SILANE SILOXANE PRIMER

Updated Aug'16

Silane Siloxane Primer is a solvent-based primer based on silane/siloxane mixture. It serve as high quality primer for exterior concrete protection and also can be use as a impregnating agent for masonry substrate. It can reduce the capillary absorption of construction materials without blocking their pores and capillaries. They therefore do 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 beneath the topcoat
- Excellent 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
- Prevent damage caused by Chloride-induced reinforcement corrosion
- Good recoatability
- Increase paint adhesion
- Substrate reinforcement by digital network formation

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Solvent based	Exterior	-	New / bare RC concrete	20 Litres

Composition

Pigment	: Not applicable
Binder	: Silane and Siloxane mixture
Thinner	: Organic solvent

Technical Data

Drying Time	: Touch Dry : 1 hour (Dependent on temperature and humidity) : Hard Dry : 2 hours (Dependent on temperature and humidity)
Recoating Time	: Minimum 5 hours (Recommended to over with topcoat within 2 weeks time.)
Dry Film Thickness	: Not applicable
No. of Coats	: 2 coats wet-on-wet
Theoretical Coverage	: 10 – 12 m^2 per litre per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)
Volume Solid	: ~ 32%
Shelf Life	: Up to 36 months in tight sealed container

Application Method

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

Surface Preparation

Remove all loose and powdery residues by scraping. 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 wall to be below pH9.)

Cleaning

Clean up equipment with thinner 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 FASTORS.
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.