

DESCRIPTION AND USE

Consolideck® Saltguard® is a general-purpose silane/siloxane water repellent and chloride screen for concrete and masonry. Saltguard® protects horizontal and vertical surfaces from moisture intrusion and chemical attack of chloride salts, reducing rebar corrosion and surface spalling.

Saltguard® may be used on horizontal surfaces such as sidewalks, tile and brick pavers. It also provides excellent protection for retaining walls, bridge pilings and other vertical areas. In coastal areas, Saltguard® protects against salt air by reducing chloride penetration. Saltguard® also prevents deep-seated staining by mud splashes and other waterborne contaminants.

ADVANTAGES

- Non film-forming – will not create a slippery surface.
- Effective chloride ion screen protects against salts and salt air.
- Deep penetration.
- Alkaline stable – performs on new concrete where other treatments fail.

- Treated surfaces “breathe” – does not trap moisture.
- Low odor.

Limitations

- Not suitable for application to synthetic resin paints, gypsum, plaster or other nonmasonry surfaces.
- May not be suitable for surfaces receiving paints or coatings. Always test.
- May cause slight darkening on some surfaces.
- May adhere to glass. Contact PROSOCO for removal recommendations.
- Not suitable for protecting surfaces subject to constant water spray (car washes).
- Will not compensate for structural or material defects.

TYPICAL TECHNICAL DATA

FORM: Clear liquid
 SPECIFIC GRAVITY: 0.794
 ACTIVE CONTENT*: 11%
 WT/GAL: 6.61 lbs.
 FLASH POINT: 127°F (53°C) ASTM D 3278
 FREEZE POINT: ND
 SHELF LIFE: 2 years in a tightly sealed, unopened container

VOC Information

Manufactured and marketed in compliance with USEPA AIM VOC regulations (40 CFR 59.403). Not suitable for sale in states and districts with more restrictive AIM VOC regulations.

PREPARATION

Protect people, vehicles, nearby property, metal and anodized aluminum, glass, plants and all nonmasonry from product, fumes, spray and wind drift. Divert and/or protect auto and pedestrian traffic. Protect window glass.

Surface Preparation

If possible, install all caulking, patching and joint sealants before applying Saltguard®. If impractical, special joint preparation may be required to ensure caulk adhesion. For maximum penetration, clean surfaces thoroughly with the appropriate Sure Klean® cleaner to remove all surface dirt, oil, grease and other contaminants. New concrete should be thoroughly cured before application of Saltguard®. Do not attempt application where condensation is present.

Avoid exposing building occupants to fumes. On occupied buildings, cover all windows, air intakes and exterior air conditioning vents. Shut down air handling equipment during cleaning and until surfaces are thoroughly dry. Use fans and supplemental ventilation when applying on interior surfaces. Maintain ventilation until surfaces are thoroughly dry. Fumes attack glass, metal and all other acid-sensitive surfaces.

Saltguard®

Saltguard® is recommended for these substrates. Always test. Coverage is in sq.ft./m. per gallon.

Substrate	Type	Use?	Coverage
Architectural Concrete Block*	Burnished	no	NA
	Smooth	no	
	Split-faced	no	
	Ribbed	no	
Concrete	Brick	yes	125-175 sq.ft. 12-16 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay*	Brick	yes	100-200 sq.ft. 9-19 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	NA
	Unpolished	no	NA
Granite	Polished	no	NA
	Unpolished	yes	150-225 sq.ft. 14-21 sq.m.
Sandstone	Unpolished	yes	150-225 sq.ft. 14-21 sq.m.
Slate	Unpolished	yes	200-300 sq.ft. 19-28 sq.m.

*Sure Klean® Custom Masonry Sealer is more appropriate.
 *Sure Klean® Weather Seal Siloxane PD is more appropriate.

Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.

Specifier's Note – Curing New Concrete: Blanket or water curing is recommended whenever possible. Dissipating curing agents are recommended. Avoid overapplication of the curing agent. For best performance, remove all other surface films and contaminants before application of Saltguard®.

