



Non-Metallic, Ready to Use, Highly Abrasion Resistant, Coloured Dry Shake Floor Hardener For Use as Monolithic Topping for Concrete Floors

General

SS - FloorTop CL is a blend of selected cements and fillers, additives and very well graded, extremely hard, abrasive resistant aggregates based on Corundum. The product is supplied in a coloured, ready-to-use form to be broadcasted 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 CL** 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) traffic.

SS - FloorTop CL 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 CL** can be used for both indoor or outdoor applications, where resistance to impact, abrasion, rolling, etc. is needed in a concrete slab.

SS - FloorTop CL is available in different coloured versions.

Product Features

- Non Metallic
- Coloured Finishes
- 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 applications with vacuum dewatering process in heavy wear areas like in Roads, Driveways, Runways etc.
- Garages, Workshops, Airport Hangars, Parking Garages, shipyards, etc.
- Parking areas, malls, exhibition halls, stadiums, railway stations, etc.



Areas of Application

Specification Keywords	Non-Metallic Floor Hardener, Abrasion Resistant, Wear Resistant, Impermeability, Petrol Resistant, Diesel Resistant, Oil Resistant, Water Resistant, Slip Resistant, Durable
Delivered As	Coloured 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

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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 4.0 to 6.0 kg / sq. m for medium traffic conditions 6.0 to 8.0 kg / sq. m for heavy traffic conditions

Instructions for Use

Broadcast **SS - FloorTop CL** 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 CL** 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 systems.

Mark a fixed area on the floor and proper quantity of **SS - FloorTop CL** should be measured as per consumption. Apply as directed. Apply **SS - FloorTop CL** 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 cause dusting and late application will not hydrate the binder thereby lowering the strength of the floor. Curing is essential. Treat areas adjacent to walls, columns and bay edges first. Broadcast **SS - FloorTop CL** in perpendicular directions in two operations.

For the first layer, broadcast **SS - FloorTop CL** at 60% of the total consumption. As soon as **SS - FloorTop CL** 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 CL** over the entire surface, in an even second layer. Repeat the power troweling procedure and complete the finishing of the floor.

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 CL 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.