

DESCRIPTION AND USE

Sure Klean® Restoration Cleaner is a concentrated compound formulated as a “carbon solubilizer.” Used properly, it cleans brick, granite, sandstone, terra cotta, many exposed aggregate surfaces and other masonry except limestone, marble or concrete. This product has been safely and effectively used to clean historic structures throughout the United States and Canada. Restoration Cleaner, when properly used, is safer and less expensive than sandblasting or steam cleaning. Application to masonry surfaces loosens and dissolves dirt, paint oxidation, carbon buildup and other atmospheric pollutants. A simple cold-water rinse removes unsightly stains.

ADVANTAGES

- Proven effective for cleaning dirty and heavily carboned buildings.
- Safer than sandblasting. Will not pit or damage the masonry when properly applied.

Limitations

- Not suitable for cleaning of limestone, concrete or marble surfaces. See Sure Klean® Limestone Restorer or Sure Klean® 766 Limestone & Masonry Prewash literature for these applications.

- Not recommended for interior use. Contact PROSOCO’s Customer Care (800-255-4255) for recommendations for the most appropriate Sure Klean® interior cleaning system.
- May etch window glass.

TYPICAL TECHNICAL DATA

FORM: Clear liquid
 SPECIFIC GRAVITY: 1.050
 TOTAL SOLIDS: NA
 pH: 2.2 @ 1:3 dilution
 WT./GAL.: 8.75 lbs.
 FLASH POINT: NA
 FREEZE POINT: ND

PREPARATION

Protect people, vehicles, property, plants, metal, and all nonmasonry and acid-sensitive surfaces from contact with cleaner, rinse residue, fumes and wind drift. Protect/divert auto and foot traffic. Clean when traffic is at a minimum.

Restoration Cleaner is corrosive, etches glass and architectural aluminum and is harmful to wood, painted surfaces and foliage.

Clean masonry before installing windows, doors, finished flooring, metal fixtures, hardware, light fixtures, roofing materials and other nonmasonry items. If already installed, protect with Sure Klean® Strippable Masking or polyethylene before application. Maintain sufficient ventilation to avoid buildup of potentially damaging fumes. All caulking and sealant materials should be in place and thoroughly cured before cleaning.

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. Fumes attack glass, metal and all other acid-sensitive surfaces.

Inspect glazed terra cotta and tile carefully. Where glaze has been partially weathered away or etched, cleaning may cause additional loss of glaze.

Surface and Air Temperatures

Cleaning when temperatures are below freezing or will be overnight may harm masonry. Best cleaning temperatures are 40°F (4°C) or above for air and masonry. If freezing conditions have existed, let the masonry thaw before cleaning.

APPLICATION

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

ALWAYS TEST (minimum 4 ft. x 4 ft. (1.2 m x 1.2 m) area) each type of surface and stain for dilution and compatibility before

**Restoration Cleaner is recommended for these substrates.
 Always test. Coverage is in sq.ft./m. per gallon of concentrate.**

Substrate	Type	Use?	Coverage
Architectural Concrete Block	Burnished	no	NA
	Smooth	no	
	Split-faced	no	
	Ribbed	no	
Concrete	Brick	no	NA
	Tile	no	
	Precast Panels	no	
	Pavers	no	
	Cast-in-place	no	
Fired Clay	Brick	yes	125-400 sq.ft. 12-37 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	NA
	Unpolished	no	NA
Granite	Polished	no	NA
	Unpolished	yes	200-500 sq.ft. 19-47 sq.m.
Sandstone	Unpolished	yes	125-400 sq.ft. 12-37 sq.m.
Slate	Unpolished	yes	200-500 sq.ft. 19-47 sq.m.

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

beginning full-scale cleaning operations. Test using the following application procedures. Also test pressure-rinsing on older masonry. Let test area dry 3-7 days before evaluating.

Dilution

Porous masonry: Use concentrate during initial testing. If concentrate cleans effectively, run tests with diluted solutions of up to three parts water to one part concentrate. Use the mildest effective solution based on test results.

Nonporous masonry (glazed brick & terra cotta): Dilute with one to three parts water to one part product concentrate, depending on test results. Sure Klean® Restoration Cleaner is an acidic product and may etch polished and glazed surfaces. Etching can be controlled by dilution.

Always pour water into empty bucket first, then carefully add concentrate. Handle in polypropylene or polyethylene buckets only. Acidic liquids and fumes attack metal.

