



Techmodur Inyección

Two-component epoxy resin for injecting into cracks

Description

TECHMODUR INYECCIÓN is a highly fluid twocomponent solvent-free epoxy resin for strengthening concrete structures through injection into cracks and fissures.

Fields of application

- Sealing of cracks in concrete structures.
- Strengthening of cracked structures, both horizontal and vertical
- Cannot be applied in moving cracks.

Properties

- Very low viscosity
- Long application time.
- Solvent-free
- Hardens without shrinking.
- Excellent adhesion to the most common construction materials, concrete, mortar, pavements, etc.
- Good adhesion to slightly damp substrates.
- High mechanical resistance.
- High resistance to abrasion.
- Good chemical resistance to diluted mineral and organic acids, alkalis, solvents, oils and petrol.

Method of use

Preparation of the substrate

The cracks must be dry, and be cleaned of dust using compressed air. For vertical cracks, drill a few small holes approximately every 30 cm in which to insert a metal injection tube. Seal the cracks on the outside using a quick mortar so that only the injection tubes stick out. Attach flexible tubes to the metal tubes; these are used to attach the injection equipment.

Application

The two components, A and B, are mixed thoroughly using a low revolution electric stirrer, taking care not to introduce much air.

Applications on horizontal surfaces are carried out simply by pouring. For vertical applications, use the injection tubes prepared previously. The prepared mixture is introduced using an injection pump through the lower injection tube until the resin overflows through the following tube. At this point, close the lower tube and repeat the process in the following injection tube.

Technical characteristics

- Type: two-component epoxy resin
- Colours: transparent
- Density: 1.1 kg/l
- Viscosity at 25°C: < 300 mPas
- Pot-life at 25°C (Tecam 100 g): 60 mins
- Substrate temperature: minimum: +10°C maximum: +30°C
- Initial curing (25°C): 6 hours
- Total curing (25°C): 7 days
- Resistance to compression: 600 -700 kg/cm²
- Flexural strength: 350 -450 kg/cm²
- Adhesion: > 30 kg/cm² (concrete breaks)
- Maximum thickness of the layer: 50 mm.
- Mix proportions:

(in weight):	Comp. A: 82,9 %
	Comp. B: 17,1 %
(in volume):	Comp. A: 78,7 %
	Comp. B: 21,3 %

NOTE:

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