

Low viscosity epoxy injection system for the structural repair of cracks in concrete and masonry structures (slabs, beams, pillars...). Application with 1 component injection pump.

## APPLICATIONS

- Structural injection of cracks in concrete and masonry structures. (beams, pillars, slabs...).
- Anchoring of rebars in concrete and brick structures.
- Bonding of structures by epoxy-injection to transfer mechanical strength.

## COMPOSITION

The EPOXINJECT system is a pure, solvent free system containing pure epoxy resin and a hardener.

## CHARACTERISTICS

- Low viscosity.
- High penetration.
- Very good adhesion to concrete, wood and metal, ... (fracture in concrete).
- Excellent mechanical characteristics.

## APPLICATION PRESCRIPTIONS

Mix the pre dosed A and B components. Inject this mixture with a single component pump (manual or electrical) into the crack. Inject as long as necessary to be sure the crack is completely filled with the resin. Also observe the pot life. Remark: only inject in cracks with maximum 5 % humidity.

## TECHNICAL DATA

<b>Colour A component</b>	Yellow transparent liquid
<b>Colour B component</b>	Yellow liquid
<b>Pot life (20°C)</b>	± 30 minutes
<b>Mixing ratio</b>	5 kg A comp / 5 kg B comp
<b>Tensile strength</b>	45 N/mm <sup>2</sup>
<b>Elongation at break</b>	10%
<b>Compression strength</b>	80 N/mm <sup>2</sup>
<b>Flexural strength</b>	65 N/mm <sup>2</sup>
<b>Density</b>	1,00 g/cm <sup>3</sup>
<b>Viscosity (20°C)</b>	ca. 120-150 mPa.s
<b>Viscosity A (42°C)</b>	ca. 240 mPa.s
<b>Viscosity B (36°C)</b>	ca. 25 mPa.s
<b>Viscosity mix (start) *</b>	ca. 70 mPa.s
<b>Viscosity mix (after 10 min) *</b>	ca. 43 mPa.s

\* Indication at higher temperatures. 1 kg mix, initial temperature of 40°C. Actual on the field values may differ.

## PACKAGING

Pre-dosed sets of 10 kg:

- A component 5 kg
- B component 5 kg

## STORAGE

1 year in original packing. Keep dry and cold.

## SAFETY AND HEALTH PRECAUTIONS

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves/clothing, eye protection and face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If on skin or hair: Take off immediately all contaminated clothing. Rinse skin with water/shower.

For more information, consult the safety data sheet.