



MASTER CHEMICALS TECHNOLOGY

MC- Epo Floor – SL 20

Self-Leveling Epoxy Floor for Concrete

Description:

MC-Epo Floor-SL 20 is a multi- components epoxy system formulated with self-leveling properties.

Field of Application:

MC-Epo Floor SL 20 is suitable for:

- ◆ Hospitals, Slaughter houses & 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 20** provides a smooth and Uniform surfaces.
- ◆ Dose not affect the normal growth of bacteria , fungi and alga .
- ◆ Highly resistance to mineral oil fuels, most diluted inorganic acids, alkalis, Solutions and organic acids.
- ◆ Produces an extremely smooth finish.
- ◆ 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 ²
Epo Floor SL20	: 1.8-2 kg / m ² / mm thickness.

Technical Data:

Color	: available in high range of colors
Pot life at 20 –25 °C	: 30min.
Tack free time 20 – 25°C	: about 24 hours
Complete curing time at 20 – 25°C	: 7 days
Solvent content	: non
Density at 25 °C	: 1.8 g/cm ³
Compressive strength	: 600 kg / cm ²
Flexural strength	: 250 kg / cm ²
Packing	:22.9 kg (5.5 Resin +2.4 Hardener +15 kg Filler)

Chemical resistant:

Material		Resistance range
Sulfuric acid	25%	Excellent
Hydrochloric acid	20%	Excellent
Phosphoric acid	40%	Excellent
Citric acid	10%	Excellent
Oxalic acid	10%	Excellent
Acetic acid	10%	Excellent
Sodium hydroxyde	20 %	Excellent
Ammonia	15%	Excellent
Mineral spirits and oils		Excellent
Acetone		Fair
Xylene		Fair
Salt solutions		Excellent

Method Statement:

Substrate preparation

Concrete floors must be clean and dry. Dust, oil, grease and other impurities and faulty sections must be removed. Honeycombs and holes etc. should be patched prior to the application of **MC-Epo Floor SL20** .

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 squeegee Enough time is allowed for the primer to become tacky before the application of **MC-Epo Floor SL 20**.

Mixing

Thoroughly mix the components of **MC-Epo Floor SL20** 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 20** onto the primed area and spread it uniformly over surface with a notched trowel. After spreading, treat **MC-Epo Floor SL 20** 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

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