

# DENSORETE-77®

Edition 01024

Sealer, Densifier & Crystallizer for polished concrete, terrazzo & marble

## Description

**Densorete-77** is a water based, environmentally friendly, penetrating sealer, densifier & crystallizer for the protection and strengthening of cementitious and marble floors prior to high gloss polishing. The active matter in **Densorete-77** reacts with the calcium compounds in the marble & the by-products of cement hydration by crystallization to produce more CSH gel which densifies the concrete and decreases its porosity. More over **Densorete-77** contains hydrophobic additives which act as an impregnation within the micropores to enhance the sealing and protection of the flooring against moisture related problems as well as staining. This complex system ensures the ability of high gloss polishing with good protection against moisture related problems and increasing the life span of the flooring.

## Advantages

- Enables High gloss polishing
- Long lasting integral protection against moisture
- Environment friendly
- Enhances acid resistance
- Reduces capillary absorption
- Eliminates damage caused by wetting and drying cycles
- Eliminates scaling risks
- Reduces dusting and efflorescence
- Good repelling properties keeps the concrete cleaner and brighter
- Economic and easy to apply
- Nontoxic ,contains no VOC

## Uses

**DENSORETE-77** is ideal for the Densification and Protection of any cementitious or marble floors to reach a shiny sealed floor.

## Standards & Specifications

Color	Pink liquid
PH	2 - 3
Application temperature	5 – 30 °C
Density	1.1 - 1.2 kg/L
Environmental hazards	None

## Package & Coverage

**DENSORETE-77** is supplied in 5Kg - 10Kg - 20Kg Jerricans (other sizes maybe available upon request).

The rate of consumption will be 50 – 100gm/m<sup>2</sup> of **DENSORETE-77** in one coat.

The rate of consumption depends on the absorbency of the substrate as well as its temperature.

Allowance should be made for any possible wastage when estimating.

## Application Instructions

### **Surface preparation:**

All substrates should be clean, free from dust, loose particles, grease, oil or any other foreigner matter.

All surface defects (Honey combs, Rock pockets, air voids .....etc.) should be repaired following a proper repair procedure. Proper cleaning makes it easier for the product to deeply penetrate inside the pores for a better performance. Compressed air can be a good option for removing dust and loose particles.

If the floor contains too many scratches, use a suitable diamond grit as per requirement and then apply **Densorete-77**.

**Application:**

- Shake well the container before opening
- Using a suitable sprayer, apply the product with the recommended rate over the prepared substrate and immediately buff the surface with steel wool pad or red pad with 180RPM single disk machine till Crystallizer dry on surface.
- For more gloss repeat the same procedure as above.
- Because the product needs to chemically react with the calcium hydroxide within the concrete, it is recommended that the product does not dry out too quickly. Consequently, the floor must remain wet with the product for a minimum of 20 minutes.
- After full drying, complete the polishing process by dry method and Diamond resin pads or wool pads to reach a high gloss floor.

**Precautions:**

- **DENSORETE-77** should be stored in normal room temperature; low temperature can lead to pre-crystallization of the product.
- Never apply on areas that have been previously sealed unless the previous sealers are removed by chemical or mechanical means.
- Never contaminate the product by re-filling excess, unused liquid back to the original container.
- Avoid working on hot substrates which will cause evaporation before good absorption of **DENSORETE-77** takes place.

**Health and safety**

**DENSORETE-77** should not come into contact with food, mouth, skin or eyes during application. Always wear safety goggles, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean warm water for 15 minutes and seek medical advice. If accidentally swallowed, drink 2 cups of clean water and seek medical advice. Keep away from children reach.

**Storage & shelf life**

The shelf life of the product is one year in its original, unopened package if stored in normal room temperature.

**Technical support**

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

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