



Sure Klean®

CLEANING & PROTECTIVE TREATMENTS

101 Lime Solvent®

Sure Klean® 101 Lime Solvent® is an 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.
- Removes efflorescence from new brick and new stone construction.
- Safer than muriatic acid on colored mortar and dark-colored new masonry surfaces.
- Proven effective since 1954.
- Supplied in concentrate for easy on-site dilution.

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.
- May damage treated low-E glass; acrylic and polycarbonate sheet glazing; and glazing with surface-applied reflective, metallic or other synthetic coatings and films. Always test for adverse effects prior to overall application. If testing is not feasible or indicates adverse effects, such substrates must be protected.

REGULATORY COMPLIANCE

VOC Compliance

Sure Klean® 101 Lime Solvent® is compliant with all national, state and district VOC regulations.

TYPICAL TECHNICAL DATA

FORM	Clear, brown liquid Pungent odor
SPECIFIC GRAVITY	1.12
pH	0.33 @ 1:4 dilution 0.55 @ 1:8 dilution
WT/GAL	9.39 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® 101 Lime Solvent®

PREPARATION

Clean masonry before installing non-masonry materials such as windows, doors, finished flooring, metal fixtures, hardware, light fixtures, roofing materials, etc. that the cleaner could harm. If cleaning is to be completed after installation of non-masonry materials not intended for treatment or exposure to 101 Lime Solvent®, test all substrates not intended to be treated with 101 Lime Solvent® before full scale application. If testing is not feasible or indicates adverse effects, protect substrates from product splash, rinse, wind drift and fumes with Sure Klean® Strippable Masking or polyethylene prior to application.

All caulking and sealant materials should be in place and thoroughly cured before cleaning.

When applying to the exteriors of occupied buildings, make sure all windows, exterior

intake and air conditioning vents are covered and air handling equipment is shut down during application.

Construction soiling and mortar residues on 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.

The presence of excessive moisture in the wall contributes to efflorescence and other staining. Always protect open wall cavities from rain during construction.

When working over traffic, clean when traffic is at a minimum. Protect or divert traffic if necessary.

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

Apply with low-pressure (50 psi max) spray or densely-packed, soft-fibered 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.

Use acid-resistant rigging and safety equipment. Test spray equipment for compatibility and to avoid discoloration.

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.

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	500–900 sq.ft.
	Split-faced	yes	46–84 sq.m.
	Ribbed	yes	
Concrete♦	Brick	yes	
	Tile	yes	500–900 sq.ft.
	Precast Panels	yes	46–84 sq.m.
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay	Brick	yes	
	Tile	yes	500–900 sq.ft.
	Terra Cotta (unglazed)	yes	46–84 sq.m.
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	N/A
	Unpolished	no	N/A
Granite	Polished	no	N/A
	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® Light Duty Concrete Cleaner is a more appropriate product.

Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.



Product Data Sheet

Sure Klean® 101 Lime Solvent®

Storage and Handling

Transport and 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

Read “Preparation” and the Safety Data Sheet before use. **ALWAYS TEST** a small area (minimum 4-ft x 4-ft) 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 area dry 3–7 days before inspection and approval. Make the test panel available for comparison throughout the cleaning project.

Dilution

Dilute 101 Lime Solvent® with 4–8 parts clean water to one part concentrate, based on test results. Always pour cold water into empty bucket first, then carefully add product. Never use hot water.

Always test to the final dilution that cleans best. More porous masonry and high-strength mortar/grout will require stronger solutions. Clean glazed surfaces with the mildest solution possible to avoid harm.

Do not alter or mix with chlorine-type bleaches or other chemicals (may release toxic gases).

Handle in high-density polyethylene or polypropylene containers only. No metal. Acidic materials and fumes attack metal.

BEST PRACTICES

Construction soiling and mortar residues on 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 7 days improves results.

The presence of excessive moisture in the wall contributes to efflorescence and other staining. Always protect open wall cavities from rain during construction.

Application Instructions

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

Exterior Surfaces

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

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.

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.

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 at 800-255-4255.

Product Data Sheet

Sure Klean® 101 Lime Solvent®

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.

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 website at prosoco.com, for the name of the PROSOCO representative in your area.

