



TECHNICAL DATA SHEET

BREATHE SILANE PRIMER 30**PRODUCT DESCRIPTION**

Breathe Silane Primer 30 is a solvent based silane primer for protection against efflorescence. It is a penetrative water repellent protective treatment for external mineral facades. It provides the ultimate breathability and superior protection for all new and unpainted substrates like cement and lime plaster, aerated concrete, in situ and precast concrete slabs. It will prevent ingress of water and water borne salts causing the effects of efflorescence.

Breathe Silane Primer 30 when applied to a porous mineral substrate will deeply penetrate into the substrate causing a dry zone layer of between 0.5mm to 5mm or more depending on the porosity of the substrate. It provides a hydrophobic lining of the pores of the mineral substrate resulting in soaking the mineral substrate and transforming it to be a totally water resistant substrate. It will protect the substrate against any further damage eventually leading to concrete spalling.

Breathe Silicate Hybrid Primer will allow for total breathability of the substrate. It will allow the substrate to “breathe” 100% that is any moisture in the substrate can easily evaporate out of the substrate in vapour form naturally without any hindrance.

MATERIAL PROPERTIES

- Use only in external facade as a primer for Breathe Silicate Hybrid Paint System.
- Prevent capillary transport of the damaging effects of water soluble salts causing discolouration and efflorescence.
- Allows full water vapour permeability allowing the substrate to breathe.
- Integral protection, cannot erode or peel off.
- Excellent water repellent characteristics.
- Single component with no dilution.
- Easy to use, cost effective.

**TYPE OF PRODUCT****TECHNICAL DATA**

Chemical Name	:	Silane
Carrier	:	Aliphatic Hydrocarbons
Colour	:	Light shade of white
Pigment	:	Titanium Dioxide
Cleaning	:	White Spirit or Thinner
Packing	:	5L and 20L
Storage	:	In a cool covered area.



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SURFACE PREPARATION

Apply only on new porous substrates, that is walls without any previous painting • Breathe Silane Primer 30 works best on above grade vertical sound solid cement or lime plaster walls • Because of the strong odour and fumes released during drying, use only in well-ventilated outdoor areas. Do not use indoor, including in the basement or enclosed areas • Cover eyes and skin with protective equipment. Use solvent fume respirators if required • Ensure workers are sufficiently qualified or trained. Refer to Roxsil Technical Support if necessary • Surfaces should be fully cured for at least 28 days • Surfaces should be completely dry and free from loose particles or traces of mould oil • Apply approved fungus killer on fungus infested walls before cleaning the area with high pressure washer • Do not apply if wall is wet or rain is imminent • Application temperature: 10°C – 35°C • Cover all areas against overpainting of Primer or spillage • Protect freshly applied walls from rain • Drying time depends on weather conditions. Allow 4 hours minimum. Overnight drying is recommended before painting finishing coat.

APPLICATION

Breathe Silane Primer 30 is slightly pigmented with a white pigment so the painter or applicator will know the areas he has painted • When the Primer after applying on the cementitious or lime substrate dries up, there will be some slight whitish pigment powder residue on the substrate • Do not worry about this loose pigment particles • Breathe Silane Primer 30 is ready to use without any dilution • There will be some soft settling of the white pigment particles. So, you need to lightly stir or mix the Primer until a homogeneous state • Use a brush, roller or low-pressure spray for large areas • When using a roller, apply a thick coat generously until the wall is completely saturated with the Primer 30. Roll over a second time within 20–30 minutes of your first coat if necessary • Avoid excess product running onto the ground • After curing for 24 hours, you may splash water onto the applied substrate to check for absorbency • For best results, Paint over all areas with a finishing topcoat like Breathe Silicate Hybrid Paint. Don't leave any part exposed.

Number of coats: 1–2 depending on substrate condition • **Coverage:** between 4m² – 8m² depending on the wall texture and absorbency • **Clean up:** Use approved solvent • **Storage:** Store in a cool and shaded area. Never transfer into a non-solvent resistant container.

HAZARD STATEMENTS

Flammable liquid and vapours, Do not swallow nor inhale product, If product is swallowed, call a doctor immediately. Do not induce vomiting.



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PRECAUTIONARY STATEMENTS

Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Wear protective gloves, protective clothing, eye protection and face protection. Do not smoke near the product.

Dispose cans and unused product according to your country's Department of Environment regulations. Repeated exposure may cause skin dryness or cracks.

For Professional use only.
Not recommended for Consumer or DIY use.

ICONS



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