VICAFLOOR-DSP®

Edition 11016

Polymer Modified Heavy duty Abrasion and Impact resistant Surface Hardener

Description

Vicafloor-DSP is a one component Surface Hardener based on **Prompt** cement, special redispersible polymers, hardwearing graded aggregates, mineral additives and admixtures. **Vicafloor-DSP** is sprinkled on fresh concrete floors as a dry shake to act as a Heavy duty Abrasion and Impact resistant surface Hardener. **Vicafloor-DSP** is Provides enhanced smoothing, easier troweling, Self-curing, shiny surface, higher water resistance, more dusting resistance & easier to clean. After proper smoothing and hardening, the surface may be dry polished to expose the aggregates and obtain a smooth, shiny and easy to clean surface. The mix contains no chlorides, ferrous metal or other deleterious materials.

Advantages

- Outstanding abrasion and scratch resistance.
- Abrasion resistance increased at least 60% from the reference concrete.
- Reduced surface Dusting.
- Shiny surface.
- Low consumption rate.
- Very economic and easy to apply.
- Characteristics improvement over 10 years.
- Resists carbonation providing excellent protection for steel reinforcement.
- Formulated for short and long term efficiency.
- Excellent adhesion.
- No free lime, all the hydration products are solids.
- Decreased permeability to water & Oils.

Uses

Vicafloor-DSP provides an extremely durable, high strength, impact, scratching and abrasion resistant floor which can be used in but not limited to the following:

- Ware houses, Workshops & production facilities
- Sidewalks and pavements
- Car service stations & Fuel Stations
- Garages & Car parks
- Places subjected to high vehicle traffic
- Any other place where High scratch and abrasion resistance are required

Standards & Specifications

Color	Cement Grey (Other colors may be available upon request)
Toxicity	Non-toxic
Wear Resistance According to EN 13892-3	9 $Cm^3/50\ Cm^2$

Package & Coverage

Vicafloor-DSP is supplied in 25 Kg packs.
The average rate of application is 2 Kg / m². Allowance should be made for any possible wastage when estimating.

Application Instructions

Surface Conditions
The flooring concrete should be well designed for a compressive strength not less than 25 Mpa, with enough cohesion in order to avoid any possible plastic settlement, bleeding and segregation.
The concrete surface must be well compacted & leveled using suitable equipment and good construction practices.

Application
- When the initial setting begins, when foot prints are not deeper than 5.0 mm start sprinkling **Vicafloor-DSP** uniformly at a constant rate of 2 kg/m^2.
- As soon as the sprinkled **Vicafloor-DSP** becomes wet, start mechanical troweling.
- **Vicafloor-DSP** is self-curing and doesn't require any additional curing; however it must be protected for at least 24 hours against direct sun light, wind and hot temperature.

Precautions
- Protect the **Vicafloor-DSP** bags from direct sun rays or any other source of heat before use, this can lead to a very fast setting.
- After application, **Vicafloor-DSP** should be allowed to cure for at least 7 days before mechanical grinding.
- **Avoid contact with gypsum or any other sulfates on substrate, mixing water or curing water in plastic state.**

Storage & shelf life

Vicafloor-DSP should be stored in normal temperature and closed shaded dry area in undamaged original packing. It is recommended to be re-tested after 6 months from the production date.

Technical support

For any technical support, please consult our technical office or representatives.

Health and safety

Vicafloor-DSP is alkaline in contact with water and should not come into contact with skin or eyes. Avoid inhalation of dust during application and wear safety glasses, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean water and seek medical advice.
Full health and safety data are given in Product Safety Data Sheet.