

SL100 Water Repellent

"neat" silane water repellent for masonry & concrete

DESCRIPTION AND USE

SL100 is a modified, "neat" silane system that offers invisible protection and low volatility. SL100 protects horizontal and vertical concrete and masonry surfaces against water and waterborne contaminants. The small molecular structure ensures maximum penetration and colorless protection of dense, color-sensitive surfaces. Ideal for GFRC, integrally colored precast concrete and many types of natural stone.

The absence of a solvent carrier enables applicators to achieve up to 5 times the coverage rate normally achieved with solvent-reduced protective treatments. Depth of penetration is controlled by the application rate (loading rate).

ADVANTAGES

- Excellent surface beading/stain resistance when compared with conventional "neat" silane systems.
- Long-lasting protection.
- Does not form a film or gloss.
- Treated surfaces "breathe" – does not trap moisture.
- Forms an effective chloride screen that reduces surface erosion and corrosion of rebar in reinforced concrete caused by water and water-carried salts.
- Leaves little or no residue on clean window glass. Always test.

- Complies with all known national and state AIM VOC regulations.

Limitations

- Not suitable for asphalt or other nonmasonry materials.
- Not effective on limestone or marble. Always test natural stone to ensure desired results.
- Not recommended for below-grade applications or for use under hydrostatic pressure.
- Not available in South Coast Air Quality Management District, except in regulation-exempt small container sizes.

TYPICAL TECHNICAL DATA

FORM: Clear to slight yellow liquid
 SPECIFIC GRAVITY: 0.920
 ACTIVE CONTENT*: 98%
 pH: NA
 WT./GAL.: 7.65 lbs.
 FLASH POINT: 94°F (34°C) ASTM D 3278
 FREEZE POINT: ND
 SHELF LIFE: 2 years in tightly sealed, unopened container

VOC Information

US EPA: maximum VOC content 600 g/L
 CARB SCM Districts: maximum VOC content 400 g/L
 Maricopa County, AZ: maximum VOC content 400 g/L
 NEOTC: maximum VOC content 400 g/L

PREPARATION

Protect people, vehicles, property, plants and all nonmasonry surfaces from product, splash, residue, fumes and wind drift. Divert and/or protect auto and pedestrian traffic.

Ensure fresh air entry and cross ventilation during application and drying. Extinguish all flames, pilot lights and other potential sources of ignition during use and until all vapors are gone. When applying to exteriors of occupied buildings, make sure all windows, exterior intakes and air conditioning vents are covered and air handling equipment is shut down during application and until all vapors have dissipated.

If possible, install all caulking, patching and joint sealants before application. If impractical, test for adhesion and grind joints as required to properly prepare for caulking, etc. Surfaces should be thoroughly clean and free of dust, surface dirt, oil, grease and other contaminants that might prevent penetration. Carefully inspect for dust, dirt, moisture or other contaminants that can cause the product to react and stain the material.

New concrete should be thoroughly cured before application. Surfaces to be treated may be damp but should be absorbent for good penetration.

SL100 Water Repellent is recommended for these substrates. Always test. Coverage is in sq.ft./m. per gallon.

Substrate	Type	Use?	Coverage
Concrete*	Brick	yes	150-400 sq.ft. 14-37 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay*	Brick	yes	200-500 sq.ft. 19-46 sq.m.
	Tile	yes	
	Terra Cotta Pavers	yes	
Marble, Travertine, Limestone	Polished	no	NA
	Unpolished	no	NA
Granite	Polished	yes	1000-1500 sq.ft. 93-139 sq.m.
	Unpolished	yes	300-500 sq.ft. 28-46 sq.m.
Sandstone*	Unpolished	yes	200-400 sq.ft. 19-37 sq.m.
Slate	Unpolished	yes	300-600 sq.ft. 28-56 sq.m.

*May have limited effectiveness on highly porous or neutral pH surfaces. Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.

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Specifier's Note – Curing New Concrete: Blanket or water curing is recommended whenever possible. If a chemical curing agent is to be used during installation of new concrete, a test area is recommended just before general application to ensure compatibility. Dissipating-type curing agents are recommended. Do not over apply the curing agent. Removal of all surface films and contaminants is necessary for best performance.

