

DECO MORTAR EPOX BI FLUIDA

Fluid two-component epoxy resin for restorations

DESCRIPTION

Deco Mortar Epox BI Fluida Isoplam® is a two-component, solvent-free epoxy-based product, suitable for the rapid restoration of chipped joints and concrete pavements in general.

APPLICATION FIELDS

Deco Mortar Epox BI Fluida Isoplam® is used for various types of use:

- repair of cracked joints and concrete floors;
- anchoring steel structures, poles, railings, tie rods... by pouring (inghisage);
- sealing of pipe holes;
- fasteners in general.

FEATURES AND BENEFITS

Deco Mortar Epox BI Fluida Isoplam® has the following characteristics:

- it is easy to apply: the two components are pre-dosed to avoid weighing errors;
- it does not require anchoring primer;
- hardens quickly;
- it resists well to both static and dynamic stresses;
- its fluid consistency allows the casting volume to be filled optimally, ensuring perfect sealing;
- It is waterproof;
- adheres very well to various types of materials (concrete, wood, metal, natural stone...);
- adheres even on damp surfaces;
- it is an excellent electrical insulator;
- it is solvent-free and therefore improves the conditions of the operator who applies it.

HOW TO USE

Preparation of the substrate.

The surface to be treated must be clean, free of dust and crumbly parts and free from oil and grease stains (sandblasting is recommended).

In the case of a surface made up of metal, sandblasting is recommended in order to eliminate oils, paints and rust.

If Deco Mortar Epox BI Fluida is used as a sealant, take care to create a vent so as to allow the product to fill the entire volume.

Product preparation.

Pour component B into component A and stir slowly for 3-4 minutes with a mixer drill at low rpm (be careful not to incorporate air), taking care to scrape the walls and bottom of the containers well.

In the case of partial use of the package, the two components must be carefully dosed by weight (not by volume) in the mixture ratio also indicated on the label (100+5). Any unused mixture should never be placed in closed containers but disposed of according to regulations.

Application.

The mixed product must simply be applied by pouring.

Tools should be cleaned as soon as possible with isoplam® alcohol.

Notes.

Deco Mortar Epox BI Fluida Isoplam® cannot be applied if temperatures are below +10°C or above +35°C.

TECHNICAL FEATURES

DESCRIPTION	REFERENCE STANDARD	
Flexural strength	EN 12190	50 N/mm ²
Compressive strength	EN 12190	130 N/mm ²
Density of the product cured at 25°C		2.05 kg/dm ³
Elastic modulus		>12000 N/mm ²
Pull-out on bar Ø 16 break to 75 kN	EN 1881	220 kN 0.24 mm
Creep	EN 1544	0.31 mm at 1 gg 0.33 mm at 3 months
Adhesion on concrete		Substrate Cohesive Fracture
Adhesion to steel		>9 N/mm ²
Glass transition temperature <i>T_g</i>	EN 12614	approx. 50°C
Electrical resistivity		ρ 1012

USE AND HARDENING TIMES		
Temperature	Pot life	Curing time
15°C	60 minutes	10 hours
25°C	25 minutes	8 hours
30°C	20 minutes	6 hours

Complete hardening occurs after 7 days.

CONSUMPTION

Consumption is about 20 kg/sqm for 1 cm of thickness.

PACKAGING, STORAGE AND SAFETY

Deco Mortar Epox BI Fluida Isoplam® is available in packs of 5 Kg (A=4.75 Kg; B=0.25 Kg) and 10 Kg



(A=9.5 Kg; B=0.5 kg).

In original packaging, sealed and stored in a protected place, the products remain unchanged for one year if kept in a closed environment with a temperature between +10°C and +30°C. The expiration date is indicated on the packaging.

Consult the safety data sheet before use.

The products that make up Deco Mortar Epox BI Fluida are intended for professional use only.

IMPORTANT:

All information contained in this sheet is based on the best practical and laboratory experiences. It is the customer's responsibility to verify that the product is suitable for the intended use. The manufacturer accepts no liability for the results of incorrect applications. It is recommended to always carry out tests on small surfaces before application. This sheet replaces and cancels the previous ones. The data can be changed at any time. It should also be noted that Isoplam products are intended for professional use and that Isoplam provides periodic training for its customers who request it. Anyone who uses these products without being authorized to do so does so at their own risk.