



Pre-Mixed, Non-Metallic, Ready to Use, Abrasion Resistant, Dry Shake Floor Hardener For Use as Monolithic Topping for Concrete Floors and Slabs Under Heavily Trafficked Conditions

General

SS - FloorTop Std. is a blend of selected cements and fillers, additives and well graded, extremely hard, abrasive resistant aggregates based on Corundum. The product is supplied in a ready-to-use form to be broadcast on concrete floors, when still in the green stage, to create a monolithic, wear resistant, impermeable, floor topping. Due to its extremely abrasion resistant ingredients, **SS - FloorTop Std.** is suitable for use in a variety of industrial, commercial, storage or public utility areas where extreme resistance to abrasion is needed due to heavy pedestrian, goods, or vehicular (cars, forklifts, etc.) traffic.

SS - FloorTop Std. increases the surface density and toughness of concrete floors and slabs and renders them resistant to abrasion, wear and ingress of water, fuels or oils. The aggregates being non-metallic, do not corrode and the compound is chloride free, and therefore non-corrosive to reinforcement.

Proper application and curing renders the floors durable, maintenance free, dust free and non-slip in nature. **SS - FloorTop Std.** is an economical alternative to Epoxy or PU Flooring and can be used for both indoor or outdoor applications, where resistance to impact, abrasion, rolling, etc. is needed in a concrete slab.

Product Features

- Non Metallic
- Does not Corrode or Promote Corrosion (Chloride Free)
- Extremely Abrasion Resistant
- When set, forms a monolithic, abrasive resistant topping for RCC Floor Slabs
- Forms a dense, extremely hard concrete floor surface that is resistant to impact, rolling or abrasive forces
- Due to densifying nature of ingredients, floors become impermeable to ingress of water, fuels, and oils
- Dust Free and Durable Floors
- Improves slip resistant of industrial floors
- Most suitable to create anti-wear layers on floors



Areas of Application

- Heavy machinery industry, automotive parts & assembly, metallurgy, tanneries, breweries, dairies, power plants, paper and pulp, etc.
- Warehouses, loading and unloading areas in transport, logistics and forwarding companies, container yards, etc.
- Suitable for use with vacuum dewatering in heavy wear areas like roads, driveways, runways, etc.
- Garages, Workshops, Airport Hangars, Parking Garages, shipyards, etc.
- Parking areas, malls, exhibition halls, stadiums, railway stations, etc.
- Any area where abrasion resistance is needed



Areas of Application

Specification Keywords	Non-Metallic Floor Hardener, Abrasion Resistant, Wear Resistant, Impermeability, Petrol / Diesel / Oil Resistant, Water Resistant, Slip Resistant, Durable
Delivered As	Grey Powder
Storage Instructions	Store in original, unopened packaging in a cool, dry place. Protect from heat and moisture.
Shelf Life	12 months from date of manufacture
Post Use	Use Complete Packs, Dispose packaging according to local regulations.
Packing Size	30 kg



Hazards and Safety



Technical Data

Sp. Gravity	1.8 +/- 0.1
Moh's Hardness	7-8
Consumption	2.5 to 4.0 kg / sq. m for light traffic conditions
Consumption	4.0 to 6.0 kg / sq. m for medium traffic conditions
Consumption	6.0 to 8.0 kg / sq. m for heavy traffic conditions

Instructions for Use

Broadcast **SS - FloorTop Std.** on the surface of fresh concrete before it starts to set. This can be done either manually or mechanically. When applied manually it must be applied in two layers, while mechanical application may be completed in a single layer application. **SS - FloorTop Std.** can be used on new concrete floors.

It can also be used for rehabilitation of old floors, by applying the product to a compensating screed layer. In any case, the material needs to be broadcast on a good concrete base, achieving a compressive Strength of 30 MPa or more. The w/c ratio of concrete needs to be controlled by use of suitable superplasticizers or by use of vacuum dewatering (tremix) systems.

For the first layer, broadcast **SS - FloorTop Std.** at 60% of the total consumption. As soon as **SS - FloorTop Std.** has absorbed the moisture in the concrete slab, it must be blended in and smoothed over by power troweling. As soon as this phase has been completed, broadcast the remaining **SS - FloorTop Std.** over the entire surface, in an even second layer. Repeat the power troweling procedure and complete the finishing of the floor.

Mark a fixed area on the floor and proper quantity of **SS - FloorTop Std.** should be measured as per consumption. Apply as directed. Apply **SS - FloorTop Std.** when the base concrete has almost reached initial set and is suitable for light foot traffic. The bleed and surface water should not be present. Early application will cause **SS - FloorTop Std.** to sink and probably cause dusting. Late application of **SS - FloorTop Std.** will not hydrate the binder and probably lower the strength of the floor.

Curing is essential. Treat areas next to walls, columns and bay edges first. Broadcast **SS - FloorTop Std.** in perpendicular directions in two operations.

Use the material in full packs only. In case part pack quantities are needed, empty the pack, mix the contents thoroughly and use.

Safety and Precautions

SS - FloorTop Std. contains cement that when in contact with water, sweat or other body fluids causes irritant alkaline reaction and allergic reactions to those predisposed. It can cause damage to eyes. Wear protective gloves and goggles and take the usual precautions for handling chemicals while using. If inhaled, move immediately to fresh air. In case of skin or eye contact, flush immediately with water for 15 minutes.

Clean up promptly after job is complete. Clean equipment with water and allow to dry in a well-ventilated area. Allow rags etc. to dry in a well-ventilated area out of the reach of children and pets. Local, state and federal regulations should be consulted for proper disposal procedures.