

TECHNICAL DATA SHEET

TEKINJECT EPOXY 300 is an epoxy injection system for structural repair of cracks in concrete or masonry structures.

Applications

TEKINJECT EPOXY 300 can be used for structural repair of cracks and this in a variable application field:

- Structural injection of cracks in concrete and masonry structures (Slabs, tunnels, beams, pillars,...)
- Transferring mechanical strength by epoxy-injection
- Anchoring bars

Properties

- TEKINJECT EPOXY 300 is a 2-component solvent free system containing pure epoxy and hardener
- Due to the low viscosity a high penetration can be reached.
- High adhesion properties to concrete
- Very good mechanical properties
- Can be used in wet or moist structures.

Technical Data

- Typical values:

TEKINJECT EPOXY 300:

Pot life (23°C)	> 40 minutes
Mixing ratio	100 A-component/ 50 B-component
Density (23°C) EN ISO 1183	± 1,10 g/cm ³
Viscosity (25°C)	± 300 mPa.s
Storage temperature	Between 10 °C and 30 °C

Processing

1. Preparation

For the use of a single component pump a mixture needs to be made by adding the B-component to the A-component in a ratio 1 to 2. This mixture needs to be mixed for minimum 3 minutes.

After this the mixture can be injected into the cracks as long as needed to be sure that the crack is filled with the TEKINJECT EPOXY 300 system. Observe the pot life during work.

Be aware that the temperature of the structure and the ambient temperature will have an influence on the pot life. The higher the temperature, the shorter the pot life.

2. Substrate preparation

Check the quality of the substrate, injection means increased pressure on the substrate, so the substrate needs to be of sufficient strength.

Determine the packers according to the injection technique, substrate dimensions and type of pump. According to the selected packer and injection technique, the holes in the substrate need to be drilled. Tighten the packers well to make sure the injected pressure is distributed.

The distance and pattern of the packers/bore holes depend on the substrate structure and the injection technique. Please consult your TEKINJECT contact person for more information or the specific application manuals of the injection techniques.

Precautions and Safety Recommendations

- Wear safety and protection materials when handling this material (glasses, gloves, protective clothing).
- In the event of contact with the eyes: rinse thoroughly with clean water and consult a doctor.
- In the event of skin contact: rinse with water thoroughly.
- Mix residues of the TEKINJECT EPOXY 300 with sand and dispose of in accordance with local regulations.
- Consult the Material Data Safety Sheet for more information on health and safety regulations.

Company Details

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TEKINJECT BV
Kruisblok 6
2320 HOOGSTRATEN
Belgium

www.tekinject.com
info@tekinject.com