



SILCOPEL

Silcopel is an invisible solvent based penetrating sealer for porous stone, masonry and concrete products. Silcopel has been designed to chemically bond to the pores within the substrate reducing the moisture uptake by up to 95%

FEATURES

- Solvent based breathable penetrating sealer
- Chemically bonds to substrate
- Invisible finish
- High water repellence
- Reduces efflorescence, spalling, salt damage and mould growth
- Reduces dusting on concrete surfaces
- **Not to be used on bluestone, granites or any volcanic stone**

TECHNICAL INFORMATION

Physical State.....Non-viscous liquid
Odour.....characteristic odour
Boiling Point.....149 – 194 °C
Vapour Pressure...Typical 0.37
Flash Point.....~42 °C
Water Solubility....Miscible
VOC.....~95 % v/v
Storage.....Store in a well-ventilated place. Keep cool.

Colour.....Clear
Specific Gravity.....0.78 – 0.83 @ 25 °C
Vapour Density.....4.35
Flammable Limits.....0.7 - 6.5
 % v/v
Per Cent Volatile.....~95 % v/v

Suitable for: All commercial and domestic facades, walls and floor. External or internal porous stone, concrete and masonry products. Sealer can be used as a pre-seal.

Preparation: Always test product on a small area first and allow a 2 hour cure time to determine the ease of application and suitability of your surface type. Note some surfaces may darken slightly. Leave for 24 hours to determine appearance. With new grout, allow 48 hours and new concrete allow 28 days before application. All surfaces should be thoroughly cleaned with NATURAL CLEAN. Heavily soiled acid sensitive surfaces to be cleaned with D-GREASE, while non-acid sensitive surfaces can be cleaned with D-SCALE. All surfaces should be neutralised with NATURAL CLEAN. Allow surface to dry for approximately 12 to 24 hours before sealing. Ensure surface is clean and free of residue and other contaminants. Tape up or protect nearby surfaces as sealer will bond to all siliceous materials eg glass. Allow good ventilation and use proper PPE as per details on the SDS. Do not thin product or alter formula.

Application: Apply when surface temperature is between 5 – 35 degrees C. Use Solutions Sealers applicator, microfibre, airless sprayer or paint brush. Do not use a roller. The coats should be enough to wet the whole surface without leaving pools of sealer. On porous surfaces apply 2-3 coats, the first coat as a flood coat saturating the surface without leaving puddles the following coats applied after the previous coat has dried. On dense surfaces apply a light even coat, followed by second light coat. Note some surfaces may only require one coat. Excess sealer can be buffed in with a cloth, or for larger areas a scrubbing machine with a white nylon pad. Allow at least 15 - 30 minutes between coats. Excess should be removed after 15 minutes. Do not allow sealer to contact glass, painted surfaces, plastic, vinyl etc.

Drying: Keep surface dry and free of traffic for 2 hours after application. Full protection will be at 72 hours.

Coverage: Porous surfaces first coat approximately 4 square metres per litre, 2nd and third coats 4-6 square metres per litre. Dense surfaces 7-12 square metres per litre. Pre-sealing can reduce the amount of product required.

Clean Up: White spirits.

Maintenance details see the General Cleaning Sealed Surfaces Technical Data Sheet on solutionssealers.com.au.

Shelf life: 2 years from purchase in an unopened container – test contents after this time.

Packaging: 1lt, 4lt, 10lt, 20lt, 200lt



PRECAUTIONS/LIMITATIONS:

- Test product for suitability of sealer on your surface
- Surface temperature to be between 5 and 35 degrees C
- Do not apply sealer if rain is expected within 12 hours
- Stain resistance with develop at 72 hours
- Allow 2 hours before foot traffic
- Tape up or cover areas close to the surface to be sealed
- Will not resist against hydrostatic pressure or rising damp.
- Will not seal cracks in the surface
- Uneven or improper application may result in inconsistent performance
- Remove excess sealer after 15 minutes
- Will not stop tannin (vegetation) or bird faeces staining
- Silcopel is a water repellent, not a waterproof sealer
- Contaminants left on the surface for a long period will penetrate the sealed surface
- Sealer will not prevent surface etching or wear
- Do not use harsh chemicals for cleaning

PRODUCT WARRANTY

Contact Solutions Sealers for warranty details. Warranty for this product is available for 10 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 quality control standards. All technical data, manuals, statements and suggestions are based on in house & field testing. All information obtained herein is believed to be true & correct but accuracy and completeness of the 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 control.

SAFETY INFORMATION

Refer to safety data sheet for full details.
Available on www.solutionssealers.com

Ingredients	CAS Number	Proportion
Naphtha (petroleum), hydrodesulphurized heavy (Low Aromatic White Spirit)	64742-82-1	>60 % w/w
1,2,4-Trimethylbenzene	95-63-6	<10% w/w
1,3,5-Trimethylbenzene	108-67-8	<10% w/w
Xylene, Mixed Isomers	1330-20-7	<10% w/w
alkylsilicone resin with alkoxy groups	Trade secret	<10% w/w

Exposure limits	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:
	Time-weighted Average (TWA): None established for product. In the absence of data from National Occupational Health & Safety Commission (NOHSC) Worksafe Australia use - Mineral Spirits 150-200 HSPA: 350mg/m ³ TWA (8hr). Xylene: 350mg/m ³ (80ppm) TWA (8hr)
	Short Term Exposure Limit (STEL): None established for product. Xylene: 655mg/m ³ (150ppm) STEL

Transport Information

Labels Required	None allocated.
ADG	Not classified as Dangerous Goods.
IMDG Marine Pollutant	No
HAZCHEM	None allocated.

Regulatory Information

GHS Classification	NOT classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	Not scheduled
ADG Code	Not DG
AICIS	All ingredients present on AICS.

