

DESCRIPTION AND USE

Sure Klean® Vana Trol® is a concentrated acidic cleaner for new masonry surfaces that are subject to vanadium, manganese and other metallic stains. Vana Trol® is designed to simplify rinsing and reduces potential for efflorescence.

ADVANTAGES

- Clings to masonry surface, and softens excess mortar and job dirt.
- Slow-drying so it rinses clean without streaking.
- Controls green vanadium and brown manganese staining on color-sensitive brick and tile.
- Safe for use on most unpolished natural stone or cast stone.
- Designed for use with colored mortar.

Limitations

- Repeated applications may leave a detergent residue. To reduce potential for detergent residue: always prewet; rinse thoroughly; do not exceed two applications.

- Not effective for removing atmospheric dirt and black carbon stains. Use the appropriate Sure Klean® restoration cleaner to remove atmospheric staining from older masonry.

TYPICAL TECHNICAL DATA

FORM: Clear liquid with slight amber color
 SPECIFIC GRAVITY: 1.10
 pH: 0.3 @ 1:6 dilution
 WT/GAL: 9.15 lbs.
 ACTIVE CONTENT: NA
 TOTAL SOLIDS: NA
 FLASH POINT: NA
 FREEZE POINT: < -22°F (< -30°F)
 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, residue, 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. All caulking and sealant materials should be in place and thoroughly cured before cleaning.

On new construction, masonry cleaning should be done before installation of finished flooring, metal fixtures and all other nonmasonry materials. If such materials are already in place, protect with polyethylene and maintain sufficient ventilation to avoid buildup of potentially damaging fumes.

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 Temperature

For best results, clean when air and masonry surface temperatures are 40°F (4°C) or above. Cleaning when temperatures are below freezing or will be overnight may harm masonry. If freezing conditions existed before application, let the masonry thaw.

Vana Trol® 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	600-900 sq.ft. 56-84 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	NA
	Unpolished	yes	600-900 sq.ft. 56-84 sq.m.
Granite	Polished	yes	800-1000 sq.ft. 74-93 sq.m.
	Unpolished	yes	700-1000 sq.ft. 65-93 sq.m.
Sandstone	Unpolished	yes	600-900 sq.ft. 56-84 sq.m.
Slate	Unpolished	yes	700-1000 sq.ft. 65-93 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.

Vana Trol®

Equipment

Use low-pressure spray (50 psi max) or densely-packed, soft-fibered masonry-washing brush. Do not apply with pressure spray above 50 psi. Such application will drive the chemicals deep into the surface making it difficult to rinse completely. Transport and store in a cool, dry place.

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. Do not alter or mix with other chemicals. Always seal container after dispensing. 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

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

ALWAYS TEST (minimum 4-ft x 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 and approval by the project architect or building owner. Clean test areas according to the application below. Make the test panel available for comparison throughout the cleaning project.

Dilution

Dilute 4-10 parts water to 1 part concentrate depending on application. Adjust dilution rate based on test results. Always pour cold water into empty bucket first, then carefully add cleaner. Never use hot water. Handle in high-density polyethylene or polypropylene containers only. Acidic materials and fumes will 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.

Application Instructions – Exterior

Test thoroughly and follow preparatory work procedures above. Provide adequate ventilation. The following cleaning procedure is recommended unless otherwise indicated during testing:

1. Thoroughly saturate a large portion of the masonry surface with fresh water, working from the bottom to the top.
2. Using a densely-packed, soft-fibered masonry-washing brush or low pressure spray (50 psi max), apply diluted solution freely.
3. Leave cleaning solution on the wall for about 5 minutes, depending on absorption rate of masonry and drying conditions. Do not let cleaner dry into the masonry. This may leave a residue and cause staining.
4. Reapply cleaning solution and scrape off heavy buildup of excess mortar using a wooden scraper or piece of brick. Take care to avoid damaging the masonry surface. Do not use metal scrapers, which may contribute to metallic staining.
To avoid streaking, keep adjacent and lower wall surfaces wet and rinsed free of cleaning residues.
Avoid more than one reapplication over the same area. Repeated applications may cause a white detergent film to be deposited on the masonry surface. If mortar deposits are not softened after the initial application, allow the solution to remain on the wall for a longer period of time, making sure that the cleaner does not dry into the masonry.
5. Rinse thoroughly with fresh water, removing all cleaning compound, free sand, loose material and debris. Rinse from the bottom of the work area to the top. Thorough rinsing is extremely important to ensure that all residues are removed from the porous masonry.

Application Instructions – Interior

Proper ventilation is necessary. Following the cleaning procedures outlined for exterior surfaces. Rinse thoroughly with fresh water using sponge or soft-fibered brush. If conditions do not allow sufficient water for complete rinsing, use a neutralizing rinse following this procedure:

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

Cleanup

Clean tools and equipment using fresh water.

SAFETY INFORMATION

Sure Klean® Vana Trol® 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 safety equipment and job site controls during handling and application. Read 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 for 15 minutes; get medical assistance 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.

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.