WB SILANE SILOXANE PRIMER

Updated Feb'20

WB Silane Siloxane Primer is a water-based impregnating agent based on silane/siloxane mixture. It serves as high quality impregnating agent for exterior concrete protection and also can be use as a primer for silicone emulsion paint for masonry substrate. It can reduce the capillary absorption of construction materials without blocking their pores and capillaries. Therefore, it will not affect the diffusion permeability. As a result, water vapour can escape unhindered from the masonry, and any damp can dry out.

Product Features:

- Excellent depth of penetration, creating a broad water repellent zone
- Good resistance to alkaline and efflorescence – the hydrophobic zone prevents salt, water and alkaline being transported from within the wall to the surface
- Good water-vapour permeability, does not affect the breathing behaviour of the substrates
- Good recoatability
- Substrate reinforcement by digital network formation

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water based	Exterior	Clear	New / bare masonry, brick, plastering substrate and fibre board	4 Litres

Composition

Pigment	: Not applicable
Binder	: Silane-siloxane mixture
Thinner	: Water

Technical Data

Drying Time	: 1 hour
Recoating Time	: Not applicable
Dry Film Thickness	: Not applicable
No. of Coats	: 1 coat
Active Content	: ~ 10%
Dilution Ratio	: WB Silane-Siloxane Primer : Water = 1 : 4 (Add 4 litres WB Silane-Siloxane Primer into a pail containing 16 litres of water and stir until homogenous.)
Theoretical Coverage	: 10 – 12 m^2 per litre per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance) *It is recommended to go for actual application to estimate the practical coverage for project.*
Pot-Life after Dilution	: 24 hours (The product will lose its function due to self-reaction after 24 hours storage)
Volume Solid	: Not applicable
Shelf Life	: Up to 36 months in tight sealed container

Application Method

Brush / Roller	: Apply 2 pass wet-on-wet
Flooding (by lower pressure spraying)	: Apply 2 pass wet-on-wet (Highly recommended for optimal paint film performance)

Recommended Coating System

Sealer / Primer	: WB Silane Siloxane Primer	: 2 Pass
Top Coat	: Durasil	: 2 Coats

Surface Preparation

Remove all loose, defective paint or powdery residues, loose chalk, dust, fungus, algae and foreign matter. Treat any areas affected by fungus growth with Fungicidal Wash Solution. Repair cracks, uneven surfaces with suitable exterior grade fillers. Smoothen the filler areas with sand paper. Surfaces to be painted must be cleaned thoroughly and dry, it must be free from dirt, grease and other foreign matters. Allow all surfaces to dry completely prior to painting. Avoid painting when the moisture content and alkalinity of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 16% measured by protimeter and alkalinity of the walls to be below pH9.) Spot prime with WB Silane Siloxane Primer.

Cleaning

Clean up equipment with water immediately after use.

Safety Precautions

- Keep container tightly closed and keep out of reach children or away from food and drink.
- Ensure good ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose off any paint waste in accordance with the appropriate Environment Quality Regulations.

Note

* Theoretical Coverage is based on a mathematical formula

$$\left[\frac{Volume\ Solid\ \%\ x\ 10}{Dry\ Film\ Thickness}\right] = m^2/lit/coat$$

and does not consider LOSS FACTORS.
Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

The above information is given to the best of our knowledge based on laboratory tests and practical experience.
However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.
We reserve the right to alter the given without prior notice.