



DURACON CONCRETE DENSIFIER (DCD)

PRODUCT DESCRIPTION:

Duracon Concrete Densifier (DCD) is liquid Surface Hardener & concrete densifier. It is a ready to use solution formulated to harden & densify concrete based (cementitious) surfaces

PURPOSE:

Used to densify & harden cementitious based Concrete surfaces, It penetrates the surface & reacts with the free lime present in the substrate to form a dense CSH gel which fills up the voids & pores of the concrete surface & thus densifies it.

USAGE:

It is a ready to use liquid solution which can be easily applied by a brush,,Roller,or a spray

ADVANTAGES:

Penetrates deep into the surface to harden and decrease the porosity of the surface.

- It improves the light reflectance and on polishing the surface results in permanent and attractive sheen.
- It provides a tough protected surface that does not discolour or show pedestrian or vehicular wear marks.
- Improves the abrasion resistance of the surface.
- It improves the chemical resistance of the surface.
- Protects the surface against scratching or peeling thus making it dustproof.
- Ready to use and can be easily applied.
- It can be applied in both new as well as old constructions.
- VOC content is nil, thus helps earning LEED points in green building earning.
- It is economical to use.

Uses:

- * It is recommended for use wherever hardened,dustproof and improved chemical and abrasion resistant surfaces are required.
- * Ideal applications include floors of industrial plants and warehouses, storage silos, sewage plants, chemical processing facilities, refineries, car parking and heavy pedestrian traffic areas such as malls, stadiums, hospitals, airports and public places.
- * Also, where aesthetics is required, on polishing the surface a light sheen is obtained.
- * It can be sprayed on concrete structures to improve the life of the structure.
- * It classifies as Green building product, as it is VOC compliant .

Application Guidelines:

Clean the surface before application. If there is coating on the surface, for eg curing compound etc., it should be removed. Fill and repair all holes, cracks spalled & deteriorated surface areas with RMPM (refer relevant datasheet). For best result, the surface should be dry to allow the Liquid Densifier to penetrate the pores and react.

It is ready-to-use and should not be diluted. It can be applied on clean surface by using a low-pressure sprayer or by spreading evenly with a soft-bristled broom / Brush

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Keep the surface wet with **DCD** for a minimum of 30 minutes. (A range of 30-60 minutes may be required depending on temperature and conditions.) Porous and/or dry areas must be kept wet at all times with DCD

Scrub the surface with a broom or mechanical scrubber to increase the penetration of the DCD. Once the surface begins to gel and becomes slippery, immediately spray the surface with a light water mist.

Thoroughly flush the surface with water, with a broom to remove excess DCD. Thoroughly squeeze the surface dry. If there are slippery patches, this is an indication that DCD is still present. These areas should be re-flushed and squeezed again until the entire surface is dry. (Extremely porous surfaces may require a second application.)

Precautions :

Immediately wash off over-spray from glass, aluminum, or highly polished surfaces with water to avoid etching of surfaces. Failure to thoroughly wash and remove all excess material from floor surfaces may result in unsightly white stains

Surfaces to receive the treatment should be preferably dry.

Avoid & Restrict the usage of the treated surface for 12 hours.

Avoid contact with eyes, skin and clothing. In case of skin contact, wash immediately.

In case of eye contact, flush immediately with water for at least 15 minutes and obtain prompt medical attention

Product Properties

Total Solids Content : 20% approx.

pH : Alkaline

Application temperature

Coverage

Specific Gravity at 25°C : 1.19 +/- 0.02

VOC Content : Nil

Minimum 10 to 15 Deg Cent

1st Coat :75 to 80sft 2nd Coat :90 to 110sft**

Shelf Life: 1 Year if stored in a sealed container

Packing: 60Kg

**Depending on the porosity and the type of substrate

Disclaimer

The information contained herein is believed to be accurate and is offered in good faith for the guidance of the consumer. We cannot accept any responsibility for errors in, or misinterpretation of the information contained in this brochure. In view of our constant endeavor to improve the quality of our products, we reserve the right to alter or change The specifications without prior notice

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