

*long-lasting, prediluted water repellent*

**DESCRIPTION AND USE**

Sure Klean® Weather Seal Siloxane PD (predilute) is a ready-to-use, water-based silane/siloxane water repellent for concrete, GFRC, and most masonry and stucco surfaces. Siloxane PD will not impair the natural breathing characteristics of treated surfaces. It helps masonry resist cracking, spalling, staining and other damage related to water intrusion. Low odor and alkaline stable, Siloxane PD is ideal for field and in-plant application.

**ADVANTAGES**

- Penetrates deeply for long-lasting protection on vertical or horizontal surfaces.
- Service life is estimated at more than 10 years.
- Treated surfaces “breathe” – does not trap moisture.
- Water-based formula minimizes explosion and fire hazards compared to solvent-based water repellents.
- Easy cleanup with Enviro Klean® 2010 All Surface Cleaner.
- Low odor for safer application to occupied buildings.
- Alkaline stable – suitable for new “green” concrete.

- Ready-to-use product. No on-site dilution required.
- Complies with all known national, state and district AIM VOC regulations.

**Limitations**

- Won't keep water out of cracks, defects or open joints.
- Not recommended for below-grade application.
- Not suitable for application to synthetic resin paints, gypsum, or other nonmasonry surfaces.

**TYPICAL TECHNICAL DATA**

FORM: White milky liquid  
 SPECIFIC GRAVITY: 0.996  
 ACTIVE CONTENT\*: 7%  
 pH: 4-5  
 WT/GAL: 8.29 lbs.  
 FLASH POINT: >212°F (>100°C) ASTM D 3278  
 FREEZE POINT: 32°F (0°C)  
 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 120 g/L  
 SCAQMD: maximum VOC content 120 g/L  
 Maricopa County, AZ: maximum VOC content 400 g/L  
 NEOTC: maximum VOC content 120 g/L

**PERFORMANCE TESTS**

Laboratory testing shows Siloxane PD to be a highly effective general-purpose water repellent/chloride screen.

**ASTM E 514 Standard Test Method for Water Penetration and Leakage Through Masonry**  
 (compared to untreated control) 100%

**ASTM E 96 Water Vapor Transmission**  
 (retention compared to untreated control) 91%

**ASTM C 97 Reduction of Water Absorption**  
 (compared to untreated control) 89%

**Rilem II.4 Tube Test**  
 5.0 milliliter tube 0 ml loss

**Surface Deterioration/Discoloration** None

**Resistance To**  
 • Sunlight Excellent  
 • Alkalinity Excellent

**Surface Appearance**  
 (after application) No change

Siloxane PD

<b>Siloxane PD 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>	Burnished	no	NA
	Smooth	no	
	Split-faced	no	
	Ribbed	no	
<b>Concrete</b>	Brick♦	yes	150-200 sq.ft. 14-19 sq.m.
	Tile	yes	
	Precast Panels*	yes	
	Pavers	yes	
	Cast-in-place*	yes	
<b>Fired Clay</b>	Brick	yes	100-175 sq.ft. 9-16 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
<b>Marble, Travertine, Limestone</b>	Polished	no	NA
	Unpolished	no	NA
<b>Granite</b>	Polished	no	NA
	Unpolished♦	no	NA
<b>Sandstone</b>	Unpolished	yes	75-125 sq.ft. 7-12 sq.m.
<b>Slate</b>	Unpolished♦	no	NA

♦ Sure Klean® Custom Masonry Sealer is a more appropriate product.  
 \*See specific Dense Surface Application Instructions.  
 ♦ Stand Off® SLX100 or Sure Klean® Weather Seal SL100 may be a more appropriate product. Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.

## PREPARATION

Protect people, vehicles, property, plants, windows and all nonmasonry surfaces from product, splash, residue, fumes and wind drift. Protect and/or divert foot and auto traffic.

Thoroughly clean the surface using the appropriate Sure Klean® or Enviro Klean® product. Clean newly constructed and repointed surfaces before application. Siloxane PD won't impair adhesion of most sealing and caulking compounds. Always test for compatibility.

Though Siloxane PD may be applied to slightly damp surfaces, best performance is achieved on clean, visibly dry and absorbent surfaces. Excessive moisture inhibits penetration, reducing the service life and performance of the treatment.

