



Restoration Cleaner

carbon & pollution remover

OVERVIEW

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.

SPECIFICATIONS

For all PROSOCO product specifications visit www.prosoco.com and click on “SpecBuilder” or “Solution Finder.”

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.

REGULATORY COMPLIANCE

VOC Compliance

Sure Klean® Restoration Cleaner is compliant with all national, state and district regulations.

TYPICAL TECHNICAL DATA

FORM	Clear liquid
SPECIFIC GRAVITY	1.050
pH	2.2 @ 1:3 dilution
WT/GAL	8.75 lbs
ACTIVE CONTENT	Not applicable
TOTAL SOLIDS	Not applicable
VOC CONTENT	Not applicable
FLASH POINT	Not applicable
FREEZE POINT	No data
SHELF LIFE	3 years in tightly sealed, unopened container

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PREPARATION

Protect people, vehicles, property, plants, metal, and all non masonry 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. Inspect glazed terra cotta and tile carefully. Where glaze has been partially weathered away or etched, cleaning may cause additional loss of glaze.

Clean masonry before installing windows, doors, finished flooring, metal fixtures, hardware, light fixtures, roofing materials and other non masonry items. If already installed, protect with Sure

Klean® Strippable Masking or polyethylene before application. All caulking and sealant materials should be in place and thoroughly cured before cleaning.

Maintain sufficient ventilation to avoid buildup of potentially damaging fumes. 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.

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.

Equipment

Apply using low pressure spray (50 psi maximum), roller or densely filled (tampico) masonry washing brush. Do not apply with high pressure spray. This drives the chemicals deep into the surface, making rinse difficult. Discoloration may result.

Rinse with enough water and pressure to flush spent cleaner and dissolved soiling from the masonry surface and surface pores without damage. Inadequate rinsing leaves residues which may stain the cleaned surface.

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.

Masonry-washing equipment generating 400–1000 psi with a water flow rate of 6–8 gallons per minute is the best water/pressure combination for rinsing porous masonry. Use a 15–45° fan spray tip. Heated water (150–180°F; 65–82°C) may improve cleaning efficiency. Use adjustable equipment for reducing water flow-rates and rinsing pressure as needed for sensitive surfaces.

Rinsing pressures greater than 1000 psi and fan spray tips smaller than 15° may permanently damage sensitive masonry. Water flow-rates less than 6 gallons per minute may reduce cleaning productivity and contribute to uneven cleaning results.

Storage and Handling

Store in a cool, dry place with adequate ventilation. 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 of concentrate.			
Substrate	Type	Use?	Coverage
Architectural Concrete Block	Burnished	no	N/A
	Smooth	no	
	Split-faced	no	
	Ribbed	no	
Concrete	Brick	no	N/A
	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	N/A
	Unpolished	no	N/A
Granite	Polished	no	N/A
	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.

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APPLICATION

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

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

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

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.

Application Instructions

1. After protecting all non masonry surfaces, thoroughly prewet the area to be cleaned with fresh water, working from the bottom to the top.
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. Do not 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.

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.

Cleanup

Clean tools and equipment using fresh water.

Maintenance

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.

BEST PRACTICES

Restoration Cleaner is corrosive, etches glass and architectural aluminum and is harmful to wood, painted surfaces and foliage. Inspect glazed terra cotta and tile carefully. Where glaze has been partially weathered away or etched, cleaning may cause additional loss of glaze.

On severely stained horizontal surfaces, under window sills, eaves, etc., "x" with Sure Klean® 766 Limestone & Masonry Prewash may prove effective. Read and follow product procedures and recommendations.

When diluting, always pour water into empty bucket first, then carefully add product concentrate. Use the mildest effective solution based on test results.

Apply using low pressure spray, 50 psi maximum. Do not apply with high pressure spray. This drives the chemicals deep into the surface, making rinse difficult. Discoloration may result.

A "breathable" water repellent makes the cleaned surface less likely to stain and keeps the surface clean longer. For more information about water repellents for masonry, contact PROSOCO's Customer Care at 800-255-4255.

Never go it alone. For 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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SAFETY INFORMATION

Sure Klean® Restoration Cleaner is a concentrated, acidic cleaner designed and labeled for professional use. This product may damage glass and a variety of common construction materials and has safety issues common to corrosive materials. Use appropriate safety equipment and job site controls during handling and application. Read the full label and MSDS for precautionary instructions before use.

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% Zepharin 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

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.