



Sure Klean®

CLEANING & PROTECTIVE TREATMENTS

Limestone Restorer

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.
- On fired clay brick and pavers that are prone to metallic staining, Sure Klean® Restoration Cleaner or Light Duty Restoration Cleaner may be more suitable.
- Not for removal of heavy carbon staining. Use Sure Klean® 766 Limestone & Masonry Prewash.

REGULATORY COMPLIANCE

VOC Compliance

Sure Klean® Limestone Restorer is compliant with all national, state and district VOC regulations.

TYPICAL TECHNICAL DATA

FORM	Clear, slight amber liquid
SPECIFIC GRAVITY	1.14
pH	0.18 @ 1:6 dilution
WT/GAL	9.47 lbs
ACTIVE CONTENT	not applicable
TOTAL SOLIDS	not applicable
VOC CONTENT	not applicable
FLASH POINT	not applicable
FREEZE POINT	<-22° F (<-30° C)
SHELF LIFE	3 years in tightly sealed, unopened container

SAFETY INFORMATION

Always read full label and SDS for precautionary instructions before use. Use appropriate safety equipment and job site controls during application and handling.

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

Product Data Sheet

Sure Klean® Limestone Restorer

PREPARATION

Protect people, vehicles, property, plants, and all non masonry 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 non masonry items. If already installed, protect before cleaning. Caulking and sealant materials should be in place and thoroughly cured before cleaning begins.

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	
	Smooth	yes	300–700 sq.ft.
	Split-faced	yes	28–65 sq.m.
	Ribbed	yes	
Concrete♦	Brick	yes	
	Tile	yes	300–700 sq.ft.
	Precast Panels	yes	28–65 sq.m.
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay	Brick†	yes	
	Tile	no	300–700 sq.ft.
	Terra Cotta (unglazed)	no	28–65 sq.m.
	Pavers†	yes	
Marble, Travertine, Limestone♦	Polished	no	N/A
	Unpolished	yes	100–250 sq.ft. 9–23 sq.m.
Granite†	Polished	no	N/A
	Unpolished	yes	300–400 sq.ft. 28–37 sq.m.
Sandstone†	Unpolished	yes	100–250 sq.ft. 9–23 sq.m.
GFRC	Smooth	yes	150–500 sq.ft. 14–47 sq.m.
Slate†	Unpolished	yes	300–400 sq.ft. 28–37 sq.m.

♦Repeated applications may etch surfaces.
 *For colored block, Sure Klean® Custom Masonry Cleaner may be more appropriate.
 †Sure Klean® Light Duty Concrete Cleaner is a more suitable product.
 ‡Sure Klean® Restoration Cleaner or Light Duty Restoration Cleaner may be more appropriate.
Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.

Surface and Air Temperatures

Best air and masonry surface temperatures for cleaning are 40° F (4° C) or above. 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 max) 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.

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

Read “Preparation” and the Safety Data Sheet before use.

ALWAYS TEST a small area of each surface to confirm suitability and desired results before beginning overall application. Test each type of masonry and each type of stain. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let test

Product Data Sheet

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area dry 3–7 days before inspection and approval. Make the test panel available for comparison throughout the cleaning project.

Dilution

Dilute with a minimum 2 parts and up to 6 parts water to 1 part Limestone Restorer concentrate. Conduct test panels to determine the mildest dilution ratio which produces the most effective cleaning solution. ALWAYS TEST the final dilution rate producing the desired level of cleanliness.

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

Application Instructions

On some surfaces, repeated applications may etch surfaces. Always use the mildest cleaning solution possible. Always test before overall application.

1. Working from bottom to the top, prewet the surface with clean water.
2. Apply the diluted cleaner liberally to the masonry surface.
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.

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 PROSOCO representative in your area.

BEST PRACTICES

Not for use on polished granite, limestone, marble or travertine. May etch smooth, acid-sensitive surfaces. Not for removal of heavy carbon staining.

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

Test panels should determine effectiveness of the cleaning solution and proper dilution ratio. Dilute

with a minimum two parts and up to six parts water to one part concentrate.

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.

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.