Protect window glass before use. Sure Klean® Strippable Masking is effective protection for use with this product. If protecting windows is impractical, follow these steps:

1. Clean window glass thoroughly before application to nearby concrete or masonry.
2. Don't use in wind or when air or surface temperatures are hotter than 95°F (35°C).
3. Try to keep Siloxane PD off the glass.
4. After treated surfaces have been protected from water for 6 hours, if product is on window glass, clean as soon as possible with soap and warm water. Alternatively use Enviro Klean® 2010 All Surface Cleaner to remove dried residues within 3-5 days.

## Surface and Air Temperatures

Best surface and air temperatures are 40-95°F (4-35°C) during use and for 8 hours after. If freezing conditions exist before application, let masonry thaw. The water carrier may freeze at low temperatures or evaporate in high temperatures. Both conditions impair penetration and results. Cleanup is more difficult from surfaces hotter than 95°F (35°C).

## Equipment

Apply with brush, roller or low-pressure spray (<50 psi). Fan tips are recommended for sprayers. Avoid atomization of material.

## APPLICATION

**Before use, read "Preparation" and "Safety Information."**

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

## Dilution

Do not dilute or alter.

## Vertical Application Instructions

For best results, apply "wet-on-wet" to a visibly dry and absorbent surface.

**Spray:** Saturate from the bottom up, creating a 4-8" (15-20 cm) rundown below the spray contact point. Let the first application penetrate for 5-10 minutes. Resaturate. Less will be needed for the second application.

**Brush or roller:** Saturate uniformly. Let penetrate for 5-10 minutes. Brush out heavy runs and drips that don't penetrate.

## Horizontal Application Instructions

Saturate in a single application. Use enough to keep the surface wet for 2-3 minutes before penetration. Broom out puddles until they soak in.

## Dense Surface Application Instructions

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.

Treated surfaces dry to touch in 1 hour. Protect surfaces from rainfall for 6 hours following treatment. Protect from foot and vehicle traffic until visibly dry. Siloxane PD gains its water-repellency properties in 72 hours.

## Cleanup

Clean tools, equipment, and overspray with soap and warm water.

## Paint Adhesion

Always test to make sure paint sticks to treated surfaces. Improve adhesion before painting by pressure water-rinsing the treated surface, then letting it dry.

Some cementitious coatings, plaster, stucco, etc., may not adhere well to treated surfaces. Install them first and let them thoroughly cure before application. Always test to verify compatibility between Siloxane PD and other proposed surface treatments.

## SAFETY INFORMATION

Caution. May cause eye and skin irritation. Keep out of the reach of children. Read full label for precautionary instructions before use.

## Precautions

**Contains:** Methylhydrogen siloxane, alkyl alkoxy silane. Avoid eye contact. Wear safety glasses or splash goggles depending on application procedures. Avoid prolonged skin contact. If skin is sensitive or becomes irritated, wear rubber gloves. Wear long sleeved work clothing or splash-resistant clothing as needed. Do not breathe mists. May cause respiratory irritation. Wear a NIOSH approved dust/mist respirator as needed. Wash thoroughly after handling. Generates ethyl alcohol and hydrogen during curing. Maintain adequate ventilation inside.

**Storage and Handling:** Store and transport upright with lid tightly in place. Store in a cool, dry place. Keep from freezing. Do not reuse or remove the label. Do not alter, dilute product or use for applications other than specified. **If spilled,** keep from drains

and soil. Absorb with inert media. Dispose of contaminated absorbent, container and product in accordance with local, state and federal regulations. Refer to the MSDS and Product Data for additional use and cautionary information.

### **First Aid**

*Ingestion:* Call a physician, emergency room or poison control center immediately for instruction on properly inducing vomiting. Get medical assistance.

*Eye Contact:* Rinse thoroughly for 15 minutes. Get immediate medical assistance.

*Skin Contact:* Remove contaminated clothing and rinse thoroughly for 15 minutes. Seek medical assistance if persistent irritation develops. Launder contaminated clothing before reuse.

*Inhalation:* Seek medical attention if irritation develops.

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

**WARNING:** Contains a chemical (Acetaldehyde) known to the State of California to cause cancer.

### **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 purchaser shall be responsible to make his own tests to determine the suitability of this product for his 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.** 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), and request the name of the Sure Klean® Weather Seal 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 4%.