



MASTER CHEMICALS TECHNOLOGY

# MC- FLOOR PLATE

## Dry-Shake, Metallic Aggregate Surface Hardener

### Description:

- ◆ **MC-Floor Plate** ready to use dry shake concrete surface hardener contains specially processed anti-rust metallic alloy aggregates, technically selected and tested cementitious binder, plus proven plasticizer, efficient water-reducing admixtures and other important proprietary ingredients.
- ◆ **MC-Floor Plate** produces industry's thickest iron armored surface by the dry shake method for industrial floors needing extra abrasion resistance, impact protection and chemical resistance. Heavier applications are now possible with **MC - Floor Plate** due to new components that help provide complete integration of the required amount of shake into the floor surface at maximum rate of application with minimum effort.

### Recommended :

#### MC- Floor Plate is recommended for :

- ◆ Long life, low maintenance industrial floors.
- ◆ Industrial floor surfaces subject to heavy traffic, severe impact and high abrasion.
- ◆ Areas where surface dusting will affect product purity or the performance of precision machinery.
- ◆ Industrial floors needing extra abrasion and impact armoring at a reasonable installation cost.

### Not Recommended :

For areas exposed to acids.

### Benefits :

#### MC- Floor Plate provides:

- ◆ Dry shake that can be applied easier and thicker than ever before possible.
- ◆ High strength, iron armored floor surface for greater impact protection and wear resistance.
- ◆ High density surface which will resist oil, grease.
- ◆ Floor surface with reduced dusting and rust free.
- ◆ Industrial floor that is easy to clean and maintain.
- ◆ Wear-resistant floor with a smooth or non-slip durable finish.
- ◆ Up to 4 times serviceable life of plain concrete or topping.
- ◆ Water and oils resistance.

**Technical Data:**

Color	: gray
Apparent density	: $1.6 \pm 0.1 \text{ g/cm}^3$
Compressive strength	: $650 \text{ kg / cm}^2$ ( B S 1881 part 4 )
Hardness ( of aggregate)	: 7-8 ( Mohs Scale )
Abrasion resistance	: improved by $260 \pm 10\%$ ( B S 784 )

**Rate Of Use :**

<u>Type of Exposure</u>	<u>Rate of Application (Kg/m<sup>2</sup>)</u>
Light to moderate duty	3.0 To 4.5
Moderate to Heavy Duty	4.5 To 7.0
Extra Heavy Duty	7.0 To 11

(Where an even greater thickness of armor is needed for increased abrasion and impact resistance which would require more than 11.0 kg per square meter or for other unusual application, contact **Master Chemicals Technology** for assistance.)

**Curing:**

Cure with water or any curing compound that are approved by  
**Master Chemicals Technology**

**Precaution:**

- ◆ Do not apply over concrete containing chloride.
- ◆ Do not cure with salt water or brackish water .
- ◆ Do not apply over concrete containing more than 3% entrained air.

**Packaging:**

**MC - Floor Plate** is packed ready-to-apply in 25 kg polyethylene moisture-proof bags. No further measuring or mixing of ingredients is required at the jobsite. Prior to the placement of fresh concrete, the correct number of bags may be put adjacent to the installation area to help insure the specified amount is applied per square meter.

*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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