



MASTER CHEMICALS TECHNOLOGY

MC- PATCH. F

Shrinkage Compensated and Fiber reinforced Patching and Repair Mortar

Description :

MC-Patch .F is a high strength, shrinkage –compensating and fiber reinforced mortar for use in repair of existing concrete or in new construction. MC – Patch .F is formulated for spray or trowel applications. Size of repair may vary from 20 to 50 mm (one layer).

Uses:

- ◆ Floor maintenance repair.
- ◆ Sidewalk, driveway and pavement repair.
- ◆ insulations subjected to a wide range of temperature and humidity conditions
- ◆ Repair of parking , garage , decks and ramps, roadways and other areas subject to frequent traffic
- ◆ Applications requiring high early strength.
- ◆ Deteriorated joints & pipe lining.

Advantages:

- ◆ Application by spray (shotcrete) or by trowel.
- ◆ Ready –to-use requiring only the addition of water for mixing
- ◆ Shrinkage compensation to minimize the effects of drying shrinkage
- ◆ High early and ultimate strength.
- ◆ Chloride free.
- ◆ Increased abrasion resistance- up to 2 times that of plain concrete.
- ◆ Similar in appearance to plain concrete.
- ◆ Low Permeability.
- ◆ Excellent resistance to attack by aggressive materials.

Technical Data:

Appearance	: Grey powder containing fibers
Plastic density	: $2200 \pm 100 \text{ kg / m}^3$
Compressive strength	: $50 - 55 \text{ N / mm}^2$ (28 days).
Indirect tensile strength	: $3.3 \pm 0.3 \text{ n / mm}^2$ (at 28 days) .
Shelf life	: 12 months (closed bags) .

Application Procedure:

- ***Substrate Preparations***

The surface should be clean and free of all contamination. The surface should be wetted before application.

- **Mixing :**

3 to 3.5 liters of water per 25 kg bags , depending on consistency required .

- **Application :**

Apply the material by suitable spray machine (shotcrete) or by trowel . When apply by trowel, the mortar should be forced into the substrate to ensure good contact with the surface .

- **Curing :**

Proper curing is very important. Cure with water or curing compound as soon as possible

- **Packaging :**

25 kg moisture resistant bags

For more details contact **Master Chemicals Technology** technical department

Or visit our website www.mc.com.eg

Master Chemicals Technology

11 Ahmed Kamal str, - Heliopolis

Tel / Fax : 26244491 / 26244492

Mob : 01001615868