the epoxy paste EPO PASTE. For bonding applications between fresh and old concrete it is recommended to apply EPO FLUID not longer than 2 - 3 hours before concreting depending on the environmental temperature. EPO FLUID can be applied by using a spatula, brush or appropriate injective machine.

Consumption

A quantity of 0,3 - 0,5kg/m² is required for adhesion between fresh and old concrete depending on the substrate or 1,55kg/lit of cavity when applied by injection.

Storage

EPO FLUID remains stable for at least 12 months in the original sealed packaging protected from frost and direct sun light.

Cleaning

Tools should be cleaned immediately with solvent as long as EPO FLUID is fresh. Once hardened, cleaning can be done only by mechanical means and strong removers.

Package

Comp. A: 750gr and Comp. B: 250gr both in metallic buckets in 30 pieces paper box. The two components are already in the correct proportions. Never mix them partially.

Recommendations

- Do not apply EPO FLUID in temperatures lower than +5°C.
- Do not apply EPO FLUID on wet surfaces, even if they are slightly wet.
- Do not apply EPO FLUID upon dusty surfaces or when these are not solid.
- Do not use EPO FLUID for sealing expansion joints.
- The two components are already in the correct proportion. Never mix partially the two components otherwise there is danger that the product will not set properly. In case of partially mixing of the two components, responsibility lies on the applicator.

Warning

The technical data and recommendations contained in this leaflet correspond to the best of our knowledge and experience. All the above mentioned information in any case should be considered as merely indicate and subject to confirmation after long term practical applications. For this reason anyone interested of using the product must be sure before hand that the product is suitable for the envisaged application. In every case the user alone is fully responsible for any consequences deriving from the use of the product. We retain the right of renewal of the data of the leaflet without warning. For the latest and valid version of the Technical Data Sheet refer to use website www.novamix.gr or directly to the following QR code of the product.

ONLY FOR PROFESSIONAL USE

Safety Instructions

For further information please refer to the Safety Data Sheet of the product.

TECHNICAL DATA

Product Identification

Chemical Base	two component epoxy resin
Consistency	Injective fluid
Color	grey
Special Gravity	1,52 gr/m ³
Viscosity (Brookfield)	44
Dry Solids Content	100%
Storage	12 months

Application Data (+23°C & 50% Relative Humidity)

Mixing Ratio (A:B)	3:1
Pot life	30 min.
Temperature Application Range	from +5°C up to +30°C
Initial hardening	5,5 hours
Final hardening	24 hours
Adhesion to dry concrete	> 4,0 Mpa
Adhesion to wet concrete	>2,5 Mpa

Final Performances

SHORE D Hardness	86
Compressive Strength	> 100 Mpa



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