

Technical Data Sheet

Silane Siloxane



15A Malcolm Crt, Kealba 3021

(03) 9364 4489

ultra.tex@hotmail.com

ABN: 50 119 993 412

Description

Silane Siloxane is a water-based, penetrating sealing compound for concrete and masonry surfaces. It is water repellent, specifically designed to reduce the intrusion of water and chlorides into the substrate. This proprietary blend of silane and siloxane penetrates into the pores of the concrete and masonry to reduce scaling caused by de-icing salts as well as protecting vertical masonry surfaces from the ingress of water. Good concrete and concreting practices must be used, as Silane Siloxane will not be effective on improperly designed, placed or cured concrete.

Uses

Silane Siloxane protects concrete and masonry surfaces, including concrete parking lots, driveways, walkways, and vertical walls. The product is designed to provide lasting protection from de-icing chemicals and moisture intrusion. The product can be used on both horizontal and vertical surfaces. Suitable application includes architectural concrete, concrete block, split-face block, pavers, stucco, porous and dense brick, clay tile, etc.

Features and Benefits

- When properly applied Silane Siloxane does not form a film - it penetrates the surface to form a barrier to reduce moisture penetration
- Leaves no gloss or shine
- Transparent, non-staining
- Breathable - does not trap moisture
- Reduces chloride penetration into concrete and masonry surfaces
- Helps protect properly placed and cured concrete and masonry from scaling and freeze/thaw damage caused by de-icing chemicals
- Water-based, VOC-compliant
- Allows masonry to breathe

Suitable Substrates – when properly prepared

- Concrete and masonry surfaces
- Architectural concrete
- Concrete block
- Split-face block
- Pavers
- Stucco
- Porous and dense brick
- Clay tile etc.

Surface Preparations

- Protect people, vehicles, property, plants, and all surfaces from product, splash, residue, and wind drift
- Surfaces must be structurally sound, clean and free from dirt, bitumen, efflorescence, oil, curing compounds, form oil, and other foreign matter
- Masonry joints must be checked and repointed where necessary
- All wall and roof flashings, caulking, and sealants must be in good condition and the surface fully cured and thoroughly dry before application
- Though Silane Siloxane may be applied to slightly damp surfaces, best performance is achieved on a clean, thoroughly dried and absorbent surface
- Excessive moisture inhibits penetration, reducing the service life and performance of the treatment.
- Always test for compatibility
- For optimum results, wait 14 - 28 days before applying Silane Siloxane to new concrete and masonry
- For optimum performance, the moisture content of the substrate must not exceed 4%

Coverage

Coverage rate is approximately 1.2 - 6.1 m²/L. Coverage is approximate and may vary depending on surface finish/texture, concrete condition, climatic conditions, etc. Always apply to a test area first to determine actual coverage rate before full-scale application.

Application

Horizontal Application: Amply saturate the surface with Silane Siloxane. Use enough to completely wet the surface. Saturate from the bottom up. Do not let the product puddle on the surface or dry on the surface. Roll or brush out puddles. DO NOT OVERAPPLY. After 5 - 10 minutes, remove all excess sealer from the surface. On highly permeable surfaces, additional coats may be necessary.

Vertical Application: Apply from the bottom up. To ensure proper penetration, sufficient material should be applied to allow a flood of material to run down at least 160 - 240mm below the spray point. Allow the material to penetrate for 10 - 15 minutes, then apply a second application "wet on wet." The second application will require less material than the first.

Surface and Air Temperatures: Optimum surface and air temperature is 4 °C and rising and 35° C and falling during application. If freezing conditions exist before application, let surface to receive treatment thaw.

Test Application: Always perform a test application for proper penetration on each type of surface prior to full-scale application to determine suitability and final appearance. Test using the recommended application instructions. Let area dry thoroughly before inspection.

NOTE: Hot, windy conditions will evaporate the water. Protect surfaces from rainfall for six hours following treatment. Many surfaces need several days to develop optimum water repellence.

Packing	Coverage / Pail
15L Pail	1.2 - 6.1 m ² /L

Application Tools	Sprayed, brushed or rolled.
Clean Up	Clean tools with soap and warm water after use
Appearance	Viscous liquid

Drying Time	Tack Free	Over-coat	Fully Dry
(25°C & 50% RH)	1-2Hrs	24Hrs	7 Days

No. of coats	Generally single coat
Gloss levels	Matt
Specific Gravity	~ 1.25-1.3
Thinner	Do not alter
Shelf Life	24 months from date of (sealed)

Safety and Handling

Refer to Material Safety data sheet and warranty document before use

- Avoid inhalation of the vapour, prolonged skin contact and particularly eye contact
- Wear protective clothing to minimize skin contact and wear goggles where splatter is likely
- Where spills occur, soak up liquid spillage with sand/sawdust and dispose of in a sensible manner
- Do not permit run-off to sewer, storm water or open bodies of water
- Full pails are HEAVY. Wear protective footwear and seek assistance if necessary

For further information on Material Safety Data Sheet, please call (03) 9364 4489 or visit www.ultratexvic.com.au

Important Information

DO NOT DILUTE OR ALTER. MIX THOROUGHLY PRIOR TO USE. DO NOT FREEZE. Silane Siloxane will not hide existing surface stains. Do not apply to surfaces with temperatures of <5° C or >35° C. Prevent from being spilled or over sprayed onto nearby water sources. Temporary darkening of some substrates may occur. Protect surfaces from rainfall for a minimum of six hours following treatment. If rainfall occurs and surface turns white, thoroughly flush surface and reapply product when dry. For above grade applications. Silane Siloxane will not prevent water penetration through structural cracks or open joints. Not intended for use on surfaces that will be constantly submerged in water.