

FloorHard

MISCELLANEOUS

FloorHard is a proprietary blend of soluble reactive silicate (SRS) plus surface active agents which penetrates into the concrete and reacts with the free calcium and lime to form an insoluble by-product that closes the porosity, increase the mass, strengthens, hardens and seals the concrete. FloorHard is durable and resistant to damage by chemicals and mechanical abrasion. FloorHard floors develop a sheen over time.

FloorHard is non-toxic, non-hazardous, non-flammable and contains zero % VOC content. FloorHard contains a blend of reactive silicates and surfactants which facilitates deep penetration into the concrete.

FloorHard concrete sealer is designed primarily to seal, protect, harden, dust proof and increase the durability and abrasion resistance of concrete floors.

Features:

- No skin or film formation. FloorHard is in the concrete, not on the surface
- Permanent sheen over time
- Ease of maintenance.
- Inhibition of chemical attacks.
- Form a solid by-product in the micro cracks.
- Enhances the adhesion of polymer coatings (Epoxy, EPU and PU).
- Maintain natural appearance of concrete.
- Hardens concrete, minimizing surface dusting, pitting, spalling and hairline cracking.
- Seal, harden, dust proof and protect.
- No osmotic blistering.

Application areas:

- Factory floors.
- Loading ramps.
- Bridge decks.
- Drive ways.
- Fueling stations.
- Tank farms.

Direction to use:

Surface preparation:

New concrete:

- 7 days curing minimum required. No surface preparation is needed.

Old concrete:

- Clean the surface thoroughly so that it is permeable.
- Strip off coatings, sealers or anything that would prevent FloorHard from penetrating into concrete.
- The concrete must be completely dry before you apply FloorHard.

FloorHard:

- FloorHard is applied in one or two applications depending on the porosities.
- Spray FloorHard on the floors, scrub the floor until it is absorbed in, then it is let dry.
- After 4 - 6 hours, second application is carried out.
- Do not get the treated floors wet for 12 hours.
- FloorHard starts curing immediately and reaches its full cure in about 75 days. The surface can however, be used as soon as it is completely dry (12 hours).

Average coverage of FloorHard:

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|--------------------------|---------------------|
| • Power Trowelled finish | :4 - 5 sq m / litre |
| • Broom finish | :3 - 4 sq m / litre |
| • Old concrete | :2 - 3 sq m / litre |