

# SLX100 Water & Oil Repellent

deep penetrating water, oil & stain blocker

## DESCRIPTION AND USE

Stand Off® SLX100 Water & Oil Repellent complies with all known regulations limiting the Volatile Organic Compound (VOC) content of architectural coatings and sealers.

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.
- Does not form a surface film or gloss.
- Treated surfaces “breathe” – does not trap moisture.
- Coverage rate higher than typical water repellents or other stain-resistant impregnators.
- Resists oil and food stains.
- Excellent surface beading when compared with conventional “neat” silanes.
- Complies with all known national, state and district AIM VOC regulations.

## Limitations

- Not recommended for asphalt or other nonmasonry materials.
- Surface and air temperatures should not exceed 90°F (32°C) at the time of application. Avoid application on hot, windy days.
- Not recommended for below-grade applications or for use under hydrostatic pressure.
- Limited effectiveness on some limestone and marble. Always test.

## 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: < -22°F (< -30°C)

## VOC Information

US EPA: maximum VOC content 600 g/L  
 CARB SCM Districts: maximum VOC content 400 g/L  
 SCAQMD: 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, glass, plants and all nonmasonry from product, residue, splash, fumes and wind drift. Divert and/or protect auto and pedestrian traffic.

## Surface Preparation

If possible, install all caulking, patching and joint sealants before applying SLX100. 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 SLX100. Surfaces may be damp but should be absorbent for good SLX100 penetration.

<b>SLX100 is recommended for these substrates. Always test. Coverage is in sq.ft./m. per gallon.</b>			
<i>Substrate</i>	<i>Type</i>	<i>Use?</i>	<i>Coverage</i>
<b>Architectural Concrete Block</b>	Smooth	no	NA
	Split-faced	no	
	Burnished	no	
	Ribbed	no	
<b>Concrete*</b>	Brick	yes	150-400 sq.ft. 14-37 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	yes	
	Cast-in-place	yes	
<b>Fired Clay*</b>	Brick	yes	200-500 sq.ft. 19-46 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
<b>Marble, Travertine, Limestone*</b>	Polished	yes	300-500 sq.ft. 28-46 sq.m.
	Unpolished	yes	
<b>Granite</b>	Polished	yes	400-600 sq.ft. 37-56 sq.m.
	Unpolished	yes	
<b>Sandstone</b>	Unpolished	yes	200-400 sq.ft. 19-37 sq.m.
<b>Slate</b>	Unpolished	yes	300-600 sq.ft. 28-56 sq.m.

\*May darken some surfaces. \*Limited effectiveness on some limestone and marble. Always test. Always test to ensure desired results. Coverage estimates depend on dilution, surface texture and porosity.

### Surface and Air Temperatures:

Should be 40-90°F (4-32°C) during application.

### 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 of SLX100.

### 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.

## 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.

### 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 overapply.
2. Brush heavy runs and drips thoroughly into the surface.

Protect treated surfaces from rain, foot and vehicular traffic for at least 4 hours after application.

On extremely porous substrates, two applications of SLX100 will provide superior protection. Apply the second coat within a few minutes after the first coat has penetrated and appears dry.

SLX100 gains its oil resistance properties in 24 hours and its water repellency properties in 72 hours.

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.**

### Clean Up

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

### 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

Danger. Poison. Flammable liquid and vapor. May be fatal or cause blindness if swallowed. Vapor harmful. For use by professional applicators only. Keep out of the reach of children.

### Precautionary Measures

Cannot be made nonpoisonous. **Contains:** Organosilane, mineral spirits, and methyl alcohol. May affect the brain or nervous system causing dizziness, headache, or nausea. Causes eye, skin and respiratory irritation. **Vapors may ignite explosively.** Keep away from heat, sparks and flame. Do not smoke. Vapors may ignite explosively and may travel along the ground or by ventilation to ignition sources far from the application site. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Methyl alcohol will evolve during curing of this product. Powered ventilation and application equipment must be explosion-proof. Always bond and ground when transferring between containers. Do not cut, grind, weld, or drill on or near this container, even if empty. Empty container retains residues and vapors and may be hazardous.

**Use only with adequate ventilation.** Do not breathe vapors or mist. Ensure fresh air entry and cross ventilation during application and drying. 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 remain so until vapors have dissipated. Avoid exposing passersby and building occupants to product, fumes and mists. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, increase ventilation and/or wear an appropriate, properly fitted, NIOSH-approved respirator. Avoid contact with eyes, skin and clothing. Wear splash goggles or a face shield to avoid splash to eyes. Wear protective clothing, gloves and boots as needed to avoid prolonged skin contact. Wash thoroughly after handling.

**NOTICE:** Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

## First Aid

**Ingestion:** Aspiration Hazard. 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.

**Spills:** Eliminate sources of ignition. Wear appropriate personal protective equipment and respirator. Use spark proof equipment. Keep product away from soil, sewer systems and surface and ground water. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

**Container Disposal:** This container is hazardous when empty. Since empty containers retain product residue, all labeled hazard precautions must be observed. Do not cut, puncture or weld on or near this container. Do not reuse container or remove the label. Drain thoroughly and dispose of in a sanitary landfill (check local restrictions) or send to a properly licensed reconditioner.

**Storage and Handling:** Store this container in a cool, dry place with adequate ventilation. Keep away from heat and open flames. Keep container tightly sealed when not dispensing. Do not use pressure to empty. Do not atomize during application. Do not alter or dilute the product or use for purposes other than those specified. Read the MSDS and label for additional precautionary information. Always read the product label thoroughly before use.

**Shelf Life:** 1 year from the date of manufacture in tightly sealed, unopened container.

## 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%.