

EPODUR M1



DESCRIPTION

Bi-component, epoxy resin for injection, solvent free, thin liquid, zero shrinkage

CHARACTERISTICS

- Bi-component, epoxy resin for injection
- Solvent free
- Thin liquid
- Zero shrinkage.
- Its fluidity allows regulation of small cracks.
- It presents high adhesion in reinforced concrete and steel.
- It has high resistance to compression, flexion and acids.
- Not affected by alkalis, frosts and humidity.

RECOMMENDATIONS FOR USE

EPODUR M1 is used to implement resin injections in concrete cracks which are 0,1 - 1 mm wide. It is recommended for the repair of cracks on bridges, tunnels, dams, columns, beams that crack due to overload, earthquakes, etc. It guarantees a complete rehabilitation, by bringing back the initial compactness to the building element. It is suitable for bonding new concrete with the existing one. It offers the only solution to the later planting of a metal framework in horizontal or vertical surfaces of reinforced concrete. It bonds the same or different materials, except for polyethylene and Teflon, offering a very powerful bonding dynamic.

SURFACE PREPARATION

The substrate should be free from rotten materials, dust, oils, and water.

TECHNICAL DATA

Base:	Epoxy resin 2 Component
Colour (A+B):	A: Transparency B: Yellow
Viscosity (A + B):	970 cP (Brookfield, 20 rpm, spindle No 3)
Specific weight (A + B):	1,10 Kg/lit
Pot Life:	60 minutes in 20°C (time decreases with increasing temperature)
Application temperature of product:	From + 5°C up to + 40°C
Temperature resistance:	From -20°C up to 100°C
Final resistance:	7 days at 23°C

PRODUCT PREPARATION

Stir the two components A and B in the ratio of 3: 1 with a narrow spatula until you get a homogeneous mixture (3-4 minutes).

APPLICATION

a) Resin injection: Remove from both sides of the crack (in case of plaster) the dust with compressed air, thus cleaning the concrete. Seal with the epoxy putty Epo Anchor throughout the entire length of the crack, by putting injection nozzles every 25 cm. Vertical cracks should be filled by using a multifunctional pistol starting from the lowest point of height and continuing up, sealing the nozzles with caps after pouring EPODUR M1.

b) Framework planting: open holes with a diameter larger than that of the metal framework and in the maximal depth possible. In horizontal surfaces, holes need to face upward. After removing the dust, fill with EPODUR M1, in order for the resin to easily flow after setting the framework.

STORAGE

24 months if stored in a well-closed packaging, in dry places and at temperatures higher than +10°C.

CONSUMPTION

Sealing cracks: 1.1 Kg/l empty volume.

PACKAGING

1 Kg / 4 Kg drums

HEALTH AND SAFETY INFORMATION

Keep out of reach of children. In case of contact with the eyes or swallowing, please seek medical advice immediately and show the contents of the container. Do not dispose the product into drains.

