

## EPOLOT HV 300



Unit of measurement	Pieces/Pallet	Color/other specifications
1 Kg A+B	10 pcs/box	Grey
4kg A+B	4 pcs/box	--



### EPOLOT HV 300

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

#### FEATURES

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.

#### AREA OF APPLIATION

EPOLOT HV - 300 is used to implement resin injections in concretes cracks which are over 3 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 for the later planting of metal framework in horizontal or vertical surfaces of reinforced concrete. It bonds same or different materials, except for polyethylene and Teflon, offering very powerful bonding dynamic.

#### MANNER OF APPLICATION

##### 1. Prepare the surface

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

##### 2. Preparation for application

Stir the two components A and B in the ratio of 3: 1 with narrow spatula as long as a completely homogeneous mixture is created, for 3-4 minutes.

##### 3. APPLICATION

a) Resin injection: Remove from both sides of the crack, in case of plaster, dust with compressed air, thus cleaning the concrete. Seal with the epoxy putty DW 9000 EPO - UNI 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 upward, and seal the nozzles with caps after pouring EPOLOT-LV - 011.

b) Framework planting: open holes with a diameter larger than that of metal framework and in the maximal depth possible. In horizontal

surfaces, holes should be see upward. Once removed the dust, fill that amount with EPOLOT HV - 300, in order for the resin to easily flow after setting the framework.

#### CONSUMPTION

Sealing cracks: 1.1 kg/l empty volume

#### TECHNICAL FEATURES

Chemical base	Bi-component epoxy resin
Color (A+B)	Transparent, Yellow (A: Transparent B: Yellow)
Viscosity (A+B)	970 cP (Brookfield, 20 rpm, spindle No 3)
Specific weight (A+B)	1,10 Kg/lit
Pot life in container	60 minutes at 20°C (time decreases when temperature increases)
Application temperature	From +5°C to +40°C
Thermal resistance	From -20°C to +100°C
Final resistance	7 days at 23°C

#### MECHANICAL RESISTANCES

Resistance according to EN 196-1 in

- Compression 37 N/mm<sup>2</sup>
- Flexion 72 N/mm<sup>2</sup>

Resistance according to EN 1348 at

- Detachment 4 N/mm<sup>2</sup>

#### SHELF LIFE - STORAGE

It is stored in well-closed packaging, in dry places and at temperatures higher than +10°C, for at least 24 months after manufacture date.