

PRODUCT FAMILY

Epoxies &
Protective Coatings

MCT

MC-Epo Inject

Epoxy Injection Resin

Two-component solvent-free epoxy resin for injection and sealing of concrete cracks.

Pot life @ 25°C	Specific gravity @ 25°C	Solids by volume	Packaging
30 minutes	1.1 g/cm ³	99-100%	6 kg: 4 kg base + 2 kg curing agent

Description

MC-Epo Inject is a two-component solvent-free epoxy material designed for injection and sealing needs. The approved source references ASTM C881 Type 1, Grade 1, Classes B and C.

Where to use

- Injection of vertical and horizontal cracks in concrete.

MCT TECHNICAL DATA

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Where to use

- Injection of vertical and horizontal cracks in concrete.

Advantages

- Excellent adhesive for pressure injection of fine cracks.
- Moisture-insensitive bonding to dry or damp surfaces.
- Tough, weather-resistant seal for porous concrete.
- Penetrates deeply into concrete cracks.

Technical data

Solids by volume	99-100%
Specific gravity @ 25°C	1.1 g/cm ³
Mixing ratio	2:1 by weight
Pot life / gel time @ 25°C	30 minutes
Packaging	6 kg: 4 kg base + 2 kg curing agent
Shelf life	12 months under good storage conditions
Touch-dry time	2-5 hours, depending on temperature

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Performance data

Viscosity	300-500 cps
Compressive strength, 28 days	750 kg/cm ²
Tensile strength, 28 days	390 kg/cm ²
Flexural strength, 28 days	500 kg/cm ²
Bond strength to concrete	140 kg/cm ² after 2 days
Water absorption	< 1%

Crack preparation

Remove deteriorated parts from the crack to a maximum depth of 5 mm. Minimum age of new concrete: 28 days.

Mixing

Thoroughly mix component A with component B according to the stated mixing ratio.

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Application

Horizontal cracks may be gravity-fed or pressure-injected. Vertical and overhead cracks must be pressure-injected. Seal areas around entry ports and the crack between ports. Inject neat material using an epoxy injection machine or other mechanical means. Continue until the crack is full.

Safety

Prevent material from entering the eyes, avoid skin contact, provide adequate ventilation, and keep away from sparks and flames where solvent-containing materials are involved.

Cleaning

Clean tools and equipment with a suitable epoxy thinner.

Standards / source reference

ASTM C881 Type 1, Grade 1, Classes B and C

