

DESCRIPTION AND USE

Sure Klean® Limestone Restorer is a concentrated acidic cleaner for unpolished limestone, concrete and cast stone surfaces. Safely removes atmospheric dirt, mildew and many other surface stains without risk of bleaching or discoloration. Ideal for lightly to moderately soiled surfaces. Limestone Restorer is safer and easier to use than conventional acidic or abrasive cleaning systems. Contains no hydrofluoric acid. Use in combination with pressure water rinsing.

ADVANTAGES

- Easy-to-use, one step cleaner.
- Water rinsable - No substrate neutralization required.
- When properly used, safer for surfaces than conventional cleaning systems.
- Will not damage window glass.

Limitations

- Not for use on polished granite limestone, marble or travertine.

- May etch smooth, acid-sensitive surfaces.
- Not for removal of heavy carbon staining. Use Sure Klean® 766 Limestone & Masonry Prewash.

TYPICAL TECHNICAL DATA

FORM: Clear liquid, light amber color
 SPECIFIC GRAVITY: 1.14
 TOTAL SOLIDS: NA
 pH: 0.18 @ 1:6 dilution
 WT/GAL: 9.47 lbs.
 FLASH POINT: NA
 FREEZE POINT: < -22°F (< -30°C)
 SHELF LIFE: 3 years in tightly sealed, unopened container

PREPARATION

Protect people, vehicles, property, plants, and all nonmasonry and acid-sensitive surfaces from cleaner, rinse, residue, fumes and wind drift. Protect and/or divert auto and pedestrian traffic. Finish cleaning before installing windows, doors, hardware, light fixtures, roofing materials and other nonmasonry items. If already installed, protect before cleaning. Caulking and sealant materials should be in place and thoroughly cured before cleaning begins.

Surface and Air Temperatures

Cleaning when temperatures are below freezing or will be overnight may harm masonry. If freezing conditions have existed, let masonry thaw before cleaning.

Equipment

Apply using a densely-filled masonry washing (tampico) brush, roller or low pressure (50 psi maximum) spray. Do not apply with high pressure spray equipment. This drives the cleaner deep into the surface, making complete 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.

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.

Limestone Restorer 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	yes	100-300 sq.ft. 9-28 sq.m.
	Smooth	yes	
	Split-faced	yes	
	Ribbed	yes	
Concrete*	Brick	yes	100-300 sq.ft. 9-28 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay*	Brick	no	NA
	Tile	no	
	Terra Cotta	no	
	Pavers	no	
Marble, Travertine, Limestone*	Polished	no	NA
	Unpolished	yes	100-250 sq.ft. 9-23 sq.m.
Granite*	Polished	no	NA
	Unpolished	no	NA
Sandstone*	Unpolished	no	NA
GFRC	Smooth	no	NA
Slate*	Unpolished	no	NA

*Repeated applications may result in surface etching.

*Sure Klean® Restoration Cleaner or Light Duty Restoration Cleaner may be a more appropriate product. Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.

APPLICATION

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

ALWAYS TEST each type of surface and each type of stain for suitability, dilution and desired results before overall application. Test using the following application instructions. Let the surface dry thoroughly before inspection.

Dilution

Dilute with a minimum two parts and up to six parts water to one part concentrate. Test panels should determine effectiveness of the cleaning solution and proper dilution ratio.

When diluting, pour cold water into empty polypropylene or polyethylene bucket, then carefully add cleaner. Acidic liquids and fumes attack metal.

Application Instructions

1. Working from bottom to the top, prewet the surface with clean water.
2. Apply the diluted cleaner liberally to the masonry surface using low pressure spray (50 psi max), roller or brush.
3. Let the cleaning solution dwell 3-5 minutes. Reapply. Light agitation improves cleaning results.
4. Working from bottom to the top, rinse the treated area thoroughly. If pressure water equipment is not available, use a garden hose with nozzle adjusted to a tight stream.

Cleanup

Clean tools and equipment using fresh water.

SAFETY INFORMATION

Danger. Poison. Causes severe burns. May be fatal if swallowed. Harmful if inhaled. Keep out of the reach of children. Read full label for precautionary instructions before use.

Precautionary Measures

Contains Hydrochloric and hydroxyacetic acid. Do not get in eyes, on skin, or clothing. Avoid breathing fumes and contact with mucous membranes. Keep container tightly closed when not dispensing product. **Use only with adequate ventilation.** Do not breathe vapors or mist. Ensure fresh air entry during application. 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. 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 thoroughly for 15 minutes. Get immediate medical assistance.

Skin Contact: Remove contaminated clothing and rinse thoroughly for 15 minutes. 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. This product will attack nylon, cotton and hemp roping. Use polypropylene ropes and safety lines. Dilution and application equipment should be of polypropylene or polyethylene construction.

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).

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.