

PRODUCT DATA

STRUCTO-INJECT 1390 VERY LOW VISCOSITY EPOXY INJECTION RESIN

PRODUCT DESCRIPTION

Structo-Inject 1390 is a 2-component, solvent-free injection resin with very low viscosity for injection into cracked concrete.

APPLICATION

Structo-Inject 1390 is used for the structural repair of cracks in concrete columns, beams, wooden spans and anchoring threaded bars into concrete and cracks in masonry, etc.

CHARACTERISTICS

- Very low viscosity.
- Good penetration, even into hairline cracks.
- Very good adhesion to concrete, wood and metal.
- High mechanical characteristics.
- Rapid-hardening.
- Improved pot life over standard injection resin Structo-Inject 1380.

APPLICATION

If using a dual component injection device it is important to maintain the mixing ratio of A/B = 3:1. Before injection is carried out, cracks should be sealed at the surface with a quick-setting mortar or a thixotropised epoxy primer:

The injection ports should be equally spaced along the length of the crack; the interval between should be the same as the thickness of the concrete being injected. After thorough mixing of the two components, inject the Structo-Inject 1390 into the crack with the correct injection equipment (injection pump, grease gun or crack-injector). The injection pressure depends on the size of the crack and working methods, etc.

CONSUMPTION

Dependant on the surface being injected.

SIZES AND WEIGHTS

Standard packaging: 10 kg A / 3 kg B.

CLEANING

Uncured product can be removed with acetone.

Important:

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TECHNICAL DATA (Typical Values)

Appearance	<ul style="list-style-type: none"> • A-Component: Transparent Yellow • B-Component: Transparent Yellow
Pot Life (25°C)	80 minutes
Mixing Ratio (weight)	10 kg A / 3 kg B
Tensile Strength (EN ISO 527)	62 N/mm ²
Compression Strength (EN ISO 604)	106 N/mm ²
Flexural Strength (EN ISO 527)	99.5 N/mm ²
Density (20°C)	<ul style="list-style-type: none"> • A-Component: 1.10 g/ml • B-Component: 0.94 g/ml • Mixture: 1.05 g/ml
Application Temperature	>10°C
Viscosity (25°C)	<ul style="list-style-type: none"> • A-Component: 125 • B-Component: 25 • Mixture: ± 100 mPa.s
Storage Life	24 months after date of production in original, unopened and undamaged packaging, stored dry between + 5°C and + 30°C

PRECAUTIONS AND SECURITY MEASURES

- Ensure sufficient ventilation while injecting.
- Wear protective glasses, gloves and protective clothing.
- Avoid contact with skin and eyes.
- See Safety Data Sheet for more information.

NOTES

- Safety Data Sheets for Structo-Inject 1390 products are available upon request.
- A staff of Technical Service Engineers is available to assist with installation or to answer questions related to Structo-Inject 1390 products.
- For worldwide availability, additional product information and technical support, contact your local sales representative, or call Stonhard at (800) 263.3112.