

DECKCRETE

Waterproofing by Crystalline Penetration (Osmosis) & Surface Sealing System

INTRODUCTION

Deck Crete is a single component brush applied coating system for concrete, brickwork and other cement bound surfaces. The system works on the principles of waterproofing by crystallization and becomes an integral part of the substrate on which it is applied. The product penetrates through the capillaries of the concrete by osmosis and reacts with soluble deposits in capillaries to form insoluble crystals that completely block the capillaries. Deck Crete works in presence of moisture, thus the crystallization process continues to seal and reseal capillaries in the concrete.

APPLICATION AREA

The system provides wide range of application for concrete & brick masonry structures and is most suitable for underground structures viz retaining walls, basements, water tanks, floor underlay that are prone to dampness and attacks from moss & fungus. It is best suitable for terraces as undercoats followed by screeds, plasters or coba.

KEY FEATURES

- Makes the surface hydrophobic, impermeable to water or dampness and free from efflorescence.
- The mixed material is thixotropic and can be applied on vertical and inclined surfaces.
- It has excellent bonding with concrete surface and becomes an integral part of it.
- The product is resistant to alkali and UV rays.
- It is nontoxic and non-combustible.
- It retains the breathing properties of concrete.

TECHNICAL DATA

Appearance	Grey powder	
Bulk density	1600-1800 Kg/m ³	
Mixing ratio	Deck Crete	30 Kg
	Water	15 Kg
Pot life	45 min	
Consumption (in 2-3 coats)	2-3 Kg/ sq.m.	
Impermeability to water under 1.5 bar for 7 days (EN 14891 - A.6.3 in mm)	No water penetration	

APPLICATION PROCEDURE

Surface preparation

1. The surface of concrete on which the system is to be done should be structurally sound, absolutely clean, free from all loose materials, laitance, grease, oil etc.
2. Ensure that the surface is well prepared using wire brush, grinders, blowers, vacuum cleaners etc (as the case may be).

Mixing

1. Take clean potable water in a mortar pan or open drum and then add Deckcrete powder slowly followed by continuous stirring. 400 RPM or a slow speed stirrer is most preferred to ensure correct and uniform homogeneous mixing resulting into a brushable consistency slurry.

Application

1. Make sure the surface is slightly moistened but not wet. Apply the prepared mix using brush and allow it to cure for 24 hours before next coat. Apply two/three coats such that the brush movement direction for any two consecutive coats is perpendicular to each other.
3. During application, the surface should be protected from direct sunlight, heavy wind & rains.
4. Cure the system by sprinkling water for 3 to 7 days depending upon ambient temperature.

PACKAGING

30 kg bags

STORAGE

Deck Crete must be stored in unopened bags in cool and dry conditions. It must be protected from exposure to moisture or water. Shelf life is 6 months from the date of manufacturing.

HEALTH AND SAFETY

Kindly wear hand gloves and safety goggles while handling the product. Any contact with eyes should be washed immediately with clean water and seek medical advice. Do not swallow, avoid contact with food or cooking utensils and keep away from children's reach.

PRODUCT DISCLAIMER

This product is manufactured with utmost care and precautions using best available materials, techniques and keeping in view the end use and assured performance. However, no specific guarantee can be given since the application of the product (prevailing site and environmental condition while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.