Surface and Air Temperatures

If freezing conditions exist before application, let masonry thaw. Best air and masonry surface temperatures for use are between 40-90°F (4-32°C). On warm days, apply early in the day and to shaded areas.

Equipment

Apply using low-pressure spray, brush or roller. Sprayers must be fitted with solvent-resistant hoses and gaskets.

APPLICATION

Before use, read “Preparation” and “Safety Information.”

ALWAYS TEST to confirm compatibility and desired results. Test also to determine application (loading rate) and desired surface contact time. Test using the following application instructions. Let test panels dry thoroughly before evaluating final appearance and results. Variations in porosity and texture may lead to inconsistent appearance.

Dilution

Use in concentrate. Do not dilute or alter. Stir or mix well before use.

Vertical Application Instructions

Apply with low-pressure spray in a flooding application from the bottom up. Apply enough material for a rundown below the spray pattern. Brush out heavy runs and drips thoroughly so that the material completely penetrates the surface. Note: When using brushes or rollers, saturate the surface to the point of rejection.

Porous surfaces will require a “wet-on-wet” application. Let the first application penetrate for 5 to 10 minutes and then reapply. (Do not let any of the first application dry before making the second application.) Less material will be required on the second application.

Horizontal Application Instructions

Apply in a single, saturating application so that treated surfaces stay wet for a few minutes before penetrating. Broom out surface residues, pools and puddles until they completely penetrate the surface.

Protect treated surface from rain and pedestrian traffic for 4-6 hours following application. Saltguard® gains its water-repellency properties in 72 hours.

Cleanup

Clean tools and equipment immediately with mineral spirits.

Paint Adhesion

Surfaces treated with Saltguard® may be coated with most silicone emulsion and oil-based paints. Adhesion of some cementitious

coatings, plaster, stucco, etc., may be adversely affected. Install such surface treatments and let them thoroughly cure before Saltguard® applications. Always test to verify compatibility between Saltguard® and other proposed surface treatments.

SAFETY INFORMATION

Danger. Combustible liquid and vapor. Harmful or fatal if swallowed. Keep out of reach of children. Read full label for precautionary instructions before use.

Precautionary Measures

Contains: Odorless Mineral Spirits, Alkoxysilanes, Ethanol. May affect the brain or nervous system causing dizziness, headache or nausea. Causes eye and skin irritation. **Combustible liquid and vapor.** Keep away from heat, sparks and flame. Vapors may travel along the ground or by ventilation to remote ignition sources. 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. Use appropriate, spark-proof equipment during transfer and application. Do not cut, grind, weld, or drill on or near this container, even if empty. **Use only with adequate ventilation.** Do not breathe vapors or mist. Ensure fresh air entry 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 odors dissipate. Ethyl alcohol will evolve during curing of this product. If you experience eye-watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted, NIOSH-approved respirator. Wear a dust/mist respirator if mists are present. Avoid contact with eyes, skin and clothing. Wear safety glasses and gloves to prevent contact. Additional protection may be required depending on application methods. Wash thoroughly after handling. Refer to the MSDS for additional precautionary information.

First Aid

Ingestion: If swallowed, call a physician immediately.

ASPIRATION HAZARD: Do not induce vomiting or give anything by mouth. Only induce vomiting at the instructions of a physician. 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 with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get immediate medical attention.

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

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.

Spills: Eliminate sources of ignition. Follow all label precautions. Keep product from soil, sewer systems and 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. Do not reuse container or remove 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 upright in a cool, dry, shady place with adequate ventilation. Keep away from heat and open flames. Keep tightly closed when not dispensing. Do not use pressure to empty. Do not alter or dilute the product except as specified. Do not use for any other purpose. Always protect passersby, building occupants and non-masonry surfaces.

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 Consolideck® representative in your area.

*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 9%.