

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
 TOTAL SOLIDS: N/A
 pH: 0.3 @ 1:6 dilution
 WT./GAL.: 9.15 lbs.
 FLASH POINT: N/A
 FREEZE POINT: < -22°F (< -30°F)

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.

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.

Equipment

Use low-pressure spray (50 psi max) or densely-packed, soft-fibered masonry-washing brush. Rinse with high-pressure spray (400-800 psi).

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	yes	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.

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

Vana Trol®

Rinse with high-pressure (400 psi) spray. Rinsing from the bottom up, use sufficient water pressure and water volume to thoroughly flush all dissolved soiling and residual cleaner from the pores of treated surfaces. Excessive pressure and water volume may combine to damage soft or deteriorated surfaces. Always test to determine optimal rinsing pressures and water volumes. Pressure rinsing equipment providing at least 400 psi at 4-6 gpm delivered through a 15-40 degree fan spray tip often produces best cleaning results.

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 to 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 Vana Trol® 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 Vana Trol®. 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

The following cleaning procedure is recommended unless otherwise indicated during testing:

1. Thoroughly saturate a large portion of the masonry surface with fresh water.
2. Using a densely-packed, soft-fibered masonry-washing brush or low pressure spray (50 psi max), apply diluted solution freely. Do not apply Vana Trol® with pressure spray above 50 psi. Such application will drive the chemicals deep into the surface making it difficult to rinse completely.
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.

NOTE: 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. Thorough rinsing is extremely important to ensure that all residues are removed from the porous masonry.

NOTE: To avoid streaking, keep adjacent and lower wall surfaces wet and rinsed free of cleaning residues.

Test thoroughly and follow preparatory work procedures above.

Application Instructions – Interior

Proper ventilation is necessary. Following the cleaning procedure 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.

Clean Up

Clean tools and equipment using fresh water.

SAFETY INFORMATION

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

Precautionary Measures

Contains: Hydrochloric and glycolic acids. 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.

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 HDPE construction. **If spilled,** follow all precautionary instructions. Keep from water and soil. Contain, dilute, 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 non-masonry surfaces from product, vapors and wind drift. Refer to the MSDS and label for additional precautionary information.

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.