



MASTER CHEMICALS TECHNOLOGY

# MC- Epo Floor – SL 10

## Self-Leveling epoxy floor

### Description:

**MC-Epo Floor -SL 10** is a multi- components epoxy system 1mm thickness formulated with self-leveling properties.

### Field of Application:

**MC-Epo Floor -SL 10** is suitable for:

- ◆ Hospitals, Slaught
- ◆ Warehouses
- ◆ Laboratories & Power plants
- ◆ Textile mills, TV studios , work shops & hangars
- ◆ Exhibition halls , Bakeries & Dairies
- ◆ Chemicals and pharmaceutical plants

### Advantages:

- ◆ The self leveling properties of **MC-Epo Floor -SL 10** provides a smooth and uniform surfaces.
- ◆ Dose not affect the normal growth of bacteria, fungi and alga, so it can be used where hygienic properties is required
- ◆ High resistance to mineral oil fuels, most diluted inorganic acids, alkalis, solutions and organic acids.
- ◆ Produces an extremely smooth finish and gloss surface.
- ◆ Available in high range of colors.
- ◆ Offers high bonding strength, combined with high abrasion and chemical resistance

### Rate of Use:

Primer (MC-Epo prime)	: 200 – 300 g / m <sup>2</sup>
<b>Epo Floor- SL 10</b>	: 1.60 kg / m <sup>2</sup> / mm thickness.

### Technical Data:

Color	: available in high range of colors
Pot life at 25 –30 °C	: 30min.
Tack free time 25 – 30°C	: about 12 hours
Complete curing time at 25 – 30°C	: 7 days
Solvent content	: None
Density at 25 °C	: 1.60 g/cm <sup>3</sup>
Compressive strength	: 600 kg / cm <sup>2</sup>
Flexural strength	: 250 kg / cm <sup>2</sup>
Bond strength	: >15 kg/ cm <sup>2</sup>
Packing	: 29kg( 10 kg Resin +4 kg H ardener +15 Filler )

## Method Statement:

### Substrate preparation

Concrete floors must be clean and dry. Dust, oil, grease and other impurities and faulty sections must be removed. Honeycombs etc. should be patched prior to the application of **MC-Epo Floor -SL 10**.

### Priming

Priming with MC- Epo primer ensures perfect bonding to the substrate.

Mix the two components of MC-Epo primer (Resin & hardener) thoroughly and apply the primer by means of roller, brush or spray. Enough time is allowed for the primer to become tacky before the application of **MC-Epo Floor -SL 10** .

### Mixing

Thoroughly mix the components of **MC-Epo Floor- SL 10** with a low speed mixer for at least 3-5 minutes until a homogeneous, lump free compound is obtained.

### Application

Pour the mixed components of **MC-Epo Floor- SL 10** onto the primed area and spread it uniformly over surface with a notched trowel. After spreading, treat **MC-Epo Floor-SL 10** repeatedly with a spilled roller, this treatment is important to release the fine air bubbles entrapped during mixing.

*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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