



CRETETOP

MONOLITHIC SURFACE HARDENING COMPOUND FOR FRESH CONCRETE FLOORS

CRETETOP DRY SHAKE SURFACE HARDENER

Description

CRETETOP Dry Shake Surface Hardener is a hard wearing, factory blended ready to use cementitious system with a blend of 100 % pure emery -tuff and special fillers that hardens freshly poured concrete. CRETETOP Dry Shake Surface Hardener provides a highly abrasion resistant surface for concrete floors by the dry shake- on method which ensures that the hardwearing surface bonds monolithically to the base concrete. They are ideally suited for all industrial areas subject to light or heavy traffic.

Advantages

- Supplied ready to use - no additives required
- Provides a hard, abrasion resistant surface
- Forms monolithic bond with fresh concrete base
- Hard, dense surface resistant to oils and grease
- Can be coated with different types of epoxy or polyurethane floor systems available in a range of colours to improve working environment.
- Non-metallic aggregate - will not rust when wet

Areas of Use

It is typically applied as a dry shake over freshly placed concrete in industrial, commercial, loading bays, Factories, Warehouse, Car Park, Trucking Lanes, Workshops, Garages, Subways, power Stations & Abattoirs.

Application

- **Base Concrete**
The base concrete should have a minimum cement content of 300 kg/m³ with low slump of 40-60mm. This improves the quality of concrete mix and enables low w/c ratio to be kept. By using VINKOPLAST -SP 634, workability of base concrete can be improved with a low w/c ratio.
- **Method of Laying Base Concrete**
The base concrete must be laid in accordance with good concrete practice either in bays or long strips. Particular care must be taken at the corners and edges of the bays to obtain good compaction and to maintain level for subsequent trowel operations. If too much of free water is seen on the surface, water content in subsequent concrete must be reduced to obviate the presence of free water.
- **Application of CRETETOP Dry Shake Surface Hardener**
The time of the application is very important in order to derive full benefits of CRETETOP Dry Shake Surface Hardener, If CRETETOP Dry Shake Surface Hardener is applied too early, it will absorb water, and hard wearing aggregate may sink to the bottom. If application of CRETETOP Dry Shake Surface Hardener is delayed, no moisture from the concrete surface will be available to hydrate CRETETOP Dry Shake Surface Hardener resulting in poor pitted surface. As a guide, the application should be made between 1 Hours-1.5 Hour or when surface water on concrete is completely evaporated. (When tested with Thumb, it leaves an impression but concrete does not stick to the Thumb). The application rate is 3-5 kg/m² of CRETETOP Dry Shake Surface Hardener





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The application is made in two stages:

1. First 50% of the required material is broadcast evenly and when the surface darkens with the absorption of water, the surface is floated.
2. The second application is made immediately, by evenly broadcasting the balance 50% material and when the surface has darkened with the absorption of water, the surface is floated.

Power floating would be ideal. Floating is recommended with half or full disc. The second troweling is done after the surface has sufficiently stiffened i.e. after two hours after the first troweling, to close any pores and remove any undulations on the surface. Final hand troweling is recommended to remove any disc marks. For additional technical support please contact us or your local distributor for CORSTRUCT Building Product System.

Consumption

CRETETOP Dry Shake Surface Hardener is applied at the rate of 1.5 kg/m². Greater application on rates may be used with special considerations

Curing

After final troweling, as soon as the surface has hardened sufficiently, to prevent damage, it should be covered with a polythene sheet and made air tight by placing sand all-round the sheet for a minimum period of 7 days. Alternatively curing by ponding is recommended for a minimum 7 days.

Technical Information

Application Rate (kg/m ²)	Intended Traffic Use	Avg. Wear (IS:1237 – 1980)
7.0	Heavy	< 2mm
5.0	Medium	> 2 < 3.5mm
3.0	Light	> 3.5 < 4mm

Precaution

CRETETOP Dry Shake Surface Hardener contains cement that when in contact with bodily fluid may cause irritation and other allergic reaction to those predisposed. If CRETETOP Dry Shake Surface Hardener comes in contact with bodily fluid or eyes rinse immediately with copious amount of water and seek medical attention immediately. Please refer to the most recent MSDS for more information.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