NOTE: Some floor and wall systems incorporate asphaltic or other crack-suppression membranes. This deeply penetrative protective treatment may penetrate through exposed stone, tile, grout or paver surfaces and react with the membrane to mobilize objectionable staining. Always pretest to ensure desired results.

Surface and Air Temperatures

For maximum effectiveness, surface and air temperatures should be above 40°F (4°C) and below 95°F (35°C). Application on windy days may cause rapid evaporation of the solvent carrier and should be avoided.

Equipment

Low-pressure (<50 psi), airless spray equipment is best for application. Sprayers should be fitted with solvent-resistant hoses and gaskets to avoid discoloration. Do not atomize during application. Brushes and rollers may not achieve a uniform, extended coverage rate on large-scale applications, which could reduce cost efficiency.

Storage and Handling

Store in a cool, dry place away from potential ignition sources. Keep tightly closed when not dispensing. Do not alter or mix with other chemicals. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperature of 45-100°F (7-38°C). Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.

APPLICATION

Before use, read “Preparation” and “Safety Information.”

ALWAYS TEST each type of surface for suitability, and results before overall application. Apply test area using the following application instructions. Let test dry thoroughly before inspection.

Dilution

Use in concentrate. Do not dilute or alter, or use for purposes other than specified.

Horizontal Application Instructions

Apply once using enough material to keep the surface wet approximately 30 to 60 seconds before penetrating. Broom out puddles until they completely penetrate the surface.

Vertical Application Instructions

Saturate surface in a single application. Use enough to thoroughly wet the surface. Thoroughly brush heavy runs and drips into the surface.

Dense Surface Application Instructions

On dense surfaces apply a single coat. Use enough to completely wet the surface without creating drips, puddles or rundown. Do not over apply. Test for application rate.

On extremely porous substrates, 2 applications will provide superior protection. Apply the second coat a few minutes after the first coat has penetrated and appears dry.

Protect treated surfaces from rain, foot and vehicular traffic for at least 4 hours after application. SL100 gains its water-repellency properties in 7 days.

Cleanup

Clean tools and equipment immediately with mineral spirits, denatured alcohol or equivalent cleaning solvent. Remove overspray and spills as soon as possible.

SAFETY INFORMATION

Sure Klean® Weather Seal SL100 Water Repellent is a solvent carried product and may cause symptoms typical with organic solvent exposures. This is a flammable material. Use appropriate ventilation, safety equipment and job site controls during application and handling. Read the full label and MSDS for precautionary instructions before use.

First Aid

Ingestion: If swallowed, immediately call a physician, emergency room or poison control center for instruction on safely inducing vomiting. If vomiting occurs, keep head below waist to prevent entry of liquid into lungs.

Eye Contact: Rinse eyes thoroughly for 15 minutes. Get medical assistance if irritation persists.

Skin Contact: Rinse thoroughly. Get medical attention if irritation persists.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

24 Hour Emergency Information: INFOTRAC at 800-535-5053

WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their

own tests to determine the suitability of such products for a particular purpose.

PROSOCO, Inc. warrants this product to be free from defects.

Where permitted by law, PROSOCO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose. The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. PROSOCO's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves PROSOCO from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of PROSOCO, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care - technical support.

Factory-trained representatives are established in principal cities throughout the continental United States. Call Customer Care at 800-255-4255, or visit our web site at www.prosoco.com, and request the name of the Sure Klean® Weather Seal representative in your area.

*PROSOCO Technical Data for reactive, penetrating protective treatments reports Active Content – a calculated value based on raw materials used in the formulation. Some active content is consumed as the treatment polymerizes, reacts and bonds with the substrate.

ASTM D 5095 - Standard Test Method for Determination of the Nonvolatile Content in Silanes, Siloxanes and Silane-Siloxane Blends Used in Masonry Water Repellent Treatments – adds a catalyst to reactive treatments to measure total solids. Total solids for this product is 62%.