

DESCRIPTION AND USE

Sure Klean® 101 Lime Solvent is a concentrated acidic cleaner for dark-colored brick and tile surfaces which are not subject to metallic oxidation. Safely removes excess mortar and construction dirt.

ADVANTAGES

- Removes construction dirt and excess mortar with simple cold water rinse.
- Safer than muriatic acid on colored mortar and dark-colored new masonry surfaces.
- Proven effective since 1954.

Limitations

- Not generally effective in removal of atmospheric stains and black carbon found on older masonry surfaces. Use the appropriate Sure Klean® restoration cleaner to remove atmospheric staining from older masonry surfaces.
- Not for use on polished natural stone.

TYPICAL TECHNICAL DATA

FORM: Clear, slightly pale amber solution with a pungent odor
 SPECIFIC GRAVITY: 1.12
 pH: 0.50 @ 1:6 dilution
 WT/GAL: 9.39 lbs.
 ACTIVE CONTENT: NA
 TOTAL SOLIDS: NA
 FLASH POINT: NA
 FREEZE POINT: < -22°F (< -30°C)
 SHELF LIFE: 3 years in tightly sealed, unopened container

PREPARATION

Protect people, vehicles, property, metal, painted surfaces, plants and other nonmasonry materials from product, splash, rinse, wind drift and fumes. When working over traffic, clean when traffic is at a minimum. Protect or divert traffic if necessary.

Vapors and liquid can damage a variety of metals and fabrics. Clean masonry before installing windows, doors, finished flooring, metal fixtures, hardware, light fixtures, roofing materials and other nonmasonry items that the cleaner could harm. If already installed, protect with polyethylene before application. Sure Klean® Strippable Masking is appropriate for use with this product to protect windows. Maintain ventilation to avoid buildup of potentially damaging fumes. All caulking and sealant materials should be in place and thoroughly cured before cleaning.

New brick and tile surfaces clean most effectively if the cleaning is done within 14-28 days of installation. Mortar and grout smears left on the surface longer result in a more difficult clean down and may cause undesirable results. Cleaning high-strength mortar/grout within seven days improves results.

NOTE: Excessive moisture in the wall contributes to efflorescence and other staining. Always protect open wall cavities from rain during construction.

Surface and Air Temperatures

Best air and masonry 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 exist before application, let masonry thaw first.

Equipment

Use acid-resistant rigging and safety equipment. Apply with low-pressure spray (50 psi max) or densely-packed, soft-fibred masonry washing brush. Do not atomize. Do not apply with pressure spray above 50 psi. This drives the chemicals deep into the surface, making complete rinse difficult. Test spray equipment for compatibility and to avoid discoloration. Transport and store in a cool, dry place.

101 Lime Solvent

101 Lime Solvent 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	500-900 sq.ft. 46-84 sq.m.
	Smooth	yes	
	Split-faced	yes	
	Ribbed	yes	
Concrete♦	Brick	yes	500-900 sq.ft. 46-84 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay	Brick	yes	500-900 sq.ft. 46-84 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	NA
	Unpolished	no	NA
Granite	Polished	no	NA
	Unpolished	yes	700-900 sq.ft. 65-84 sq.m.
Sandstone	Unpolished	yes	500-900 sq.ft. 46-84 sq.m.
Slate	Unpolished	yes	700-900 sq.ft. 65-84 sq.m.

♦Repeated applications may damage surfaces. Sure Klean® Custom Masonry Cleaner is a more appropriate product.
 *Sure Klean® Burnished Custom Masonry Cleaner is a more appropriate product.
 Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.

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. Vapors and liquid can damage a variety of metals and fabrics. Always seal container after dispensing. Do not alter or mix with other chemicals. Published shelf life assumes upright storage of factory-sealed container in a dry place. Maintain temperatures 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 (minimum 4-ft by 4-ft area) for suitability and results before overall application. Test each type of masonry and each type of stain. Let test area dry 3-7 days before inspection. Test using the following application instructions. Keep the test panel available for comparison throughout the cleaning project.

Dilution

Do not alter or mix with chlorine-type bleaches or other chemicals (may release toxic gases). Do not dilute product except as specified on label. Do not use for applications other than specified. Handle in polypropylene buckets only. No metal buckets or sprayers. Acidic materials and fumes attack metal.

Dilute one part product with between 4 and 8 parts clean water, based on test results. Always pour COLD water into empty bucket first, then carefully add product. Never use hot water. More porous masonry and high-strength mortar/grout will require stronger solutions. Clean glazed surfaces with the mildest solution possible to avoid harm. Always test to the final dilution that cleans best.

Application Instructions

Exterior Application

Test thoroughly before cleaning. Provide adequate ventilation. Caution: Multiple applications may affect the mortar color.

1. Working from the bottom to the top, prewet a large area with fresh water.

2. Using a densely-packed, soft-fibered masonry washing brush, or low-pressure spray (50 psi maximum), apply the diluted solution freely from the bottom of the work area up.
3. Let cleaning solution stay on the wall for 1 - 3 minutes. Do not let cleaner dry into the masonry. This may leave residue and stains. Fresh-water rinse the surfaces below areas being cleaned to prevent streaking.
4. Immediately reapply cleaning solution and scrape off heavy buildup of excess mortar using a wooden scraper or piece of brick. Take care not to harm the masonry surface.
5. Working from the bottom of the work area to the top, rinse thoroughly with fresh water, removing all cleaning compound, free sand, loose material and debris.
6. Reapply as required following steps 1 through 5.

Interior Application

Proper ventilation is necessary. Test thoroughly. Follow preceding preparation and cleaning procedures for exteriors. Rinse thoroughly with fresh water using a sponge or soft-fibered brush. If there isn't enough water for complete rinsing, use neutralizing rinse following this procedure:

1. Rinse with clear water.
2. Apply neutralizing rinse of 2 ounces baking soda to 1 gallon water.
3. Saturate. Leave solution on surface 3-5 minutes.
4. Apply final rinse of clear water.

Cleanup

Clean tools and equipment using fresh water.

Metallic Discoloration

Certain types of light or dark-colored brick and structural tile surfaces may be subject to metallic discolorations. If discolorations are apparent in the stone or brick areas before or after testing, test Sure Klean® Vana Trol® on the masonry surface. Follow the procedures and dilutions on the Vana Trol® label and Product Data Sheet.

SAFETY INFORMATION

Sure Klean® 101 Lime Solvent is a concentrated, acidic cleaner. This product may damage a variety of common construction materials and has safety issues common to corrosive materials. Use appropriate ventilation, safety equipment and job site controls during application and handling. Read the full label and MSDS for precautionary instructions before use.

First Aid

Ingestion: Contact a physician immediately.

Eye Contact: Rinse for 15 minutes. Get medical attention.

Skin Contact: Rinse thoroughly for 15 minutes. Seek medical attention as needed.

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.

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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.