



Heavy Duty Restoration Cleaner

concentrated carbon & pollution remover

OVERVIEW

Sure Klean® Heavy Duty Restoration Cleaner is a concentrated acidic cleaning compound for the removal of heavy atmospheric staining from unpolished masonry. Used properly, Heavy Duty Restoration Cleaner dissolves heavy carbon and many other stains commonly found on masonry buildings in highly polluted areas. Dilute with water to produce a cost-effective, general-purpose restoration cleaner for brick, granite, sandstone, slate, terra cotta and many other masonry surfaces.

SPECIFICATIONS

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

ADVANTAGES

- Cost-effective concentrate reduces shipping, storage and container disposal costs.
- Proven effective for cleaning the dirtiest buildings.
- Safer than sandblasting. Will not damage masonry when properly used.

Limitations

- Repeated application, or use when diluted with less than three parts fresh water, may damage some masonry surfaces. Use Sure Klean® Light Duty Restoration Cleaner or Sure Klean® Restoration Cleaner where possible.
- Not for interior use. Use Sure Klean® Light Duty Restoration Cleaner.
- Not suitable for polished stone surfaces. Use Sure Klean® Light Duty Restoration Cleaner.

REGULATORY COMPLIANCE

VOC Compliance

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

TYPICAL TECHNICAL DATA

FORM	Clear liquid
SPECIFIC GRAVITY	1.132
pH	2.2 @ 1:3 dilution
WT/GAL	9.42 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 and all non masonry surfaces from cleaner, rinse, fumes, and wind drift. Protect and/or divert auto and pedestrian traffic. This product is corrosive, etches glass and architectural aluminum and is harmful to wood, painted surfaces and foliage.

Complete cleaning before installing windows, doors, hardware, light fixtures, roofing materials and any other non masonry items. If such fixtures have been installed, protect before application of cleaner. All caulking and sealant materials should be in place and thoroughly cured before cleaning begins.

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 results are obtained when air and masonry surface temperatures are 40°F (4°C) or above. If freezing conditions exist prior to application, let masonry thaw.

Equipment

Apply using an acid-resistant brush or low-pressure airless spray equipment with a maximum 50 psi. Equipment should be fitted with acid-resistant

hoses and gaskets to avoid discoloration. Pressure spray above 50 psi drives the chemicals deep into the surface, making it difficult to rinse completely, and may result in staining.

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.

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

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.

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.

APPLICATION

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

ALWAYS TEST each type of surface and stain before overall application to ensure suitability and desired results. Test using the following application procedures. Let test area dry thoroughly before inspection and approval.

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. 28–47 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	100–175 sq.ft. 9–16 sq.m.
Sandstone	Unpolished	yes	100–175 sq.ft. 9–16 sq.m.
Slate	Unpolished	yes	100–175 sq.ft. 9–16 sq.m.
Repeated applications may damage some surfaces. Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.			

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Dilution

Heavy Duty Restoration Cleaner must be diluted with fresh water before application. Failure to dilute may result in bleaching of the masonry's natural color. When diluting, always pour cold water into bucket first, then carefully add product. Acidic materials will attack metal. Use polyethylene or polypropylene buckets only.

- *Porous Masonry:* dilute one part concentrate to 3 parts water, depending on test results.
- *Nonporous masonry* (glazed brick, terra cotta): dilute one part concentrate to 4 to 6 parts water, depending on test results.

Application Instructions

1. Working from the bottom to the top, prewet the surface with clean water.
2. Apply the cleaner using a brush or low-pressure spray.
3. Let the cleaning solution stay on the surface for 3 to 5 minutes. Reapply. Gently scrub heavily soiled areas. Do not let cleaner dry on the surface. If drying occurs, lightly wet treated surfaces with fresh water and reapply in a gentle scrubbing manner.
4. Rinse with low-pressure flood rinse to remove initial acidic residue with minimum risk of wind drift.
5. Rinse thoroughly using high-pressure spray, from the bottom of the treated area to the top covering each section of the surface with a concentrated stream of water. *NOTE:* To avoid streaking, keep wall below wet and rinsed free of cleaner and residues.

Cleanup

Clean tools and equipment using fresh water.

SAFETY INFORMATION

Sure Klean® Heavy Duty 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 application and handling. 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

BEST PRACTICES

Apply using an acid-resistant brush or low-pressure airless spray equipment fitted with acid-resistant hoses and gaskets to avoid discoloration.

Do not use spray equipment above 50 psi. Pressure spray above 50 psi drives the chemicals deep into the surface, making it difficult to rinse completely, and may result in staining.

Heavy Duty Restoration Cleaner must be diluted with fresh water before application. Failure to dilute may result in bleaching of the masonry's natural color. When diluting, always pour cold water into bucket first, then carefully add product. Acidic materials will attack metal. Use polyethylene or polypropylene buckets only.

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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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.