



MASTER CHEMICALS TECHNOLOGY

# MC- EPO PAINT W.B

## Water Base Epoxy Coating

### Description:

**MC- Epo Paint W.B.** is a solvent free two components epoxy resin, formulated specially as water based.

### Uses:

**MC-Epo Paint W.B.** is used as a protective and water proofing coating for all types of cement substrates and metal surface.

### Where to Use:

- ◆ Food manufacturing, processing/packing plants.
- ◆ Drinking water reservoirs.
- ◆ Water supply and irrigation projects
- ◆ Pipe and tank linings
- ◆ Hospitals, laboratories, pharmaceutical factories and warehouses.
- ◆ Oil refineries, nuclear plants, power and pumping stations.
- ◆ Industrial structures like paper mills, assembly plants, and workshops. Garages, etc.

### Advantages :

The outstanding and unique properties of **MC-Epo Paint W.B.** provide versatile advantages such as:

- ◆ Non-toxic & Solvent free.
- ◆ Waterproof & Resistant to abrasion.
- ◆ Seals hairline cracks.
- ◆ Resistant to diesel, petrol, mild and numerous solvents.
- ◆ Hygienic and environmentally safe.
- ◆ Decorative and colored finish.
- ◆ Compatible and mixable with water
- ◆ Easy cleaning of coated and cured surfaces.
- ◆ To avoid too early evaporation of fresh concrete.
- ◆ Resistant to bacteria, fungus and root growth
- ◆ Resistant to high temperature (up to 80°C dry heat)

## Technical Data:

Pot life	: 60 min. (at 30°C)
Color	: Available in wide range of colors
Solid content ( by volume )	: 60%
Mixing ratio	: 5:1 by weight ( Base : Curing agent )
Specific gravity at 25°C	: $1.45 \pm 0.05 \text{ g/cm}^3$
Consumption	: 200-300 g/m <sup>2</sup> (one coat)
Drying time	: 8-12 hours (touch dry)
Heat resistant	: Dry heat up to 80°C
Recoating	: 24 hours
Packaging	: 6kg (Base 5 kg: Curing agent 1 kg)
Shelf life	: one year in normal storage conditions.

## Method Statement :

### Surface preparation

Surfaces to be coated must be degreased, clean and contamination free prior to application. any cracks , expansion joints, ..etc. should be properly sealed and cured in consideration of conventional rules. Loose lumps, cement slurry, remains of previous coatings...etc. should be remade by appropriate methods.

### Primer coating

The surface can be coated with MC-Epo Prime as a primer .**MC-Epo Paint W.B** thinned by 10% thinning agent before applying the subsequent coats of **MC-Epo Paint W.B**

### Mixing

Material must be mixed according to the mixing ratio. It's advisable to prepare time by time the suitable quantity to be applied in one hours (at 20 -25°C)

### Method of Application

**MC-Epo Paint W.B.** can be applied by brush, roller, and conventional and airless spray equipment.

### Cleaning

For cleaning tools and Equipments use suitable thinner

## Safety precautions

The following notes should be considered when using MC-Coating materials.

- ◆ Take precaution to prevent material entering the eyes.
- ◆ Take precautions to avoid skin contact.

*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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## Master Chemicals Technology

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