



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 ² 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

Master Chemicals Technology

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