

Structural Epoxy Injection Resin

PRODUCT DESCRIPTION

This product is a two-component, low viscosity, high strength, 100% solids epoxy designed for sealing cracks in structural materials including concrete and masonry through low pressure, gravity feeding injection. This product can also be used as a high strength adhesive for concrete.

FEATURES

- Ideal for horizontal repairs on concrete slabs
- Ideal for vertical repairs through injection ports
- Interior and exterior applications
- High strength
- Conveniently fits standard caulking tube
- No messy self-mixing through static mixer nozzle
- Low viscosity – easy to inject and flows into small cracks
- Moisture tolerant and blocks moisture

LIMITATIONS

- FOR PROFESSIONAL USE ONLY
- Application temperature: 5°C (40°F) to 43°C (110°F).
If ambient temperature is below 21°C (70°F), condition to 21°C to 30°C (70°F to 85°F).
When applying to open cracks, use dry, oil-free compressed air to blow dust and debris from the crack.
- Minimum age of concrete must be 28 days from date of placement depending on curing and drying conditions.
- Not for use in cracks subject to hydrostatic pressure.
- Not for use in cracks greater than ¼" (6 mm) wide
- Subject to discolouration upon exposure to UV light

APPLICATION

Wear chemical resistant gloves

1. PREPARATION

Minimum age of concrete must be 28 days from date of placement depending on curing and drying conditions.

Application temperature: 5°C to 43°C (40°F to 110°F).

Condition to: 21°C to 30°C (70°F to 85°F).

2. CURING

Tack-free time of 3 hours (2 oz or 60 g) at 25°C (77°F). At temperatures below 25°C (77°F) this product will take proportionately longer time to cure. At temperatures above 25°C (77°F) it will take a proportionately shorter time to cure. Thin layers (5 mil) will become tack-free in approximately 3½ hours 25°C (77°F).

Refer to RCF application instructions.



SAFETY AND HANDLING

Shelf life is 24 months from date of manufacture. Storage temperature: 4°C to 35°C (40°F to 95°F). Corrosive. May cause eye, skin and respiratory irritation. Please refer to the Safety Data Sheet for RCF Structural Epoxy Injection Resin for more information.

CLEAN-UP

Once cured this product can only be mechanically removed so ensure to wipe clean before it dries.

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TECHNICAL DATA

Physical Properties @ 25°C (77°F)

Colour	Clear, light yellow
Brookfield viscosity	300-500 cps
Solids (%)	100
Pot Life (60g)	32~42 minutes
Tack-free time (25°C)	3 hours
Tensile strength (ASTM D412)	7,000 psi
Elongation (ASTM D412)	6%
Hardness (Shore D)	82
Compressive Strength (7 days) (ASTM D695)	11,000 psi
Compressive Modulus (ASTM D695)	350,000 psi
Water Absorption (7 days, ASTM D570)	0.33%
Flexural Strength (ASTM D790)	12000 psi
Shear Strength (ASTM D732)	7000 psi
Slant Shear Bond Strength (ASTM C882)	1500 psi - 2 days 2500 psi - 14 days

NOTE: The properties at left are typical characteristics not to be considered as specifications

CUSTOMER SERVICE

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