Application Instructions

1. After protecting all nonmasonry surfaces, thoroughly prewet the area to be cleaned with fresh water.
2. Apply the cleaning solution liberally using low pressure spray (50 psi), roller or densely filled (tampico) masonry washing brush.
3. Leave the cleaning solution on the surface for 3-5 minutes. Reapply. Light scrubbing improves cleaning results especially if high-pressure rinsing equipment isn't available. Keep people away from treated surfaces. Caution: Don't let the cleaning solution "dry in" to the masonry – bleaching may occur.
4. Water rinse with low-pressure, flood rinse to remove initial acidic residue with minimum risk of wind drift. Then rinse the treated area thoroughly with high-pressure spray. Rinse from the bottom to the top. Flush each section of the surface with a concentrated stream of water. Keep the wall below wet and rinsed free of cleaner and residues to avoid streaks.

Note: Thorough rinse is important to get all surface staining matters and cleaning residues off the treated surface. Pressure rinsing equipment with 600-1000 psi and 15-30 degrees fan tip is most effective. Older, more delicate masonry may require restricting water pressure to avoid damage.

DO NOT APPLY RESTORATION CLEANER WITH HIGH PRESSURE SPRAY. This drives the chemicals deep into the surface, making rinse difficult. Discoloration may result.

On severely stained horizontal surfaces, under window sills, eaves, etc., "pretreating" with Sure Klean® 766 Limestone & Masonry Prewash may prove effective. Read and follow product procedures and recommendations. Pressure rinse, then "afterwash" with Sure Klean® Restoration Cleaner followed by water rinse.

A "breathable" water repellent makes the cleaned surface less likely to stain and keeps the surface clean longer. It also makes future cleaning operations faster and easier. For more information about water repellents for masonry, contact PROSOCO's Customer Care (800-255-4255) regarding Sure Klean® Weather Seal products.

Clean Up

Clean tools and equipment using fresh water.

SAFETY INFORMATION

Danger. Poison. Causes severe burns that may not be immediately painful or visible. Exposures may be fatal. For use by professional applicators only. Keep out of the reach of children.

Precautionary Measures

Contains: Hydrofluoric acid, ethylene glycol, phosphoric acid, nonionic surfactant. **Burns may not be immediately painful or evident and require immediate, specialized treatment.** Concentrate exposures to large skin areas, ingestion, and respiratory exposures may be fatal. Onset of burn symptoms may be delayed as much as 24 hours. Do not get in eyes, on skin, or clothing. Avoid breathing fumes and contact with mucous membranes. Keep container and dilution vessels tightly closed when not dispensing product.

Use only with adequate ventilation. Do not breathe vapors or mist. Contact with metals in poorly ventilated areas can create potentially flammable or explosive hydrogen gas. If you notice irritating odor or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted, NIOSH-approved respirator during handling and application. Wear splash goggles or a face shield, protective clothing, gloves and shoes to prevent splash to eyes and skin. Wash thoroughly after handling. Refer to the MSDS and label for additional precautionary information.

First Aid

Ingestion: If conscious, give large amounts of milk or water and call a physician, emergency room or poison control center immediately. Do not induce vomiting.

Eye Contact: Rinse eyes and under lids thoroughly for 15 minutes. Get immediate medical assistance.

Skin Contact: Remove contaminated clothing and rinse thoroughly for 15 minutes. Immerse exposed area in 0.13% Zephiran Chloride or apply 2.5% Calcium Gluconate gel if available. Get medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

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

Storage and Handling: Must be stored and transported upright with lid tightly in place. Store away from other chemicals, heat and open flames in cool, dry place with adequate ventilation. Do not use pressure to empty or use as a dilution or mixing vessel. Do not reuse or remove the label. Use only well maintained staging and scaffolding that is equipped with steel cable. Use polypropylene ropes and safety lines. Dilution and application equipment should be of polypropylene or polyethylene construction. Do not atomize during application. **If spilled,** follow all precautionary instructions. Keep from drains and soil. Contain, dilute with water,

and neutralize with baking soda or lime. Dispose of contaminated absorbent, container and product in accordance with local, state and federal regulations.

Do not alter, mix with chlorine-type bleaches or other chemicals, or dilute product or use for applications other than specified.

Container Disposal: Hazardous when empty. Follow all precautionary instructions. Triple rinse with water and dispose of in a sanitary landfill (check local restrictions).

Shelf life is 3 years from the date of manufacture in tightly sealed, unopened container.

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® representative in your area.