

PRODUCT FAMILY

Non-Shrink Grout &
Repair Materials

MCT

MC-Epo Patch F

Two-Component Epoxy Paste for Repair and Bonding

Two-component, 100% solids epoxy paste with high compressive strength, impact resistance, non-shrink behavior and high bond strength to concrete and steel.

Pot life @ 25°C	Density	Mix ratio A:B	Packaging
45-60 min	1.7 g/cm ³	3:2 by weight	5 kg

Description

MC-Epo Patch F is a two-component, 100% reactive epoxy paste. Its high compressive strength provides resistance to impact and dynamic loads, while the non-shrink formulation provides high bond strength to concrete and steel.

Where to use

- Repair of floors exposed to high abrasion and wear.
- Patching cracks and filling joints or voids in concrete, timber, steel, ceramic, marble and granite surfaces.
- Repair of structural elements subjected to high loads.
- Smoothing rough surfaces.
- Bonding marble, granite and ceramic tiles to concrete and steel substrates.

MCT TECHNICAL DATA

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Advantages

- Easy mixing and application.
- High compressive, tensile and bond strength.
- Fast curing.
- High resistance to acids, alkalis, salt solutions and other corrosive chemical solutions.
- Provides a smooth, water-resistant surface suitable for leveling and joint filling.

Technical data

Density	1.7 g/cm ³
Approved mix ratio A:B	3:2 by weight
Consistency	Paste
Colour	White / grey
Pot life @ 25°C	45-60 minutes
Final cure @ 25°C	7 days
Compressive strength @ 25°C	> 600 kg/cm ²
Shelf life	12 months at 25°C in closed containers
Packaging	5 kg: 3 kg resin + 2 kg hardener

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Surface preparation

- New concrete: preferably allow at least 28 days before application; the surface must be clean, sound and suitably roughened for adhesion.
- Existing concrete: remove weak material back to sound concrete and clean away oils, grease, old coatings and dust.
- Steel: remove rust and contaminants; abrasive blasting is preferred to create a suitable bonding profile.
- For tile, marble or granite joints, remove dust and leave the joint dry before applying the paste.

Mixing & application

- Mix both components with a slow-speed mechanical mixer for at least 3 minutes until fully homogeneous.
- Apply with suitable tools such as a trowel or knife for bonding, leveling, crack filling or joint filling.

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Safety & cleaning

- Prevent material from entering the eyes.
- Avoid prolonged or direct skin contact.
- Clean tools immediately after use with a suitable epoxy thinner before the material hardens.

Storage & packaging

- Shelf life: 12 months at 25°C in tightly closed containers.
- Packaging: 5 kg total - 3 kg resin + 2 kg hardener.
- Mix ratio A:B = 3:2 by weight.

