

Silane Treatment Si

Silane/Siloxane highly penetrating non-film forming sealer.

DESCRIPTION

Silane Treatment Si is a complex blend of Silane/Siloxane technologies which results in a sealer that penetrates deep into masonry surfaces and impedes the passage of moisture providing long-term protection to substrates against water penetration.

Silane Treatment Si reacts with soluble salts in cementitious surfaces to block capillaries whilst still allowing the substrate to release retained moisture ("breathe").

ADVANTAGES

Silane Treatment Si delivers the following advantages;

- Natural finish (possible slight colour enhancement to some surfaces).
- Reduces ingress of water and minimises efflorescence through its reaction with soluble salts and its water repellence.
- Excellent fungal and algal resistance.
- Long term U.V. resistance.
- Treated surfaces are easier to clean.
- Allows substrates to breathe.

AREAS OF USE

Silane Treatment Si is suitable for use in the following areas;

- Paved Areas
- Walls
- Infrastructure
- Schools
- Shopping Malls

SUBSTRATES

Silane Treatment Si is suitable for application on;

- Clay Brick
- Fibre Cement Panels
- Concrete & Concrete Block
- Exposed Aggregate Panels
- Reconstituted Stone
- Natural Stone

Note: Silane Treatment Si is not suitable or recommended for use poorly consolidated, weak, friable or dusty substrates.

TECHNICAL DATA (@ 25°C)

Number of Coats: 2-3

Coverage: (per coat) 6-10m²/L

Recoat: 1-2 hours

Full Cure: 7 days

Colour: Clear

Clean Up: Crommelin Solvent

Shelf Life: 12 months

ANCILLARY PRODUCTS

- Crommelin[®] Contractor Membrane Applicator Brush – 100mm, 75mm
- Crommelin[®] Contractor Membrane Roller Cover – 230mm
- Crommelin[®] Moisture Meter

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SUBSTRATE PREPARATION AND PRIMING

Full substrate preparation instructions can be found at www.crommelin.com.au/full-instructions/

- Surfaces must be clean and free from all contaminants.
- Use Crommelin® Enhance Pre-Seal to remove existing mould or algae and prevent regrowth.
- Use Crommelin® HD Cleaner to remove grease, and as a general surface cleaner.
- Pressure washing or the use of a wet vac is recommended to remove dust etc.
- If acid etching has taken place, ensure neutralisation of the area and thorough rinsing has been conducted.
- Surfaces must be well consolidated and sound.
- Surfaces must be dry. The use of a Crommelin® Moisture Meter is recommended.
- A simple moisture test may be completed by placing a 300mm x 300mm piece of black plastic or rubber matting on the area to be treated during the hottest part of the day. Remove after 2 hours and inspect. If moisture is present on the under-side of the plastic, or the substrate has darkened, the substrate is too wet to seal. Allow further time to dry and repeat test until no moisture is detected.
- If area has been previously sealed, ensure coating compatibility. If in doubt, remove existing coating.
- If area has been previously sealed, ensure re-coating will not produce an excessive film build that may compromise the breathability of the substrate.

APPLICATION CONDITIONS

- Substrate must be dry. The use of suitable moisture meter is recommended.
- Application temperature must be above dew point.
- Do not apply if relative humidity is above 85% during initial cure phases, or if rain is expected before cure.

Note: When applying internally or in humid conditions, air flow should be maximised with the use of fans to assist cure.

APPLICATION

Full application instructions can be found at www.crommelin.com.au/full-instructions/

- Apply a trial patch before full application, to assess sealer adhesion, substrate colour enhancement, gloss level and slip resistance.
- Test surface for porosity before full application to ensure that surface sealing is required.
- Application should be by airless spray or for small areas a roller suitable for solvent borne products.
- Apply first coat of Silane Treatment Si evenly as per recommended coverage rate and allow to dry.
- Apply second coat of Silane Treatment evenly as per recommended coverage rate.
- Whilst substrate must be saturated, do not allow the product to pool on the surface. If it does not penetrate into surface spread surplus with a brush until saturated into surface.
- Protect sealed area from light foot traffic for at least 24 hours.

CLEAN UP

- Wash all equipment in Crommelin® Solvent immediately after use.

MAINTENANCE, RECOATING AND REPAIR

To maximise the natural life and protective characteristics of your sealer general cleaning and maintenance should be followed including;

- Any spills must be cleaned up immediately. Spot cleaning should be carried out with dilute detergents.
- The placement of mats at all entry and exit points is recommended.
- Repair damage by ensuring the area is clean and dry and re-apply sealer as per recommended coverage rates.
- Re-coating should only take place as required to maintain the greatest level of performance. Re-application may vary from 2–10 years, dependent upon substrate, wear and site conditions.
- When re-coating, ensure sealer compatibility and ensure that excessive film build is not produced.

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PRECAUTIONS

- Do not apply if the temperature is below 7°C, below dew point or relative humidity is above 85% or if rain is imminent.
- Do not apply Silane Treatment Si to wet substrates. Check with a moisture meter if unsure.
- Ensure adequate ventilation and air flow to optimise membrane curing.

WARRANTIES

Please contact your Crommelin® representative, or the Crommelin® technical support team for detailed specifications applicable to your project and warranty requirements.

TRANSPORT AND STORAGE

- Size: 15L, 200L
- Weight: 15kg, 200kg
- DG Class: 3
- Flash Point: 31°C
- UN Number: 1263
- Cool and Dry Storage
- Hazchem Code: 3(Y)
- Poisons Schedule: 5

SAFETY AND FIRST AID

Silane Treatment Si Safety Data Sheet is available from Crommelin® upon request.

Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

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Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin® also reserves the right to update information without prior notice, to reflect ongoing research and product development.