

SILCOPEL



SILCOPEL - is an invisible solvent based treatment for masonry surfaces which preserves against the damaging effect of weather and reduces staining and efflorescence. Based on state of the art technology SILCOPEL has been designed to chemically adhere to the pores within the substrate and reducing moisture uptake by up to 95%.

FEATURES

- Provides a high quality water repellancy
- Gives a totally invisible finish
- Prevents growth of Fungi & Moss by denying moisture into the substrate
- Reduce efflorescence, spalling and salt damage.
- Premium long lasting water repellent

TECHNICAL INFORMATION

Classification Silane/siloxane
Active content < 10%
Specific Gravity 0.79 @ 25° C
Solvent Hydrocarbon
Storage 0° - 38° Celsius
Resistance to UV Excellent
Penetration Rate 3 - 8 mm avg.

VOC 90% v/v
pH N/A
Colour Clear
Shipping Class 3 UN1263
Flash Point Approx. 25° C
Surface Gloss Nil
Water Repellent Excellent

SUITABLE FOR:

Commercial and Domestic Façades, Concrete Tilt Panels, In Situ Concrete Slab, Concrete Block, Concrete Pavers, Sandstone, Limestone and other masonry surfaces.

PREPARATION:

ALWAYS TEST SILCOPEL on a small inconspicuous area to determine the desired appearance and allow a minimum 24 hours curing time on test sample to determine suitability of your surface. SILCOPEL is not suitable for dense, low porosity surfaces or basalt & bluestone.

New concrete should allow 28 days before application and any mortar fill or grout, allow approx. 72 hours.

Clean and prepare surface with the appropriate cleaning agents for your surface type. Make sure all cleaning agents have been thoroughly rinsed off and neutralized before applying sealer. Surface should be clean, dry and free of any coatings or waxes. If surface has been water wet, allow approx. 48 - 72 hours before sealing.

APPLICATION:

Use a lambswool applicator, low pressure airless sprayer or paint brush. In spray applications, use a coarse spray device such as a trigger sprayer or low pressure (20 psi) dispenser with particle size production of greater than 15 microns. Adjust spray pressure to keep particle size greater than 15 microns. Do not aerosolize or atomize.

Tape up and prepare area to be sealed. NOTE: Sealer will bond to ALL siliceous materials including glass & windows.

Vertical Surfaces: Confirm test area & product is suitable. Apply when surface temp is approx. 5° - 40°C

Allow good ventilation and adequate air flow. Use proper PPE.

Apply sealer with a flooding action from the bottom up to provide a sheet of sealer 150 - 200mm below spraying action, this will assist in uniform penetration. Use an overlapping motion with controlled rundown. Some porous surfaces may require several coats, if this is required then use a wet on wet application. (Wet on Wet: As soon as first coat has penetrated into surface apply next coat) DO NOT leave long breaks between coats.

Horizontal Surfaces: Confirm test area & product suitability. Apply when surface temp is approx. 5° - 40°C.

Allow good ventilation and adequate air flow. Use proper PPE.

Apply adequate amount of sealer onto surface and allow to stand for approx. 1-2 minutes then work sealer into surface and spread to more porous areas, Remove all excess. Do not allow to puddle or pool. On more porous surfaces,

reapply with a wet on wet application within 30 minutes - DO NOT flood coat. Clean up any excess within 30 minutes with a dry white cotton cloth. DO NOT leave long breaks between coats.

DRYING:

SILCOPEL will touch dry within 2 - 4 hours. Foot traffic should allow several hours to dry before proceeding to use.

Curing will range from 48 - 72 hours (Depending on environment) with outdoor usage; avoid rain on surface until fully cured. NOTE: FULL CURING and water repellency is maximised after 7 days. Once cured, sealed surface will resist further application. Allow min. 24 hours curing before applying top coat sealer or paint - several days is BEST!

COVERAGE:

SILCOPEL will cover approx. 5 - 20 sqm per litre, depending on porosity of surface you are sealing.

CLEAN UP:

Clean up is easily done with a white spirit.

