

DENSO S900

Siloxane Waterproofing Solution

Description

Denso S900 is a siloxane waterproofing solution which deeply penetrates into porous substrates to create a waterproofing barrier below the surface.

Uses

Prevents the ingress of water and stops leaks without lifting tiles or changing the overall appearance of the surface. Due to the prevention of water ingress, Denso S900 also offers corrosion protection of steel reinforcements, friability and binder loss of surfaces, fungal and bacterial attack due to carbon dioxide permeability. Prevents or minimises efflorescence and laitance (white salt spotting or leaching). Acts as a general rain water and salt spray barrier.

Features

- Waterproofing external concrete, cement render, face brick, block walls, sandstone, porous pavers, grout (tiled areas), terracotta pavers and other porous surfaces.
- Suitable for use in high pH conditions such as new concrete and lime based mortars and bricks.
- Allows diffusion of vapours or 'breathing' ability of the substrate.
- Dries clear in a low gloss finish
- Can be re-coated

Application

Surface Preparation: Surfaces must be sound, stable, dry, clean and free of dust, flaking material, friable material, oil, grease, curing compounds or any other substances that may diminish adhesion.

Any cracks must be repaired using a non-shrink mortar, where suitable. If flexibility is required to repair the crack, this should be done after the application of Denso S900 as the solvent may pit or slightly dissolve the sealant. Loose grout must be removed and replaced with sound grouting and allowed to dry. Efflorescence and laitance should be removed by wire brush and then washed and allowed to dry. Test areas are important as latent salts or other chemicals may cause some discolouration (although rare).

Application: Can be applied by brush, roller, spray or poured. It is essential that the substrate is well saturated, i.e. wet soaked. For best result, apply a soaking coat of Denso S900 and allow product to be absorbed. Immediately thereafter, while still wet, apply a second soaking application and allow the product to be absorbed. This process can be repeated several times to ensure that sufficient product has been absorbed. The product should be, in the first instance, applied wet on wet. Then allow the product to dry for 24 hours and apply a final soaking coat.



Denso S900

Property Specifications

PROPERTIES	VALUE
Appearance	Clear Liquid
Volatiles	95%
Flash Point (Closed Cup)	38°C
Specific Gravity	0.8
Coverage (General Guide Only)	
Ceremic tiled areas	6 m ² /L (concentrated along grout lines)
Terracotta tiled areas	3 m ² /L per coat
Face brick	4 m ² /L per coat
Highly porous area	2-3 m ² /L per coat
Drying/Curing Time (25°C, 50% RH, General Guide Only)	
Touch dry	2 - 4 hours
Set	4 - 6 hours
Full Cure	12 - 24 hours
Service Temperature	0°C - 50°C
Application Temperature	5°C - 30°C
Packaging	4 L, 15 L

STORAGE: Store in a cool, dry place. Keep away from all sources of ignition. Store in well sealed metal containers.

SHELF-LIFE: Up to 12 months in unopened or undamaged containers.

PRECAUTIONS:

- Sealed surfaces may be slippery when wet, particularly during early stages.
- Product is flammable. Ensure adequate ventilation.
- Tiling, topping or top coating is not recommended.

LIMITATIONS:

- Denso S900 will not bridge or seal cracks.
- In order for Denso S900 to work effectively, sufficient product must be absorbed in to the surface to fill voids within the substrate. Highly porous, sandy and friable surface may not allow the product to create an adequate 'build-up' of Denso S900 to form the waterproofing barrier. Test area are highly recommended.
- The quantity of Denso S900 needed for a given area is subject to its density, porosity, thickness, soundness and condition, which may not be apparent.



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