



## MCON HARD FLOOR (METALLIC)

METALLIC FLOOR HARDENER FOR  
ABRASION RESISTANT TOUGH FLOORS



### Product Description :-

MCON HARD FLOOR (METALLIC) is a ready to use, factory controlled, dry shake, metallic material containing aggregates & special additives which offers resistance to abrasion and wearing of concrete. MCON HARD FLOOR (METALLIC) makes a concrete floor with non-dusty, non-slip, dense and tough characteristics.

### Features & Benefits :-

- Good wear resistance rating.
- Corrosion resistant - Does not contain any ferrous aggregate, so no rusting & erosion of floor, contains metal alloys to give strength and avoid corrosion.
- Ease of application - Pre-mixed powder, easy to dry shake & trowel.
- Increased resistance to oils and grease.

### Areas of Application :-



*Warehouses*



*Factory*



*Shopping Malls*



*Parking Areas*

### Technical Specification :-

Appearance	Grey Coloured Powder
Aggregate	Metallic Alloy
Bulk Density	1.9 - 2.0 kg / Litre
POT Life	2 Hours at 30°C
Spread Ratio	3 to 5 kgs. Per m <sup>2</sup> - Medium Duty
	5 to 7 kgs. Per m <sup>2</sup> - Heavy Duty
Abrasion Resistance	7.8 on Mho Scale
Layer Thickness	2.5 to 3.0 mm at dosage of ~ 5.0 kg/m <sup>2</sup>
Compressive Strength for M 30 Grade Concrete	1 Day - 23.8 N/mm <sup>2</sup> 7 Days - 30.9 N/mm <sup>2</sup>
	28 Days - 40 - 42 N/mm <sup>2</sup>
Resistance to wear IN MM (As per IS 1237:2012)	
Plain Concrete	5.78
Concrete with Top Floor M	9.95





## MCON HARD FLOOR METALLIC

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### Easy To Apply :-

#### Base Concrete :-

- The base concrete should have a minimum cement content of 300 kg/m<sup>3</sup> with low slump of 40-60 mm.
- Improves the quality of concrete mix and enables low w/c ratio to be kept.
- By using MCON SRP 50, work ability of base concrete can be improved with a low w/c ratio.

#### Method Of Laying Base Concrete :-

- The base concrete must be laid in accordance with good concrete practice either in bays or long strips.
- Particular care must be taken at the corners and edges of the bays to obtain good compaction and to maintain level for subsequent trowel operations.
- If too much of free water is seen on the surface, water content in subsequent concrete must be reduced to obviate the presence of free water.
- The time of the application is very important in order to derive full benefits of MCON HARD FLOOR (METALLIC).
- If MCON HARD FLOOR (METALLIC) is applied too early, it will absorb water, hard wearing aggregate may sink to the bottom.
- If application of MCON HARD FLOOR (METALLIC) is delayed, no moisture from the concrete surface will be available to hydrate MCON HARD FLOOR (METALLIC), resulting in poor pitted surface.
- (When tested with Thumb, it leaves an impression but concrete does not stick to the Thumb). (Separate Application guide is available on request). The optimum application rate is 5 kg/m<sup>2</sup> of MCON HARD FLOOR (METALLIC) Powder.



**Coverage :-**  
5 Kg / M<sup>2</sup> For  
Medium Duty Floor



**Packing :-**  
25 Kgs

### Shelf Life :-

- 12 months in original packing if stored at room temperature i.e. 25°C.

An ISO 9001 : 2015 - An ISO 14001 : 2015 - AN BS OHSAS 45001 : 2018

**MCON RASAYAN PVT. LTD.**

Trusted Partner In Construction Chemicals

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