

# SLX100 Water & Oil Repellent

deep penetrating water, oil & stain blocker

## DESCRIPTION AND USE

Stand Off® SLX100 Water & Oil Repellent combines water and oil repellency on most substrates to prevent staining by waterborne and oily substances. This modified “neat” silane system offers invisible protection and low volatility.

The small molecular structure of SLX100 allows for maximum penetration at coverage rates higher than that of conventional silanes. Depth of penetration is controlled by the application rate (loading rate). This makes SLX100 ideal for protecting granite and other dense, color-sensitive surfaces. Additionally, SLX100 forms an effective chloride screen that reduces surface erosion and corrosion of rebar in reinforced concrete caused by water and water-carried salts.

## ADVANTAGES

- Normally won't create color change, even on dense surfaces.
- Provides long-lasting protection.
- Treated surfaces “breathe” – does not trap moisture.
- Coverage rate higher than typical water repellents or other stain-resistant impregnators.
- Resists oil and food stains. Does not form a surface film or gloss.
- Excellent surface beading when compared with conventional “neat” silanes.
- Complies with all known national and state AIM VOC regulations.

## Limitations

- Not recommended for asphalt or other nonmasonry materials.
- Not recommended for below-grade applications or for use under hydrostatic pressure.
- Limited effectiveness on some limestone and marble. Always test.
- Not available in South Coast Air Quality Management District, except in regulation-exempt small container sizes.

## TYPICAL TECHNICAL DATA

FORM: Clear liquid, slight solvent odor

SPECIFIC GRAVITY: 0.913

ACTIVE CONTENT\*: 93%

pH: NA

WT/GAL: 7.60 lbs.

FLASH POINT: 80°F (27°C) ASTM D 3278

FREEZE POINT: ND

SHELF LIFE: 1 year 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 passersby, building occupants, people, vehicles, property, glass, plants and all nonmasonry from product, residue, splash, 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 are shut down during application and until vapors have dissipated.

If possible, install all caulking, patching and joint sealants before applying. If impractical, special joint preparation may be required to ensure caulk adhesion. For maximum penetration, clean surfaces thoroughly with appropriate Stand Off® cleaner. Cure new concrete thoroughly before applying. Surfaces may be damp but should be absorbent for good penetration.

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 test for desired results.

**Specifier's Note – Curing New Concrete:** Blanket or water curing is recommended whenever possible. If a chemical curing agent is required, dissipating curing agents are recommended. Avoid overapplication of the curing agent. For best performance, remove all other surface films and contaminants before application.

## Surface and Air Temperatures

Should be 40-90°F (4-32°C) during application. Do not apply over 90°F (32°C). Avoid application on hot, windy days.

## Equipment

Preferred method of application is with low-pressure (<50 psi), airless spray equipment. Sprayers should be fitted with solvent-resistant hoses and gaskets to avoid discoloration. Solvent-resistant brushes and rollers, or lamb's wool applicators are okay for small-scale applications.

## Storage and Handling

Store in a cool, dry place away from potential ignition sources. Keep tightly closed when not dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperatures 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 desired results before overall application. Test using the following application instructions. Let test dry thoroughly before inspection.

### Dilution

Use in concentrate. Do not dilute or alter material. Stir or mix well before use.

### Coverage Rates

Coverage varies based on porosity and texture. Always test. Coverage is in sq.ft./m. per gallon of concentrate.

Porous	Not recommended
Semi-porous	150-300 sq.ft. / 14-28 sq.m.
Non-porous	300-600 sq.ft. / 28-56 sq.m.

### Horizontal Application Instructions

1. Apply in a single application. Use enough material to keep the surface wet for about a minute before penetrating.
2. Broom out all puddles thoroughly until they completely penetrate the surface.
3. Wipe down excess with a clean, absorbent towel.

### Vertical Application Instructions

1. Apply in a single, saturating application. Use enough to thoroughly wet the surface and create a slight rundown below the spray pattern. Apply uniformly. Don't over apply.
2. Brush heavy runs and drips thoroughly into the surface.

*On extremely porous substrates*, two applications will provide superior protection. Apply the second coat within 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. SLX100 gains its oil resistance properties in 24 hours and water repellency properties in 72 hours.

### Cleanup

Clean tools and equipment immediately with mineral spirits or equivalent cleaning solvent. Remove overspray and spills as soon as possible. Container may retain residues. Keep from ignition sources. Do not reuse.

## Maintenance

Remove spills or stains from surfaces treated with SLX100 as soon as possible. Use water or Stand Off® Rinseless Cleaner. For problem soiling or staining use:

- Stand Off® Oil & Grease Stain Remover
- Stand Off® All Surface Cleaner
- Enviro Klean® Degreaser

## SAFETY INFORMATION

Stand Off® SLX100 is a solvent-carried product and may cause symptoms typical with organic solvent exposure. 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:* Call physician immediately. Treat as methanol ingestion.

*Eye Contact:* Rinse eyes thoroughly for 15 minutes. Get medical attention.

*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](http://www.prosoco.com), for the name of the Stand Off<sup>®</sup> representative in your area.

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\*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 58%.