



VEXCON
CHEMICALS, INC.

Concrete solutions for architects, engineers and builders since 1974
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STARSEAL® MASONRY & RESTORATION CLEANER

FAST • EFFECTIVE • SAFE • ECONOMICAL

DESCRIPTION

STARSEAL MASONRY & RESTORATION CLEANER is a specially designed cleaner which is safe to use on new and existing colored and gray masonry, brick, pavers, concrete and stone surfaces. Effectively removes efflorescence, concrete laitance, mortar smears as well as light atmospheric staining, rust and other construction stains.

StarSeal Masonry & Restoration Cleaner's fast cleaning action will quickly and easily penetrate the surface pulling and suspending contaminants for effective cleaning with out acid burning or streaking.

BENEFITS

- Improves color uniformity, brightness, depth and color uniformity
- Safe for most stone, colored concrete and masonry
- Cleans mortar joints
- Fast and easy to apply
- Low odor
- Non fuming
- Non etching
- Safer to use than Muriatic or Hydrochloric Acid
- Water rinseable
- Meets all VOC regulations

WHERE TO USE

Colored and gray masonry and concrete, manufactured and natural stone such as sandstone, limestone, marble, slate, granite, blue and brown stone.

PROTECT

After cleaning, to keep your surface looking great and easy to maintain use one of Vexcon's high quality, breathable water and stain repellent penetrating sealers that leave the natural appearance and texture of the surface unchanged. To enhance and protect the appearance use one of our premium wall coatings. For more information go to vexcon.com/product-line.

SPECIFICATIONS/COMPLIANCE

- CSI: 04 01 00 – Maintenance of Masonry

TEST AREA

- Always test each type of surface and each type of stain for suitability, dilution rates and desired results before overall application.
- Tests should be applied using the same equipment and techniques planned for job application.
- Let surface dry thoroughly before inspection.

PREPARATION

- Protect people, vehicles, property, metal, painted surfaces, plants and other non-masonry materials from product, residue, rinse, splash, 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 non-masonry items. If already installed, protect with polyethylene before application.
- Newly constructed surfaces, caulking and sealant materials should be in place, dry and thoroughly cured before cleaning.
- Protect wall cavities during construction to prevent rainwater saturation and related staining.
- Removing cementitious smears within seven days improves results

DILUTION INSTRUCTIONS

- **DO NOT MIX IN A METAL CONTAINER.** Use a polypropylene or polyethylene mixing container, large enough to hold the diluted solution.
- When diluting add product to cold water.
- When calculating the volume of cleaner required for porous, textures surfaces, assume 50 square feet per gallon. For dense, smooth surfaces, assume up to 150 square feet per gallon of prepared cleaner.
- Dilute one part product with between 3 and 6 parts clean water based on test results. Generally as a starting guide, concrete surfaces can be diluted 3 parts water and natural stone 6 parts water. **ALWAYS TEST** prior to overall application.

APPLICATION EQUIPMENT

- Always test to determine optimal rinsing pressures and water volumes.
- Apply with a soft-fiber, Tampico masonry washing brush or with low-pressure spray (50 psi max) equipment fitted with acid-resistant hoses and gaskets. Do not use pressure spray above 50 psi. This drives the cleaner into the surface, making rinse difficult and may cause stains or damage to surface. Do not atomize.
- Pressure washing equipment should provide a minimum 400 psi and not greater than 1000 psi at 4-6 gpm delivered through a 15-40 degree fan spray tip often produces best cleaning results.
- Use adjustable equipment for adjusting water flow and rinsing pressure as needed.
- Dilution and application equipment should be polypropylene or polyethylene construction.

APPLICATION

- Apply cleaner to a wet surface for best results.
- Apply using application equipment and procedures provided so the entire surface area is covered. Start at the lowest point working up to the highest point.
- Allow product to remain on the surface for 3 - 5 minutes or until stains have disappeared.
- Light gentle scrubbing improves cleaning result.
- Do not let product dry on the surface. Keep wet.
- Rinse from bottom up surface thoroughly with fresh water while gently scrubbing at the same time to properly remove all remaining residue. Pressure wash for best results using sufficient water pressure and water volume to thoroughly flush all dissolved staining and residual cleaner from the pores of treated surface without damage.
- Note: Excessive pressure and water volume may combine to damage soft or deteriorated surfaces.
- Repeat as necessary.
- Use StarSeal After Wash if the surface will be treated with a coating or penetrating sealer.

