

DECO MORTAR TIXO MAXI

Thixotropic three-component epoxy mortar for repairs

DESCRIPTION

Deco Mortar Tixo Maxi Isoplam® is a product based on epoxy resins, amine hardeners and quartz (in particle size curve from 0.1 to 1.2 mm), three-component and solvent-free, suitable for the production of adjustment screeds.

APPLICATION FIELDS

Deco Mortar Tixo Maxi Isoplam® is used for various types of use:

- production of trowel screeds with thicknesses between 5 and 12 mm;
- repair of chipped joints;
- repair of concrete floors and formation of driveway ramps or slopes;
- filling of voids following scarification of the floor.

FEATURES AND BENEFITS

Deco Mortar Tixo Isoplam® has the following features:

- its thixotropy allows it to be worked well;
- it has high mechanical resistance (bending and compression), to impacts, abrasion and chemical agents such as lubricating oils, emulsifiers and fuels;
- it can also be applied in high thicknesses;
- rapid hardening without shrinkage;
- 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 dry, clean, free of dust and crumbly parts and free from oil and grease stains (sandblasting or sanding is recommended).

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

Apply the epoxy primer Plam Joint Repair Isoplam®, which is also suitable for damp substrates. Dust the fresh primer with 0.3-0.8 mm quartz and apply fresh on fresh as soon as possible (within 120 minutes at temperatures of 10°C; within 45 minutes at temperatures of 20°C; within 25 minutes at temperatures of 30°C; within 15 minutes at temperatures of 40°C) Deco Mortar Tixo Maxi Isoplam®, in order to avoid detachment.

Product preparation.

Pour component B into component A and stir slowly for 3-4 minutes with a helix/spiral mixer drill (be careful not to incorporate air), taking care to scrape the walls and bottom of the containers well. Then slowly add the C component while stirring until a homogeneous mixture is obtained.

In the case of partial use of the package, the three components must be carefully dosed by weight (not by volume) in the mixture ratio also indicated on the label (A+B+C = 100+30+870). Any unused mixture should never be placed in closed containers but disposed of according to regulations.

Application.

The mixed product must be applied fresh on fresh on the primer by means of an Isoplam® trowel.

If the product is applied on vertical supports or overhead in thicknesses greater than 2.5 cm, it is advisable to create a support formwork until hardening.

The tools must be cleaned as soon as possible with a special Isoplam® Epoxy Thinner.

Notes.

ISOPLAM S.R.L.

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UNI EN ISO 9001:2015 certified company Rev. 04/12/2020

Deco Mortar Tixo Maxi Isoplam® cannot be applied if temperatures are below +10°C or above +35°C.

TECHNICAL FEATURES

DESCRIPTION	
Flexural strength according to UNI EN 196-1 at 25°C	32 N/mm ² after 7 days
Compressive strength according to UNI EN 196-1 at 25°C	85 N/mm ² after 1 day 110 N/mm ² after 7 days
Elastic compressive modulus according to UNI EN 196-1	23400 N/mm ²
Specific Gravity	2.06 kg/dm ³
Adhesion on dry concrete	4.5 N/mm ²

C H E M I C A L RESISTANCE	EXHIBITION 7 DAYS	EXHIBITION 14 DAYS	EXHIBITION 28 DAYS
Sea water	No alteration	No alteration	No alteration
Deionized water	No alteration	No alteration	No alteration
Diesel	No alteration	No alteration	No alteration
Lubricating oil	No alteration	No alteration	No alteration
10% ammonia	No alteration	No alteration	Nicked surface
10% sulphuric acid	No alteration	No alteration	No alteration
10% hydrochloric acid	No alteration	No alteration	No alteration
10% hydrochloric acid	No alteration	Nicked surface	Nicked surface
10% phosphoric acid	No alteration	No alteration	No alteration
20% caustic soda	No alteration	No alteration	No alteration
20% ethanol	No alteration	No alteration	No alteration

USE AND HARDENING TIMES		
Temperature	Pot life	Curing time
10°C	90 minutes	9 hours
20°C	60 minutes	7 hours
30°C	35 minutes	5 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 Tixo Maxi Isoplam® is available in 25 Kg packs (A=2.5 Kg; B=0.75 Kg; C=21.75 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.



The products that make up Deco Mortar Epox TRI Tixo Maxi are intended for professional use only. Consult the safety data sheet before use.

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.