

IPM EPOXY KIT TIXO

Epoxy paste for structural injections

DESCRIPTION

Ipm Epoxy Kit Tixo Isoplam® is a structural paste in a cartridge based on solvent-free two-component epoxy resins.

FIELDS OF EMPLOYMENT

It is used as:

- structural consolidating for cracks, crevices and injuries between 4 and 10 mm in pavements and buildings in general;
- adhesive for glueing stone or marble elements (steps, thresholds...), wood, tuff...
- adhesive to fix the nipples and to putty the cracks before performing the injections with Ipm Epoxy Kit Fluid Isoplam®;
- structural glueing of steel plates to the reinforced cls support (beton plaquet).

CHARACTERISTICS

Its thixotropic consistency, when subjected to injection pressure, allows the mixture of Ipm Epoxy Kit Isoplam® to have a relatively low viscosity, while, when it is in a state of stillness, it returns pasty.

When injected, it is able to penetrate narrow cracks and is easily workable; it then thickens and tightens without seeping.

The product guarantees high mechanical properties and excellent adhesion on heterogeneous media.

The kit is easy to use: the two components are already pre-dosed in a cartridge with separate chambers; it is easily applied with a hand gun or compressed air and, where required, with a brush or spatula, without the operator ever coming into contact with the product.

PREPARATION OF THE SUPPORT

The support must be clean, free of non-cohesive and crumbly parts, dust and cement grout. If possible, sandblast the affected part or at least brush or brush.

In the presence of cracks it is advisable to open them as much as possible, removing the crumbly parts with an abrasive disc and scraper and eliminate the resulting dust residues.

Remove oils, greases and paints and rust (in the case of metal supports) by sandblasting.

USE

Mix the two components of the cartridge by piercing the aluminum seal on the head and slowly thread the stirrer rod to the stopping point. Screw the rod by turning it clockwise and slowly push it to the bottom of the cartridge. Move the rod back and forth for at least 3-4 minutes. Remove the rod by turning counterclockwise.

Insert the cartridge into the gun, extrude the mixed product on the glueing surface and distribute it with a spatula or trowel.

Immediately join the elements to be glued taking care to keep the same pressed in place until hardening (from 12 to 24 hours depending on the temperature). Complete hardening is after 7 days.

In case of using the product in hard-to-reach places, use the appropriate 11 cm injection spout to be screwed to the head of the cartridge instead of the standard white spout.

After mixing the components, the contents of the cartridge must be fully utilised.

Clean the tools with alcohol.

CONSUME

With a 250 ml (375 g) cartridge of Ipm Epoxy Kit Tixo Isoplam® you can fill a volume of 0.25 dm³.

TECHNICAL CHARACTERISTICS

Viscosity at 20°C	20,000 cP
Density at 25°C	1.50 kg/dm ³
Properties after curing for 7 days at 25°C	
Compressive strength	>78 N/mm ²
Tensile strength	>21 N/mm ²
Elongation at break	2.0%
Flexural strength	>23 N/mm ²
Tensile modulus of elasticity	5,000 N/mm ²
Adhesion to dry concrete (C25/30)	>4.5 N/mm ²
Adhesion to damp concrete (C25/30)	>3 N/mm ²
Adhesion to steel	3 N/mm ²

STORAGE, EXPIRATION, WARRANTY AND SECURITY

The cartridges must be kept upright and sealed. IpM Epoxy Kit Tixo Isoplam® can be stored for 18 months if kept in a closed and sheltered environment with a temperature between 10 and 30°C. The expiration date is shown on the packaging.

Consult the product's safety data sheet before use.

Important

The IPM EPOXY KIT TIXO product is formulated to be used as in the above application. The addition of any other product compromises the final result.

All the information contained in this card 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 declines all responsibility for the results of incorrect applications. It is advisable to always carry out tests on small surfaces before application. The data can be changed at any time. This card replaces and cancels the previous ones.

IPM EPOXY KIT TIXO is intended for professional use.