Rinse off equipment thoroughly.

MAINTENANCE:

Maintenance is minimal due to the nature of the sealed surface.

A light pressure wash with water or light scrub with water, is all that is required for airborne dirt and grime.

Deep cleaning can be done with NATURAL CLEAN - diluted as per label instructions. It is always best to clean up any spills immediately with REPLENISH to reduce staining of the surface.

For further details on commercial cleaning procedures refer to maintenance manual for SILCOPEL.

DO NOT use harsh chemicals or solvents for cleaning on your sealed surface.

LIFETIME:

Applied and maintained correctly, SILCOPEL will remain effective up to 15+ years depending on environment & conditions.

SHELF LIFE:

2 years in unopened container - test contents after this time.

PACKAGING:

1 LT, 4LT, 10LT, 20LT, 200LT

**PRECAUTIONS/LIMITATIONS:**

- TEST SUITABILITY on your surface
- Do NOT dilute or alter formula
- Temperature of surface must not be below 5° C or above 40° C
- Do NOT apply if rain is expected within 24 hours
- Water repellency will develop after 24 hours to 72 hours after initial application
- Allow 6 hours before foot traffic. Touch dry within an hour
- Not to be used as a waterproofing agent
- Caution should be taken when spraying around windows, metal & painted surfaces
- Not to be used on non-siliceous stone like, basalt, bluestone & some marbles.
- Will NOT resist against hydrostatic pressure or rising damp
- Will NOT seal up cracks greater than .025mm
- Uneven application may result in inconsistent performance & finish
- Do NOT allow to puddle without wiping up excess after 30 minutes
- Do NOT allow long break between coats - wet on wet application is best.
- WORK sealer into surface to ensure adequate/even coverage and penetration
- Will NOT prevent surface etching or wear
- Remove contaminates as soon as spills occur using REPLENISH
- Contaminates left on surface for long periods will start to penetrate sealed surface
- Impregnating sealers are considered stain resistant NOT stain proof
- Do NOT use harsh chemicals and/or solvents to clean surface
- Follow cleaning instructions as per maintenance manual or 'Cleaning on Sealed Surfaces'
- Do NOT apply on rubber based adhesives

PRODUCT WARRANTY:

Contact *SOLUTIONS - Sealers for Stone & Tile* for warranty details. Warranty for this product is available for 15 years and requires the use of an approved applicator with maintenance requirements.

This product is warranted to be free of defects in material and workmanship. This product is manufactured in accordance with *SOLUTIONS - Sealers for Stone & Tiles* quality control standards. All technical data, manuals, statements and suggestions are based on in-house & scientific field testing. All information obtained herein is believed to be true & correct but accuracy and completeness of said tests are not guaranteed and or not to be construed as a warranty or guarantee of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend on many factors that are beyond *SOLUTIONS - Sealers for Stone & Tiles* control.

SAFETY INFORMATION:

Refer safety data sheet for FULL details.

Available via: www.solutionssealers.com or

email: info@solutionssealers.com

Ingredients:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
Naphtha (petroleum), hydrodesulfurized heavy.	64742-82-1	> 60% w/w	not set	not set
Alkylsilicone resin with methoxy groups	Proprietary	< 10% w/w	not set	not set
Di-n-butyltindilaurate.	77-58-7	< 10% w/w	0.1 mg/m ³	0.2 mg/m ³ (skin)
Methanol.	67-56-1	Trace	200 ppm	250 ppm (skin)



UN Number 1263
ADG Classification 3 (Paint)
ADG Subsidiary Risk Not applicable
Packing Group III
Hazchem Code 3[Y]
SUSDP Classification S5 (Hydrocarbons)
EMERGENCY OVERVIEW EMERGENCY OVERVIEW
Colour Colourless.
Physical Description Liquid.
Odour Light aromatic odour.

This product is classified as HAZARDOUS according to criteria of the National Occupational Health and Safety Commission Australia.

This product is classified as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.

This product is a scheduled Poison according to the SUSDP.

