

POLY FLOOR HARD SC

Monolithic, Non-metallic, Dry Shake for stamped concrete

DESCRIPTION

POLY FLOOR HARD SC is a premixed colour surface hardener for stamped concrete which contains hydraulic binders and synthetic mineral aggregates. It is applied on to fresh concrete to obtain an abrasion and chemicals-resistant floor finish and to color the stamped concrete.

COMPOSITION

POLY FLOOR HARD SC is a blend of graded synthetic mineral aggregates, cement, plasticizers and special additives to provide a material which is easy to trowel to achieve a non porous, hard wearing abrasion and chemicals-resistant floor finish.

USES

- Person walkways
- Around swimming pools area
- Workshops, garages, chemical factories, warehouses, shipyards, docks
- Power stations, car wash areas and aircraft hangers
- Food processing units, detergent and household manufacturing units, ...etc

FEATURES

- Economical, easy to use and premixed
- Resistant to industrial chemicals, oils, grease
- Wear and tear, abrasion and impact resistant
- Ideal for interior and exterior locations
- Available in various colors
- Forms a monolithic bond with fresh concrete

SPECIFICATIONS

- Color: (All colors available upon request)
- Specific Gravity: 1.71
- Compressive strength: 70 N/ mm²
- Abrasion resistance: 300% of untreated concrete
- Standards: 85 - 1881 part 116
- ASTM C 779 - 89

APPLICATION

- **Base Concrete pre-requisites**

The base concrete should have a minimum slump of 75 - 100 mm. The concrete mix should be laid and compacted in accordance with good concrete practice and care for the edges and corners. The concrete mix should be designed to minimize segregation and bleeding.

- **POLY FLOOR HARD SC APPLICATION**

POLY FLOOR HARD SC should be applied as it to fresh concrete by dry shake method. It should be applied when light foot traffic leaves an imprint of 3 - 6 mm on the concrete surface.

The application is carried out as follows:

1- Carry out the first broadcast amounting to 2/3 of the specified quantity on the concrete surface. When the broadcast material absorbs moisture from the base concrete, it becomes dark in color. It is then surface treated with the wooden or power float machine.

2- Immediately apply the second cast evenly on the surface by spraying it in a directions perpendicular to the first application. When the surface absorbs moisture it should be floated thoroughly.

3- Apply the STAMP RELEASE to printing procedure to.

3-1 making an isolation layer between COLOUR HARDNER and TEXTURE MATS.

3-2 making colours interferences between C.H. and RELEASE COLOURE after finishing.

The consumption of stamp release is (100-125 gm / m²).

4- Stamp the colored green concrete surface with TEXTURE MATS to the desired pattern.

5- (2-3) days after printing, wash the concrete stamped surface by water to remove the excess STAMP RELEASE, and leave the concrete to dry.

6- Making the desirable repair if need.

7- Once the concrete is completely dry, apply solvent base STAMP SEALER at rate of 200-250 gm, by using brosh, roller or spraying.

BAY EDGES

Extreme care and attention should be given to bay edges and corners as they endure heavy wear and impact.

a- Immediately after leveling the fresh concrete, sprinkle **POLY FLOOR HARD SC** by hand at a rate of 5 kg/m² in strips of 10cm width alongside the bay edges (i.e. 0.5 kg/running meter).

b- Immediately after leveling the fresh concrete, remove a wedge of concrete 10 mm deep at the edges, then apply a stiff mass of **POLY FLOOR HARD SC** mixed with clean water. This must be fully compacted to the base concrete. The reinforced areas will be further strengthened when subsequent full application is completed.

COVERAGE

2 Kg/m² for light traffic.

3.5 Kg/m² for medium traffic.

5 Kg/m² for heavy traffic.

PACKAGING

POLY FLOOR HARD SC is supplied in 25 kg double-layered bags.

STORAGE

Store under cover away from direct sunlight and protect from extreme temperatures.

SHELF LIFE

Up to 12 months if stored properly per recommendations above.

CURING

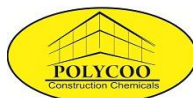
Water is recommending for use for all types of concrete floor curing.

CLEANING

Any remains or spillage can be removed with water.

HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Always use protective clothing such as gloves and goggles, and treat any splashes to the skin or eyes with fresh running water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.



Under technical collaboration with

Polycoo Industries Ltd.

Sole distributor in Egypt: Polycoo Company

www.polycoo.com

5 Kamel Sedki Street, Ramsis Square, Cairo, Egypt

Sales Tel.: ++202-5918653/++2025918053/++20-122-3102700 Fax: ++202-5918053