



SLX100® Water & Oil Repellent

PROSOCO® 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 (loading) rate. This makes SLX100® ideal for protecting concrete, granite and other dense, color-sensitive surfaces.

PROSOCO® SLX100® forms an effective chloride screen that reduces surface erosion and corrosion of rebar in reinforced concrete caused by water and water-carried salts.

REGULATORY COMPLIANCE

VOC Compliance

PROSOCO® SLX100® Water & Oil Repellent is compliant with the US Environmental Protection Agency's AIM VOC regulations.

Visit www.prosoco.com/voc-compliance to confirm compliance with individual district or state regulations.

SAFETY INFORMATION

This product contains a material that can cause serious lung damage or impairment if inhaled as an aerosol or fine mist. **DO NOT ATOMIZE DURING APPLICATION.** Do not buff or burnish after application.

Always read full label and SDS for precautionary instructions before use. Use appropriate safety equipment and job-site controls during application and handling.

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

ADVANTAGES

- Normally won't create color change, even on dense surfaces.
- Provides long-lasting protection.
- Treated surfaces “breathe” – does not trap moisture.
- Compatible with Consolideck® lithium silicate hardeners/densifiers.
- 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.
- Safe for use on surfaces subjected to vehicular traffic.
- Appropriate for application to concrete which is cured, cured and honed, cured and polished or cured and highly polished.

Limitations

- Not recommended for use on Architectural Concrete Block.
- May darken some concrete and fired clay surfaces. Always test to ensure desired results.
- Not recommended for asphalt or other non masonry materials.
- Not recommended for below-grade applications or for use under hydrostatic pressure.
- Always pretest to ensure desired results before application to floors previously treated with Consolideck® LSGuard®.
- Do not buff or burnish after application.
- Will not prevent water penetration through structural cracks, defects or open joints.
- Limited effectiveness on some limestone and marble. Always test.
- Not available in all air quality management jurisdictions, except in regulation-exempt small container sizes.

Product Data Sheet

PROSOCO® SLX100® Water & Oil Repellent

TYPICAL TECHNICAL DATA

FORM	Clear, colorless liquid Slight solvent odor
SPECIFIC GRAVITY	0.913
pH	not applicable
WT/GAL	7.60 lbs
ACTIVE CONTENT	93%
TOTAL SOLIDS	58% ASTM D 5095
VOC CONTENT	maximum 350 g/L, Reactive Penetrating Sealant
FLASH POINT	108° F (42° C) ASTM D 3278
FREEZE POINT	no data
SHELF LIFE	1 year in tightly sealed, unopened container

PREPARATION

Protect passersby, building occupants, people, vehicles, property, glass, plants and all non masonry from product, residue, splash, fumes, mist and wind drift. Divert and/or protect auto and pedestrian traffic.

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 PROSOCO cleaner. Cure new concrete thoroughly before application. Surfaces may be damp but should be absorbent for good penetration.

Cure new concrete thoroughly before applying.

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.

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 over application 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 when temperatures are over 90° F (32° C). Avoid application on hot, windy days.

Equipment

Preferred method of application is with low-pressure (<50 psi), pump type spray equipment. Adjust tip to prevent atomization during application. **DO NOT ATOMIZE DURING APPLICATION.** This product contains a material that can cause serious lung damage or impairment if inhaled as an aerosol or fine mist.

Battery powered pump sprayers should be rated as explosion proof. 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

Read “Preparation” and the Safety Data Sheet before use.

ALWAYS TEST a small area of each surface to confirm suitability, coverage rate and desired results before beginning overall application. Include in the test area any previous repairs and patches, including aesthetic cementitious finishes. Different surface compositions may result in absorption and/or appearance differences. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection.

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Dilution & Mixing

Apply as packaged. Do not dilute or alter, or use for applications other than as specified.

Stir or mix well before use.

Typical Coverage Rates

Coverage varies based on surface porosity and texture. Always test. Coverage is in square feet/meters per gallon of concentrate.

- *Porous Surfaces*: must be determined via test panel
- *Semi-Porous Surfaces*: 150–300 sq.ft. / 14–28 sq.m.
- *Non-Porous Surfaces*: 300–600 sq.ft. / 28–56 sq.m.

Application Instructions

Horizontal Surfaces

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 Surfaces

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. Do not over apply.

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

If used on extremely porous surfaces, two applications will provide superior protection. Apply the second coat within a few minutes after the first coat has penetrated and appears dry. Coverage rates must be determined by a test panel.

Drying Time

Protect treated surfaces from rain, foot and vehicular traffic for at least 4 hours after application. PROSOCO® SLX100® Water & Oil Repellent 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 rundown and spills as soon as possible.

Container may retain residues. Keep from ignition sources. Do not reuse.

Maintenance

This product is not designed for use with buffing or burnishing equipment.

Remove surface dust and debris daily using a micro fiber pad, dry dust mop or by auto-scrubbing.

BEST PRACTICES

Surfaces to be treated must be clean, dry and absorbent. Remove all loose construction debris and foreign materials. Remove all curing compounds, coatings, paint, wax, embedded soiling, rust, grease and oil using the appropriate PROSOCO surface preparation cleaner.

If possible, install all caulking, patching and joint sealants before application. If impractical, special joint preparation may be required to ensure caulk adhesion.

Cure new concrete thoroughly before application. Blanket or water curing is recommended whenever possible. If a chemical curing agent is required, dissipating curing agents are recommended. Avoid over application of the curing agent. For best performance, remove all other surface films and contaminants before application

Acid-stained concrete must be thoroughly neutralized and rinsed prior to application.

Concrete floors may be treated with Consolideck® LS® or LS/CS® prior to application of SLX100® Water & Oil Repellent.

Floors treated and burnished with Consolideck® LSGuard® may be treated with a light coat of SLX100®.

Do not buff or burnish after application. Always perform a test area first to ensure desired results.

Preferred method of application is with low-pressure (<50 psi), pump type spray equipment. **DO NOT ATOMIZE DURING APPLICATION.** Adjust tip to prevent atomization.

For small scale applications, solvent-resistant brushes and rollers, or lamb's wool applicators are appropriate.

Do not buff or burnish after application. This product is not designed for use with buffing or burnishing equipment.

For treated concrete floors, use Consolideck® DailyKlean or LSKlean for maintenance cleaning. LSKlean contains lithium-silicate for improving surface density and preserving the surface sheen.

For treated concrete floors regularly maintained with auto scrubbers, see Consolideck® DailyKlean ULTRA 15 or DailyKlean ULTRA 30 for easy dilution. The same ease of dilution is available for deep cleaning with Consolideck® LSKlean ULTRA 15 and LSKlean ULTRA 30.

Never go it alone. If you have problems or questions, contact your local PROSOCO distributor or field representative. Or call PROSOCO technical Customer Care at 800-255-4255.

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Remove spills or stains from surfaces treated with SLX100® as soon as possible to minimize any potential for damage. Though SLX100® will improve the resistance of treated surfaces to staining, acid concentrates and acidic foods may etch the floor and leave a residual stain.

Do not use acidic cleaners.

Maintain treated concrete floors using Consolidock® DailyKlean or LSKlean. Maintain other treated surfaces, using water or Stand Off® Rinseless Cleaner.

For problem soiling or staining contact PROSOCO at 800-255-4255 for free consultation.

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 website at www.prosoco.com, for the name of the PROSOCO representative in your area.