



## Technical Data Sheet WATER REPELLENT SILANE / SILOXANE WATER BASE (SS WR 1100)

### APPLICATIONS

- Mineral plasters
- Mineral based natural and artificial stone
- Aerated Concrete
- Cement fiberboard
- Mineral paints.
- Brick works
- Asbestos Sheets & Gaskets

### FEATURES

- Excellent penetration in absorbent mineral building materials.
- Very good alkali resistance.
- Fast curing hence imparts water repellence soon.
- Neutral in nature, no color change to the substrate.
- Provides excellent water repellency
- Easily dilutable by Tap Water.
- The pores and capillaries are not sealed and hence maintain breath ability while preventing water absorption.
- The coatings are UV stable and resistant to biological degradation.
- Provides good adhesion for paints
- Water-based and environmentally compatible

### PACKAGING

**35 Kg, 50 Kg & 200 Kg**

**HDPE Carboys & Drums**

### **DESCRIPTION**

**Supreme Silicones's Water Repellent Exterior Coat SSWR 1100** is a solvent less, water- soluble, Silane Siloxane Emulsion.

Dilute solutions of SS WR 1100 serve as general-purpose water repellents for impregnating and priming mineral surfaces.

As water-repellent primer for emulsion paints and plasters, silicone resin, Emulsion paints and silicone resin plasters, as well as for concrete coatings.

### **CHARACTERISTICS:**

Parameters	Value
Appearance	Milky White
Content	Silane /Siloxane
Viscosity @ 25°C	10 – 15 cSt
Specific gravity @ 25°C	0.94 – 0.96

### **HOW TO USE**

SS WR 1100 emulsion contains a stabilized mixture of silane and siloxane that are susceptible to hydrolysis. Hydrolysis occurs only after application to the substrate, which breaks the emulsion. Alcohol is released and the emulsion is converted into a silicone resin water repellent. It reduces the capillary absorption of the building which it has penetrated, but does not clog pore or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".

**SSWR1100 is diluted with Water.** We recommend the dilution ratio of 1: 5 to 1: 12), the exact figure depending on how absorbent the substrate is. For adequate penetration on very high quality concrete, it may be necessary to dilute only 1: 2.

Apply the solution in the usual way; flooding is the preferred way. Two "wet on wet" coats are needed to ensure complete coverage.

### **USABLE LIFE AND STORAGE**

When stored bellow 35°C away from direct Sun Light in the original unopened containers, SS WR 1100 has a usable life of 6 months from the date of manufacturing.

### **HANDLING PRECAUTIONS**

Product safety information required for safe use is not included. Before handling, read Material Safety Data Sheets (MSDS) and container labels for safe use, physical and health hazard information.

The information provided to the customers in this data sheet is intended as a guideline and is provided in good faith. Changes may occur from system to system as methods of use and conditions are beyond our control, hence **users are requested to evaluate the recommendations before actual application to get desired performance.** Supreme Silicone's sole warranty is that the product will meet the Supreme Silicone's sales specifications in effect at the time of shipment. Supreme Silicones specifically disclaims any other express or implied warranty of fitness. Supreme Silicones disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.