



MASTER CHEMICALS TECHNOLOGY

# MC- Curo 300

## Concrete Curing and Hardening Compound

### Description:

**MC-Curo 300** is a clear slightly viscous liquid, based on sodium silicate solution; it dries to a colorless and stain free surface

### Uses :

**MC-Curo 300** is used as curing compound, unlike conventional surface film forming membranes, **MC-Curo 300** acts chemically with the hydroxides produced by hydration of the cement in concrete to produce a dense, pre-filling, crystalline structure, which reduces the evaporation rate of moisture from the concrete surface.

### Where to Use :

**MC- Curo 300** is used as a curing and sealing compound on large horizontal or inclined surfaces, such as:

- ◆ Airfields & Highways
- ◆ Pavements walls & dams
- ◆ Bridges, foundation slabs and other concrete surfaces.

### Advantages:

- ◆ Easy to apply and economically
- ◆ Reduces incidence of shrinkage cracks.
- ◆ Promotes better strength gain characteristics.
- ◆ Useful as dust proffer, surface hardener, particularly on flooring areas.
- ◆ No film breakdown period involved.
- ◆ Does not interfere with subsequent concrete surface treatments.

### Technical Data:

Appearance	: Clear liquid
Specific gravity (at 25° C)	: 1.42 g/cm <sup>3</sup>
Drying time	: One hour
Consumption	: 3-5 m <sup>2</sup> /kg . (one coat)
Shelf life	: One year
Packaging	: 20 , 200 kg.

## **Method Statement:**

### **Surface preparation**

Apply **MC- Curo 300** as evenly as possible to freshly poured concrete. If the concrete has lost some of its greenness, dampen the surface first with water before applying **MC- Curo 300**.

### **Method of application:**

**MC-Curo 300** is applied by spray, for better surface resistance to abrasion, another coat is recommended after 24 hour.

### **Cleaning**

Clean spraying equipment or roller with a suitable thinner

## **Safety precautions**

- ◆ Take precautions 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)*