

**CONSOLIDECK®**  
HIGH-PERFORMANCE CONCRETE

# SLX100® Water & Oil Repellent <350

*low VOC deep penetrating water, oil & stain blocker*

## OVERVIEW

Consolideck® SLX100® Water & Oil Repellent <350 combines effective water and oil repellency on densified concrete with VOC levels low enough to be used in every U.S. state, including most of California. This modified "neat" silane system prevents staining by waterborne and oily substances. It provides invisible protection and low volatility.

The small molecular structure of SLX100® <350 permits 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® <350 ideal for protecting hardened, densified concrete, and other dense substrates.

Additionally, SLX100® <350 forms an effective chloride screen that reduces surface erosion and corrosion of rebar in reinforced concrete caused by water and water-carried salts.

## SPECIFICATIONS

For all PROSOCO Product specifications visit [www.prosoco.com](http://www.prosoco.com).

## ADVANTAGES

- Normally will not create color change, even on dense surfaces.
- Provides long-lasting protection.
- Compatible with lithium silicate hardeners and densifiers.
- Treated surfaces "breathe" – does not trap moisture.

- Higher coverage rates 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 asphalt or other non masonry materials.
- Not recommended for below-grade applications or for use under hydrostatic pressure.
- Do not buff or burnish after application. See "Maintenance" on page 3.
- Will not stop water penetration through structural cracks, defects or open joints.
- Always pretest to ensure desired results before application to floors previously treated with Consolideck® LSGuard®. Do not buff or burnish after application. See "Best Practices" on page 3.
- Limited effectiveness on some limestone and marble. Always test.
- Not available in all air quality management jurisdictions, except in regulation-exempt small container sizes.

## REGULATORY COMPLIANCE

### VOC Compliance

Consolideck® SLX100® Water & Oil Repellent <350 is compliant with the following national, state and district AIM VOC regulations:

- ☒ US Environmental Protection Agency
- ☒ California Air Resources Board SCM Districts\*
- ☐ South Coast Air Quality Management District\*
- ☒ Maricopa County, AZ
- ☒ Northeast Ozone Transport Commission

\*Before application, verify product conformance with local and state codes.

## TYPICAL TECHNICAL DATA

FORM	clear liquid, slight solvent odor
SPECIFIC GRAVITY	0.909
pH	Not applicable
WT/GAL	7.56 lbs
ACTIVE CONTENT	93%
TOTAL SOLIDS	62% ASTM D 5095
VOC CONTENT	350 g/L maximum
FLASH POINT	107°F (42°C) ASTM D 3278
FREEZE POINT	No data
SHELF LIFE	1 year in tightly-sealed, unopened container

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## 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 Consolideck® cleaner. Cure new concrete thoroughly before applying. Surfaces may be damp but should be absorbent for good penetration.

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 surfaces and react with the membrane to mobilize objectionable staining. Always test for desired results.

### Specififier'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. Remove all 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), pump type spray equipment. **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. Adjust tip to prevent atomization during application.

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

**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

Apply as packaged. Use in concentrate. Stir or mix well before use. Do not dilute or alter material, or use for applications other than as specified. Do not atomize during application.

## ALWAYS TEST

**ALWAYS TEST** a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application.

## Coverage Rates

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

- 150–600 square feet per US gallon
- 14–56 square meters per US gallon

## 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.

**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.

## Drying Time

Protect treated surfaces from rain, foot and vehicular traffic for at least 4 hours after application. SLX100® <350 gains its oil resistance properties in 24 hours and water repellency properties in 72 hours.

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## 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. Maintain the floor with Consolideck® LS Klean ULTRA. This product was developed to further enhance the long-term performance of your finished concrete floor.

Remove spills or stains from surfaces treated with SLX100® <350 as soon as possible. On polished or other decorative concrete, use the Consolideck® Quick Response Spill Clean-up Kit. For problem soiling or staining visit [www.consolideck.com](http://www.consolideck.com) for the appropriate cleaner, or call Technical Customer Care at 800-255-4255 for free consultation.

Do not use acidic cleaners. Though Consolideck® SLX100® <350 will improve the resistance of concrete surfaces to staining, acid concentrates and acidic foods may etch the floor and leave a residual stain. Clean up all spills quickly to minimize any potential for damage.

## SAFETY INFORMATION

Consolideck® SLX100® Water & Oil Repellent <350 is a solvent-carried product and may cause symptoms typical with organic solvent exposure. 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.** Use approved respiratory protection if aerosols or mists are present and as necessary for solvent exposure. This is a combustible 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**

## 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 Consolideck® surface preparation cleaner.

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

Floor may be treated with Consolideck® LS® or LS/CS® prior to application of Consolideck® SLX100® Water & Oil Repellent <350.

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

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

Maintain Consolideck® hardened floors with Consolideck® LS Klean ULTRA.

Floors treated and burnished with Consolideck® LS Guard® may be treated with a light coat of SLX100® <350. Do not buff or burnish after application. Always perform a test area first to ensure desired results.

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

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## **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 Consolideck® representative in your area.