



MCON HARD FLOOR LIQUID

LIQUID FLOOR HARDENER & DUST-PROOFER

CONCRETE FLOORING

Product Description :-

MCON HARD FLOOR LIQUID is a ready to use, factory controlled, clear, inorganic, water-soluble, curing, hardening, sealing and dust proofing compound. It is easy to apply, leaves no residue and dries quickly. It contains no VOC s. MCON HARD FLOOR LIQUID makes a floor with non-dusty, non-slip, dense and tough characteristics.

Features & Benefits :-

- Good wear resistance rating.
- Effective consolidation - reduced dusting.
- Cost effective surface hardener.
- Maintains breath ability of surface.

Areas of Application :-



Warehouses



Factory



Shopping Malls



Parking Areas

Technical Specification :-

| | |
|-------------------------------------------------------------------------|---------------|
| Appearance | Clear Liquid |
| Improvement in abrasion resistance over control (ASTM C501 , H22 Wheel) | >40% @ 7 Days |
| Improvement in moisture retention, over Control concrete | >30% |
| Improvement in compressive strength over control (Rebound hammer test) | >15% @ 7 Days |



Coverage :-

One litre will cover approximately 4 – 8 m² depending upon on the texture and porosity of substrate. Because of different surface types and textures, coverage can vary dramatically with this type of material.

Use following chart as guideline :-

| Coverage (m ² / Litre) | | |
|-----------------------------------|-------|-------|
| Finish / Floor Age | Newer | Old |
| Rough Trowel Finish | 3 - 5 | 2 - 3 |
| Broom / Flat Finish | 4 - 5 | 2 - 3 |
| Hard Trowel Finish | 5 - 7 | 4 - 5 |



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Easy to apply :-

Surface Preparation :-

New Concrete :-

Freshly finished concrete surfaces require no surface preparation if Hard Floor Liquid is to be applied immediately after the final finishing operation. On areas where forms have been recently removed, all form oil or bond breaking compound residue must be removed.

Existing Concrete / Terrazzo (Cured 28 Days Plus)

To remove all dust and dirt, sweep all areas to be treated with a fine-bristled broom or hose off with water and let stand until completely dry. The surface must be free from all contaminants that will inhibit the penetration of Hard Floor Liquid into the pores of the concrete. Any curing, scaling, or coating agents must be chemically or mechanically removed before Hard Floor Liquid is applied. If acid is used to remove surface coatings, the surface must be flushed sufficiently and neutralized before application of Hard floor Liquid. A floor buffing machine with an aggressive pad can be used along with citrus degreaser or other cleaners to remove existing compounds. Carry out dry-grinding to remove the top cementitious sealing layer and to open the pores of concrete substrate. Clean the area with water jetting and allow to surface-dry.

Application :-

Hard Floor Liquid is not a film-forming product, but should fully saturate the concrete for maximum effect. Perform enough applications for Hard Floor Liquid to saturate (but not puddle) the concrete by following the instructions below.

New Concrete :-

Spray-apply undiluted Hard Floor Liquid on the concrete surface with a low pressure sprayer following final finishing operation and after all surface water has evaporated and the concrete surface is hard. To ensure proper performance, apply HARD FLOOR LIQUID to the entire surface area as soon as the surface can bear foot traffic. Keep the entire surface wet for 30 minutes by spraying HARD FLOOR LIQUID or by brooming excess material from low spots to saturate dry spots. Keep HARD FLOOR LIQUID from drying out on surface for a full 30 minutes. As HARD FLOOR LIQUID begins to penetrate into the surface, lightly sprinkle the surface with water to aid penetration. As HARD FLOOR LIQUID begins to dry a second time, flush the surface with water and squeegee the surface to remove any excess material and other impurities that were brought to the surface.

Broom / Rough - Finished New Concrete Surfaces :-

Follow the basic application methods as described above. Move excess material with broom instead of squeegee for newly placed concrete. Rough finished concrete will absorb the HARD FLOOR LIQUID material quickly. After 30 minutes, final flushing with water may not be necessary unless puddles of HARD FLOOR LIQUID remain on the surface. Do not let unabsorbed material stand on the surface.



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Existing Concrete / Terrazzo (Cured 28 Days Plus)

Saturate the surface with undiluted HARD FLOOR LIQUID by sprayer, squeegee, or brooming. If dry spots appear, move excess material onto them or re-spray them immediately so that entire surface is wet with HARD FLOOR LIQUID for a minimum of 30 minutes.

Complete job using one of the following finishing options :-

If after 30 to 40 minutes the majority of HARD FLOOR LIQUID has been absorbed into the surface, broom or squeegee any excess material from the low spots so it may be absorbed into the surface or completely removed from it. Flush floor clean with water. Use a floor buffing machine with a non-aggressive pad to help work HARD FLOOR LIQUID into fully cured concrete during application.

Drying Time :-

HARD FLOOR LIQUID penetrates in approximately ½ – 1 hour per application, influenced somewhat by temperature, humidity, and job conditions. Each application must penetrate thoroughly before proceeding with next. A floor treated with HARD FLOOR LIQUID must completely dry before accepting any traffic. Allow 24 hours before subjecting to heavy traffic.

Finishing :-

Dry buffing 24 hours after the application will improve the sheen of finished floor. With time (after three to nine months) sheen would improve on the surface due to improved sealing and polishing with use.

Shelf Life :-

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



Packing :-

50 Ltr

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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