

07 00 00 Thermal & Moisture Protection

07 19 00 Water Repellents

07 19 23 Siloxane Water Repellents

→SURE-KLEAN® Weather Seal

Siloxane PD

long-lasting, prediluted water repellent

OVERVIEW

Sure Klean® Weather Seal Siloxane PD (predilute) is a ready-to-use, water-based silane/siloxane water repellent for concrete 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.

SPECIFICATIONS

For all PROSOCO product specifications visit www.prosoco.com.

ADVANTAGES

- Penetrates deeply for long-lasting protection on vertical or horizontal surfaces.
- Service life is estimated at more than 10 years.
- Treated surfaces “breathe”; doesn’t 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, 14–28 days old.
- Ready-to-use. No on-site dilution required.
- Complies with all known national, state and district AIM VOC regulations.

Limitations


- Will not 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 non masonry surfaces.

REGULATORY COMPLIANCE

VOC Compliance

Sure Klean® Weather Seal Siloxane PD is compliant with the following national, state and district regulations:

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



SEALANT · WATERPROOFING & RESTORATION INSTITUTE

Issued to: PROSOCO Inc.
Product: Sure Klean Weather Seal Siloxane PD

ASTM D 6532: Water Absorption Reduction – Concrete 85.61%

ASTM C 67: Water Absorption Reduction – Brick 91.80%

ASTM C 140: Water Absorption Reduction – CMU 92.22%

ASTM D 6490: Water Vapor Transmission WVT (grains/h ft²) 1.22; Permeance 2.99

Validation Date: 4/3/13 – 4/2/18

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CLEAR PENETRATING VERTICAL WATER REPELLENT VALIDATION PROGRAM

www.swrionline.org

NOTE: The SWR Institute Validation Program uses standardized testing for validation purposes, including testing on CMU. PROSOCO **does not** recommend the use of Siloxane PD on CMU. Please reference the Substrate Chart on Page 2.

TYPICAL TECHNICAL DATA

FORM	white milky liquid
SPECIFIC GRAVITY	0.996
pH	4–5
WT/GAL	8.29 lbs
ACTIVE CONTENT	7%
TOTAL SOLIDS	4% ASTM D 5095
VOC CONTENT	<30 g/L Low Solids Coating
FLASH POINT	>212° F (>100° C) ASTM D 3278
FREEZE POINT	32° F (0° C)
SHELF LIFE	1 year in tightly sealed, unopened container.

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PERFORMANCE TESTS

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

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/DiscolorationNone

Resistance To

- SunlightExcellent
- AlkalinityExcellent

Surface Appearance

(after application) No change

PREPARATION

Protect people, vehicles, property, plants, windows and all non masonry 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.

Window Glass Protection

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.

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.

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.

Storage and Handling

Keep from freezing. Store in a cool, dry place. Always seal container after dispensing. Do not alter or mix with other chemicals. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperature 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.

Recommended for these substrates. Always test. Coverage is in sq.ft./m. per gallon.			
Substrate	Type	Use?	Coverage
Architectural Concrete Block*	Burnished	no	N/A
	Smooth	no	
	Split-faced	no	
	Ribbed	no	
Concrete	Brick*	yes	150–200 sq.ft. 14–19 sq.m.
	Tile	yes	
	Precast Panels*	yes	
	Pavers	yes	
	Cast-in-place*	yes	
Fired Clay	Brick	yes	50–175 sq.ft. 5–16 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	N/A
	Unpolished	no	N/A
Granite	Polished	no	N/A
	Unpolished*	no	N/A
Sandstone	Unpolished	yes	75–125 sq.ft. 7–12 sq.m.
Slate	Unpolished*	no	N/A

*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.

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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. Apply as packaged.

Application Instructions

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

Vertical Surfaces: Sprayer

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.

Vertical Surfaces: Brush or Roller

Saturate uniformly. Let penetrate for 5–10 minutes. Brush out heavy runs and drips that don't penetrate.

Horizontal Surfaces

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 Surfaces

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.

Drying Time

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 over spray 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

Sure Klean® Weather Seal Siloxane PD is a water carried product. Use appropriate 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 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

BEST PRACTICES

Surface should be clean, dry and absorbent before application.

Cleaned soiled surfaces with the appropriate Sure Klean® or Enviro Klean® cleaner before application. Call Customer Care toll-free at 800-255-4255 for recommendations.

Preferred method of application is low-pressure spray equipment. Use a fan-type spray tip and adjust pressure to avoid atomization of the material.

Protect treated surfaces from rain for 6 hours following treatment.

ALWAYS TEST for best coverage rates and to confirm results before overall application. Test using the application instructions included herein. Let the test area dry thoroughly before inspection.

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, for the name of the Sure Klean® Weather Seal representative in your area.