



MASTER CHEMICALS TECHNOLOGY

# MC- EPO PATCH

## Epoxy Repair Mortar

### Description:

**MC-Epo Patch** is a two component, 100 % reactive epoxy mortar , due to its high compressive strength, **MC-Epo Patch** has an excellent resistance to impact and dynamic loads. It has a non shrink property and a high bond strength to concrete and steel.

### Uses:

- ◆ Repair of floors subject to high abrasion and wear.
- ◆ Patching cracks and filling joints between concrete floors.
- ◆ Repairing structural members subjects to high loads.

### Advantages:

- ◆ Economic due to easy mixing and application .
- ◆ High compressive, tensile and bond strength.
- ◆ Fast curing .
- ◆ High resistance to acids, alkalis, salt solutions and other corrosive chemical solutions.
- ◆ Shut down time (24-30) hours .
- ◆ Water proofing .

### Technical Data:

Pot Life : 45 - 60 min. at 30 °C

Compressive strength : > 600 kg/cm<sup>2</sup> at 30 °C

Final Cure : 6-8 days at 30 °C

Shelf Life : 12 months at 35 °C in closed containers

Packaging : 4.5 kg two components (4.2kg component A+0.3kg componentB)

## **Method Statement:**

### **Surface preparation**

#### **Concrete Floors :**

##### **1- Freshly poured concrete:**

- ◆ Concrete should be cured for 14 days to improve quality.
- ◆ Concrete surface should be rough and clean to insure bond strength between the epoxy mortar and concrete surface.

##### **2- Old concrete:**

- ◆ Concrete surface should be chipped till sound concrete is reached.
- ◆ The surface should be cleaned from oil, dust, paints etc., to improve high bond strength between epoxy mortar and concrete surface .

#### **Steel Surface :**

The surface should be sand blasted to remove rust .

#### **Mixing**

The two components should be mixed by mechanical stirrer until an even mix is obtained  
(mixing time 3 min.)

#### **Cleaning :**

All tools should be cleaned using epoxy thinner.

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

*Or visit our website [www.mc.com.eg](http://www.mc.com.eg)*

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