



MASTER CHEMICALS TECHNOLOGY

MC- EPO JOINT

Chemical – Resistant mortar

Description :

MC-Epo Joint is a two-component epoxy mortar; it is available in two grades:

1. **MC- Epo Joint NS** : Non sag mortar
2. **MC- Epo Joint SL**: Self-leveling mortar

Uses :

MC-Epo Joint is used mainly for grouting of floor and walls tiles.

Where to Use :

- ◆ Laboratories
- ◆ Food industry
- ◆ Kitchen, workshops
- ◆ In certain cases it can be used as tiling cement, using the thin layer method on any customary substrate such as a cement coating or concrete.

Technical Data :

Specific gravity at 25°C	: 2±0.1 g/cm ³
Pot life at 25 °C	: Approx 1 hour
Delay before cleaning	: ½ hour (depending on the temperature)
Compressive Strength	: Above 700 kg /cm ²
Packaging	: 5.350 Kg (Base 5kg : curing agent 0.350 Kg) 5.260 Kg (Base 5kg : curing agent 0.260 Kg)
Mixing ratio	: 5 : 0.350 (Base : Curing agent) – Self leveling 5 : 0.260 (Base : Curing agent) – Non sag
Consumption for grouting	: 0.6 - 2.2 Kg / m ² of tiling (depending on the width and depth of the joints).
for tiling	: 2 Kg /m ² / mm thickness
Min. application temp.	: 8°C (depending on air and substrate)
Tiling can be put into service at 25°C:	
<i>Pedestrians:</i> 24 hours	<i>Light traffic:</i> 3 days <i>Heavy traffic:</i> 7 days

Advantages :

- ◆ Resistant to acids and acidic materials.
- ◆ Good workability, allowing efficient use at ambient temperature.
- ◆ Resistant to high temperatures (up to + 100°C)
- ◆ Impermeable to seepage.
- ◆ Extremely high mechanical strength.

Method statement :

Joint preparation

Remove deteriorated cement from the joints to depth of 5mm

Mixing

The material must be mixed according to the mixing ratio, It is advisable to prepare time by time the suitable quantity to be applied in about one hour (at 20-25°C)

Method of application

For Tiling: Apply the **MC-Epo Joint** with a notched edge trowel and lay the tiles

For Grouting: Using a putty knife or rubber scraper, fill the joints with **MC-Epo Joint** .

Cleaning

Cleaning of tools and equipments can be done using the suitable epoxy thinner.

Safety precautions

The following notes should be considered.

- ◆ Take precaution to prevent material entering the eyes.
- ◆ Take precautions to avoid skin contact.
- ◆ Provide adequate ventilation.
- ◆ Keep away from sparks and flames (for solvent containing material)

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

Or visit our website www.mc.com.eg