



## MCON HARD FLOOR (NON-METALLIC)

NON - METALLIC FLOOR HARDENER FOR  
ABRASION RESISTANT TOUGH FLOORS



### Product Description :-

MCON HARD FLOOR (NON-METALLIC) is a ready to use, factory controlled, dry shake, cementitious material containing aggregates & special additives which offers resistance to abrasion and wear. MCON HARD FLOOR (NON-METALLIC) makes a 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



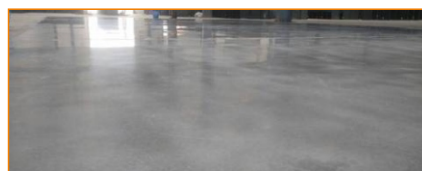
Shopping Malls



Parking Areas

### Technical Specification :-

|                     |  |
|---------------------|--|
| Appearance          | Grey Coloured Powder                               |
| Aggregate           | Graded Carborum Sand                               |
| Bulk Density        | 1.9 - 2.0 kg / Litre                               |
| Spread Ratio        | 3 kgs. for Regular 5 kgs. for Medium               |
|                     | 7 kgs. for Heavy duty floor                        |
| Abrasion Resistance | 6 - 7 on Mho Scale                                 |
| Layer Thickness     | 2.5 to 3.0 mm at dosage of ~ 5.0 kg/m <sup>2</sup> |





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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.
- By using MCON SRP 50, workability 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 (NON-METALLIC).
- If MCON HARD FLOOR (NON-METALLIC) is applied too early, it will absorb water, hard wearing aggregate may sink to the bottom.
- If application of MCON HARD FLOOR (NON-METALLIC) is delayed, no moisture from the concrete surface will be available to hydrate MCON HARD FLOOR (NON-METALLIC), resulting in poor pitted surface.
- As a guide, the application should be made between 1 Hours-1.5 Hour i.e. when surface water on concrete is completely evaporated.
- (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 (NON-METALLIC) Powder.

| Types of Floor | Dosage                |
|----------------|-----------------------|
| Regular        | 3 kg / m <sup>2</sup> |
| Medium         | 5 kg / m <sup>2</sup> |
| Heavy          | 7 kg / m <sup>2</sup> |



**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 : 201 - An ISO 14001 : 2015 - AN BS OHSAS 45001 : 2018

**MCON RASAYAN PVT. LTD.**

Trusted Partner In Construction Chemicals

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