



MCON RASAYAN PVT. LTD.

Trusted Partners In Construction Chemicals



MCON HARD FLOOR

NON-METALLIC DRY SHAKE FLOOR HARDENER

Product Description :-

MCON HARD FLOOR 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 makes a floor with non-dusty, non-slip, dense and tough characteristics. MCON HARD FLOOR is used as a concrete floor hardener for residential, commercial & industrial floors, because it forms a very high abrasion resistant monolithic surface with the parent Concrete.





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Areas of Application :-

- ✓ Warehouses
- ✓ Factories
- ✓ Shopping malls
- ✓ Parking areas and Podiums
- ✓ Restaurants and Hotels



Features & Benefits :-

- ✓ Good wear resistance rating.
- ✓ Impact resistance.
- ✓ Cost effective surface hardener.
- ✓ Ease of application - Pre-mixed mixed powder, easy to dry shake & trowel.
- ✓ Corrosion resistant - Does not contain any ferrous aggregate, so no rusting & erosion of floor.
- ✓ Good mechanical strength.
- ✓ Easy cleaning.
- ✓ Increased resistance to oils and grease.

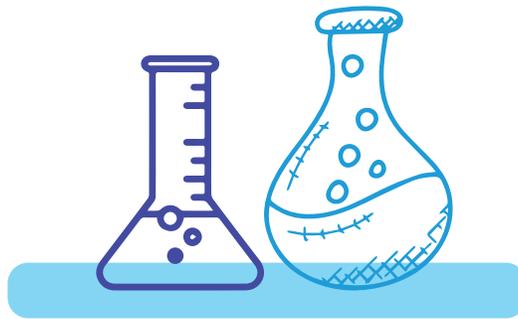


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Technical Information :-

Appearance	Grey Colored Powder
Aggregate	Graded Carborum Sand
Bulk Density	1.5 -1.7 kg / Litre
POT Life	2 Hours at 30°C
Spread Ratio	3 kgs. for Regular 5 kgs. for Medium 7 kgs. for Heavy duty floor
Abrasion Resistance	8 on Mho Scale
Layer Thickness	2.5 to 3.0 mm at dosage of ~ 5.0 kg/m ²





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Method of Application :-

Base Concrete :-

The base concrete should have a minimum cement content of 300 kg/m³ 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.

If MCON HARD FLOOR is applied too early, it will absorb water, hard wearing aggregate may sink to the bottom.

If application of MCON HARD FLOOR is delayed, no moisture from the concrete surface will be available to hydrate MCON HARD FLOOR, resulting in poor pitted surface.



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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 application rate is 5 kg/m² of MCON HARD FLOOR Powder.

Types of Floor	Dosage
Regular	3 kg / m ²
Medium	5 kg / m ²
Heavy	7 kg / m ²

Shelf Life & Storage :-

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

Packing :-

25 kgs. bags

**(Mcon Rasayan has maintained the highest level of Quality and Consistency by following Systems is certified and as an ISO 9001 : 2015, ISO 14001:2015 & ISO 18001:2015 Company.)*

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