

PRODUCT FAMILY

Non-Shrink Grout &
Repair Materials

MCT

MC-Epo Grout

Multi-Purpose High-Strength Epoxy Grout

Low-viscosity, rapid-curing epoxy grout with strong adhesion to concrete and steel and resistance to oils, water, alkalis and most mineral acids.

Pot life @ 20°C	Specific gravity	7-day compressive strength	Packaging
1-2 hours	$1.9 \pm 0.05 \text{ g/cm}^3$	$> 750 \text{ kg/cm}^2$	22 / 22.5 kg

Description

MC-Epo Grout is a low-viscosity, high-strength, rapid-curing thermosetting epoxy grout. It provides strong adhesion to concrete and steel and chemical resistance to oils, water, alkalis and most mineral acids. Two grades are identified by the source: Grade 1 fluid and Grade 2 self-leveling / flowable.

Where to use

- High-strength, chemically resistant foundation grouting for maintaining alignment of large mechanical equipment.
- Setting compressors, milling machines, lathes, diesel engines, ball mills and similar heavy industrial equipment.

MCT TECHNICAL DATA

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Technical data

Specific gravity	1.9 ± 0.05 g/cm ³
Pot life @ 20°C	1-2 hours
Compressive strength - 7 days	> 750 kg/cm ²
Tensile strength - 7 days	183 kg/cm ²
Coefficient of thermal expansion (-30°C to +50°C)	2.81 × 10 ⁻⁵ mm/mm/°C
Bond strength to concrete	Exceeds strength of concrete
Shelf life / storage	12 months at storage temperature not exceeding 30°C
Grade 1 packaging	22 kg
Grade 2 packaging	22.5 kg

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Surface preparation

- Concrete surfaces must be clean, sound, dry and free from grease, oil, dirt, efflorescence and laitance.
- Sandblasting is preferred where practical to maximize adhesion.
- Steel surfaces must be clean and free from rust.

Application

- Pour or pump the mixed grout in the same general manner used for conventional grouts.
- The source describes the flow characteristics as excellent.
- Select the placement method according to void dimensions, equipment geometry and site conditions.

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Cleaning

- Clean tools and equipment before the grout sets, using suitable solvents identified by the source such as xylene, toluene or ketones.

Storage & packaging

- Shelf life: 12 months at storage temperature not exceeding 30°C. Grade 1: 22 kg. Grade 2: 22.5 kg.

