

DESCRIPTION AND USE

Sure Klean® 600 Detergent is a general purpose, concentrated acidic cleaner for brick, tile and concrete surfaces. 600 Detergent dissolves mortar smears and construction dirt quickly, leaving the masonry clean and uniform with no acid burning or streaking.

ADVANTAGES

- The No. 1-selling proprietary cleaner for new masonry.
- Proven effective through years of use.
- Recommended by many brick, tile and mortar manufacturers.
- Safer than muriatic acid for new masonry surfaces.
- Fast and easy to apply – use with cold water rinse.
- Special wetting agents let larger masonry surfaces be cleaned at one time, eliminating streaking.

Limitations

- May not be suitable for cleaning buff-colored brick and brick, stone or tile with manganese or other metallic additives. See product literature on Sure Klean® Vana Trol®.

- Not suitable for cleaning polished or certain glazed surfaces. Always test to ensure suitability.
- Repeated applications may leave a detergent residue. Always prewet to reduce potential for detergent residue. Rinse thoroughly. Don't apply more than twice.
- Not effective for removing atmospheric dirt and black carbon stains. Use the appropriate Sure Klean® restoration cleaner to remove atmospheric staining from older masonry surfaces.

TYPICAL TECHNICAL DATA

FORM: Clear liquid with slight amber color
 SPECIFIC GRAVITY: 1.130
 TOTAL SOLIDS: N/A
 pH: 0.1 @ 1:9 dilution
 WT./GAL.: 9.4 lbs.
 FLASH POINT: N/A
 FREEZE POINT: < -22°F (< -30°C)

PREPARATION

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

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

New brick and tile surfaces clean most effectively 14 - 28 days after masonry 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. Presence of excessive moisture in the wall contributes to efflorescence and other staining. Always protect open wall cavities from rain during construction.

Surface and Air Temperatures

For best results, clean when air and masonry surface temperatures are 40°F (4°C) or above. To avoid harming masonry, don't clean when temperatures are below freezing or will be overnight. If freezing conditions existed before application, let the masonry thaw.

Equipment

Apply with low-pressure spray (50 psi max) or densely-packed, soft-fibered masonry-washing brush. Do not apply with pressure spray over 50 psi. This drives the chemicals deep into the surface,

600 Detergent

600 Detergent 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	300-400 sq.ft. 28-37 sq.m.
	Smooth	yes	
	Split-faced	yes	
	Ribbed	yes	
Concrete*	Brick	yes	600-1100 sq.ft. 56-102 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	600-1200 sq.ft. 56-111 sq.m.
Sandstone	Unpolished	yes	600-900 sq.ft. 56-84 sq.m.
Slate	Unpolished	yes	600-1100 sq.ft. 56-102 sq.m.

*Repeated applications may damage surfaces. Sure Klean® Custom Masonry Cleaner is a more appropriate product.

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

making complete rinse difficult. Test spray equipment for compatibility and to avoid discoloration.

Rinsing procedures must use sufficient water volume and rinsing pressure to flush cleaner and dissolved soiling from the masonry surface and surface pores without damage. Failure to adequately rinse will leave cleaning residues which may contribute to unsightly surface staining.

To clean porous masonry surfaces, the best combination of rinsing pressure and water volume is provided by masonry washing equipment generating 400-1000 psi with a water flow rate of 6-8 gallons per minute delivered through a 15-45 degree fan spray tip. Equipment should be adjustable to reduce water flow rate and rinsing pressure as required for controlled cleaning of more sensitive surfaces.

Rinsing pressures greater than 1000 psi and spray tips smaller than a 15 degree fan spray may cause permanent damage to sensitive masonry surfaces. Lower water flow rates will reduce cleaning productivity and may contribute to uneven cleaning results.

NOTE: To reduce potential for damage or injury caused by back splash or wind drift of active cleaning solution, water rinse with low pressure before flushing surface thoroughly with pressure rinsing equipment.

APPLICATION

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

ALWAYS TEST each type of surface and stain for suitability and results before overall application. Test a minimum 4 ft. by 4 ft. area on each type of masonry. Let the test panel dry 3 to 7 days before inspection. Use the following application instructions. Keep test panels available for comparison throughout the cleaning project. If test panel indicates metallic discoloration, or if stains are present before testing, refer to the “Metallic Discolorations” section.

Dilution

Dilute one part product with between four and 12 parts clean water, based on test results. Always pour COLD water into empty bucket first, then carefully add product. NEVER USE HOT WATER. Handle in polypropylene buckets only. Acidic materials and fumes attack metal. When calculating the volume of cleaner required for porous, textured surfaces, assume 50 square feet per gallon of prepared cleaner. For dense, smooth surfaces, assume up to 150 square feet per gallon of prepared cleaner. The coverage rate chart assumes an average coverage rate of 100 square feet per gallon of prepared cleaner.

Exterior Application

Test thoroughly before general cleaning.

1. Thoroughly 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 to the top.

3. Let cleaning solution stay on the wall for 3 to 5 minutes. Do not let cleaner dry into the masonry. This may leave residue or stains. Fresh water rinse the surfaces below areas being cleaned to prevent streaking.
4. Reapply cleaner 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 clean water, removing all cleaning compound, free sand, loose material and debris .
6. Reapply as needed following steps 1-5.

Caution: Multiple applications may lighten the mortar color.

Interior Application

Proper ventilation is necessary. Follow exterior application procedures. Use a sponge or soft-fibered brush to rinse thoroughly. If conditions don't allow enough water for complete rinsing, use a neutralizing rinse following this procedure:

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

Clean Up

Clean tools and equipment using fresh water.

Metallic Discolorations

Because of the metallic oxides contained in many colors of brick in use today, green and brown stains can form on the masonry surface. These stains occur when vanadium, manganese or other oxides migrate to the surface of the brick. Where significant levels of metallic oxides are present in the masonry, an improper dilution of 600 Detergent can contribute to staining.

If the brick shows metallic staining before or after testing, follow these additional steps:

If stains are light to moderate, test using 600 Detergent at a dilution rate of 8 parts water to 1 part concentrate. After rinsing, let brick weather 10 to 14 days. Minor stains will often disappear if allowed to weather.

If results are acceptable, clean using this dilution rate. When cleaning is done, let the wall weather. Spot treat minor stains that have not weathered with Sure Klean® stain removal products.

If severe stains are apparent before original testing or become a problem at any time during the testing, use Sure Klean® Vana Trol® instead of 600 Detergent. Vana Trol® is a cleaning compound formulated specifically to control metallic staining. Follow the procedures outlined in the Vana Trol® product literature. In some cases, Vana Trol® will remove vanadium staining. If test panels do not prove effective, test using Sure Klean® 800 Stain Remover and/or Sure Klean® Ferrous Stain Remover.

SAFETY INFORMATION

Danger. Poison. Causes severe burns. May be fatal if swallowed. Harmful if inhaled. For use by professional applicators only. Keep out of the reach of children. Read precautionary measures carefully.

Precautionary Measures

Contains: Hydrochloric 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. Always protect passersby, building occupants, plantings and nonmasonry surfaces from product, vapors and wind drift.

Container Disposal: Hazardous when empty. Follow all precautionary instructions. Triple-rinse with water and dispose of in a sanitary landfill (check local restrictions).

Shelf life is 3 years from the date of manufacture in tightly sealed, unopened container.

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.