

PRODUCT FAMILY

Non-Shrink Grout &
Repair Materials

MCT

MC-Patch F

Shrinkage-Compensated Fiber-Reinforced Repair Mortar

High-strength, shrinkage-compensating fiber-reinforced mortar for repair of existing concrete or new construction, suitable for spray or trowel application.

Plastic density	28-day compressive strength	28-day indirect tensile	Packaging
2200 ± 100 kg/m ³	50-55 N/mm ²	3.3 ± 0.3 N/mm ²	25 kg

Description

MC-Patch F is a high-strength, shrinkage-compensating, fiber-reinforced repair mortar for existing concrete and new construction. It is formulated for spray or trowel application, with a typical repair thickness of 20-50 mm in one layer.

Where to use

- Floor maintenance repair.
- Sidewalk, driveway and pavement repair.
- Installations exposed to a wide range of temperature and humidity conditions.
- Parking garages, decks, ramps, roadways and other frequently trafficked areas.
- Applications requiring high early strength.
- Deteriorated joints and pipe lining.

MCT TECHNICAL DATA

MC-Patch F

Shrinkage-Compensated Fiber-Reinforced Repair Mortar

Advantages

- Suitable for spray (shotcrete) or trowel application.
- Ready to use - requires only water addition.
- Shrinkage compensation helps minimize drying-shrinkage effects.
- High early and ultimate strength.
- Chloride free.
- Improved abrasion resistance compared with plain concrete, according to the source.
- Appearance similar to plain concrete.
- Low permeability.
- Excellent resistance to aggressive materials, as stated by the source.

Technical data

Appearance	Grey powder containing fibers
Plastic density	2200 ± 100 kg/m ³
Compressive strength - 28 days	50-55 N/mm ²
Indirect tensile strength - 28 days	3.3 ± 0.3 N/mm ²

MCT TECHNICAL DATA

MC-Patch F

Shrinkage-Compensated Fiber-Reinforced Repair Mortar

Technical data & application parameters

Shelf life	12 months in closed bags
Mixing water per 25 kg bag	3.0-3.5 L, depending on required consistency
Repair thickness	20-50 mm in one layer
Packaging	25 kg moisture-resistant bag

MCT TECHNICAL DATA

MC-Patch F

Shrinkage-Compensated Fiber-Reinforced Repair Mortar

Application procedure

- Substrate preparation: surface must be clean and free from contamination; wet the surface before application.
- Mixing: add 3.0-3.5 L of water per 25 kg bag, depending on the required consistency.
- Application: apply by suitable spray equipment (shotcrete) or by trowel. When trowel-applied, force the mortar firmly against the substrate to ensure good contact.
- Curing: proper curing is important. Cure with water or an appropriate curing compound as soon as possible.

Storage & packaging

- Store bags closed and dry. Shelf life: 12 months in closed bags.
- Packaging: 25 kg moisture-resistant bags.