CLEAN-UP

- Clean tools and equipment with fresh water.
- Thoroughly rinse all surfaces, clothing and tools with fresh water after use.

PACKAGING

StarSeal Stone Cleaner is packaged in 55 gal (208 liter) drums, 5 gallon (19 liter) pails and 1 gallon (3.8 liter) containers.

TECHNICAL INFORMATION

- | | |
|-----------------------|-------------------|
| • Appearance | Clear |
| • Odor | Slight Sulfur |
| • Volatiles by volume | 85% |
| • PH | 1-2 (as packaged) |
| • VOC Content | 0 grams/liter |

HEALTH AND SAFETY

- Causes burns to eyes and skin.
 - Harmful if swallowed or inhaled.
 - Keep out of reach of children.
 - Keep product, dilution, and application containers tightly closed when not dispensing product.
 - Use only with adequate ventilation.
 - For use by professional applicators only
- Vexcon SDS OP136 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product obtain a copy of the SDS from your distributor or by contacting Vexcon Chemicals.

SPECIAL NOTES

- All equipment that may come in contact with cleaner should be thoroughly cleaned with fresh water.
- Acidic contents may damage some polished masonry, non-masonry and acid-sensitive surfaces.
- Multiple applications or incorrect use of product may etch sensitive surfaces.
- Before use, read Preparation and Health & Safety information.
- Always test each type of surface and each type of stain for suitability, dilution rates and desired results before overall application.
- Repeated applications may discolor mortar.
- Do not apply when temperature is below freezing or will be over night. If freezing conditions exist before application, let surface thaw. Best cleaning temperatures are 40°F (4°) and above.
- Do not use in confined areas without proper ventilation. Use of a respirator is recommended when order becomes irritating. Maintain sufficient ventilation.
- Occupied buildings cover all intake and exterior vents. Shut down air handling equipment during cleaning and until surface is dry.
- Always wear protective clothing (rubber gloves, eye protection, vapor mask, etc.). Consult SDS before use.
- Protect surfaces with polyethylene not intended to be treated, metal, glass, etc. from exposure. Rinse immediately with water if contact is made.
- Protect grass and any nearby plants by dampening these areas with water and covering with plastic drop cloths.
- Excessive pressure and water volume may combine to damage soft or deteriorated surfaces.
- For use by experienced contractors.
- Storage/ Handling: Store in tightly sealed original factory container. Keep from freezing and exposure to moisture. Store at room temperature prior to use. Care should be taken to keep dirt, water and contaminants away from the opening of containers. Product is unusable is allowed to freeze. Store between 50°-90°F (10°-32°C).
- Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.
- Shelf Life: If properly stored in its original sealed unopened container two (2) years from date of manufacture. Rotate your stock.

CONTACT US @

Additional product information, technical assistance and customer service is available by contacting Vexcon Chemicals directly or our distributors.

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WARRANTY

LIMITED WARRANTY: Vexcon warrants for a period of one (1) year from the date of manufacture that the goods supplied hereunder shall be of its standard quality and free of defects, and conforms to (a) Vexcon's published specifications in force on the date of acceptance by Vexcon of the order and (b) the sample which has been made available for testing by buyer prior to sale. Any claim under this warranty must be made in writing to Vexcon Chemicals within sixty (60) days after such non-conformity is first discovered. As the EXCLUSIVE REMEDY for any breach of this Limited Warranty, Vexcon at its option shall replace nonconforming goods or refund the purchase price. Since methods of use and application are beyond Vexcon's control, this Limited Warranty IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY IS ALSO IN LIEU OF ANY OTHER POSSIBLE LIABILITIES OF VEXCON, WHETHER ALLEGED TO ARISE BY AGREEMENT OR BY OPERATION OF LAW, RESPECTING THE SALE, APPLICATION, USE OR FUNCTION OF VEXCON'S PRODUCTS, INCLUDING BUT NOT LIMITED TO CLAIMS OF NEGLIGENCE, GROSS NEGLIGENCE, MISUSE, STORAGE DAMAGE, MISAPPLICATION, ACCIDENT, STRICT LIABILITY OR ANY OTHER TORT. No person is authorized by Vexcon to assume for it any other liability of any kind in connection with the sale or use of products manufactured and sold by it, and there are no oral agreements or warranties collateral to or affecting any sale or use. All of the foregoing arises under the substantive law of Pennsylvania without regard to principles of conflicts of laws.

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