



Performance Construction Chemicals

CERTI-VEX[®] STAIN REPELLENT WATER BASE

WATER, ACID AND OIL REPELLENT

VOC Content 248 gr./liter or 2.07 #/gal. - Water Repellent

DESCRIPTION

CERTI-VEX STAIN REPELLENT WB is a clear solvent based ready to use stain protectant for hard porous decorative and functional surfaces. Certi-Vex Stain Repellent WB will penetrate and protect concrete, non-glazed tiles, grout, marble and other materials listed on the substrate list below. Certi-Vex Stain Repellent WB will protect the surfaces from water, deicer chemicals, food acids, oils and other common stains. Certi-Vex Stain Repellent WB contains silanes and silane polymers in an industrial concentration, the materials small molecular structure allows for maximum penetration into the substrate, for both surface and subsurface protection. Surfaces treated with Certi-Vex Stain Repellent WB have a totally natural appearance and will renew the color of some faded materials yielding a more vibrant surface without film build up or surface film gloss. When properly applied the treatment on most surfaces does not produce a surface build up, darkening or other effect on the natural color or texture of the surface.

BENEFITS

- Improves stain, chemical and food acid resistance on a variety of substrates
- An effective chloride screen
- Deep penetration-no color change to the natural appearance
- Contains long alkyl groups especially suitable for alkaline surfaces
- Prolongs the surface life and prevents damage from within by maintaining vapor permeability
- Can be applied to surfaces, which are slightly damp
- Quick formation of surface repellency
- VOC Compliant
- Low Odor
- Simplifies cleanup

SPECIAL NOTES

- The product should be stored in sealed containers and kept away from extreme heat
- Can apply when surface temperatures are 20^oF - 85^oF. When below or above these ranges review Vexcon cold or hot weather application guide.
- Protect glass from over spray
- Always test each type of surface and each type of stain for suitability, dilution rates and desired results before overall application.
- If properly stored in its original sealed container, three years. Rotate your stock.
- For use by Professional Applicators

SURFACE PREPARATION

All patching and joint sealants and grout should be installed prior to application of Certi-Vex Stain Repellent WB. Surface should be cleaned free of dust, surface dirt and contaminants. For cementitious substrates use **Certi-Vex[®] Concrete Stripper** to remove old sealers, epoxies, urethanes, adhesives, curing compound and floor waxes. Use one of **Vexcon's concrete cleaners and stain removal products** to properly clean the surface prior to application. Prior to application a test area must be performed to determine proper application rate and required surface preparation. To determine that the concrete is penetrable perform a water absorbency test by applying water to a representative portion of the prepared concrete floor. A properly prepared surface when dry will immediately absorb clean water without any surface beading effects. Application to still damp surfaces is acceptable however free standing water must be removed.

LIGHT COMMERCIAL APPLICATION

Apply with rag or wool wax applicator at 1/2 the application rates tested for the substrate. Allow to dry, apply another light coat and allow to dry 1 hour. Excess material must be removed by polishing with high speed polisher. Wipe off or leave on overnight.

REGULAR APPLICATION

Certi-Vex Stain Repellent WB should not be diluted or altered. Apply with low-pressure (20-PSI) airless professional grade spray equipment. Sprayer should be clean and fitted with solvent resistant hoses and gaskets for hanger area. If using brushes or rollers care should be taken to ensure that enough solution is applied. Certi-Vex Stain Repellent WB should be applied in a single saturating application with sufficient material applied so that the surface remains wet for a few minutes before penetration into the concrete, see Coverage Section. Surface residues, pools and puddles should be broomed out thoroughly until they completely penetrate into the surface. Porous substrates may require additional light applications until surface rejection to totally seal the pores. **IMPORTANT:** After thorough drying the substrate must be burnished with a high speed burnisher equipped with a black stripping pad to remove excess polymer from the surface. If not burnished the excess polymer will black mark. Treated surfaces can be used immediately after burnishing.

MAINTENANCE

Spills should be removed promptly and cleaned with a high quality commercial detergent. Floors should be cleaned regularly. Periodic reapplication may be required as the sealer wears off. Paste Wax may be applied and then a liquid floor wax can be applied if desired.

SUBSTRATE LIST

Certi-Vex Stain Repellent WB can be used as a penetrant on:

- Concrete
- Marble Tile
- Granite Tile
- Slate
- Lime Stone
- Tile Grout
- CMU Block

PERFORMANCE TEST DATA

Certi-Vex Stain Repellent WB has been tested according to the most current test procedures in the industry. Testing includes water absorption/repellency ratings, penetration and salt spray resistance. Results are listed below and independent test reports are available on request.

1. Chloride screen test using NCHRP 244 series IV (1 application at 125 sq.ft. /gal.) min 90%.
2. Reduces water absorption (ASTM C-67 and ASTM C-140) by greater than 84%.
3. Scale rating-ASTM C-672-84 100 freeze thaw cycles-0 (no scaling).
4. Penetration (1 application) 7mm-13mm.
5. Water Transmission 110%

SPECIFICATIONS/COMPLIANCE

- NCHRP 244
- SSW 110C (water repellency)
- ASTM 16536 (breathability)
- VOC Compliant - VOC Content 248 gr./liter or 2.07 #/gal. – Waterproofing
- Case Consulting Laboratories: Coefficient of Friction Determinations ASTM 2047:
Certi-Vex Stain Repellent WB – average – 0.63

VITAL STATISTICS

- Flash Point: 212° F Tag closed cup
- Boiling Point: 210° F, 760 mm Hg
- Autoignition Temp: ND
- Extinguishing Media: Foams, Dry Chemical, CO₂, Water Fog, spray

COVERAGE RATES

Porosity and texture of the surface will affect the amount of material necessary for effective treatment. The following is a guide for estimating material requirements. Always test on the actual surface to get precise consumption rates.

Concrete:

Rough finish	200-300sq.ft/gal.(5.0-7.5m ² /L)
Fine broom finish	300-400sq.ft/gal.(7.5-10m ² /L)
Hard trowel finish	400-600sq.ft/gal.(5.21-10.4m ² /L)

Clay porous unglazed tiles 300-400 sq.ft/gal.

Marble 600-800 sq.ft/gal.

Granite 800-1000 sq.ft/gal

Slate 600-800 sq.ft/gal.

Limestone 400-500 sq.ft/gal.

Tile Grout 200-300 sq.ft/gal.

CMU Block 50-100 sq.ft/gal.

PACKAGING

Certi-Vex Stain Repellent WB is available in 55-gallon drums and 5 and 1-gallon pails. Contact Vexcon to discuss your customized packaging requirements.

HEALTH AND SAFETY

- Use only with adequate ventilation.
- Use of gloves, goggles and other protective clothing is advised when using this product.
- If swallowed, do not induce vomiting.
- Use of respirators is advised when using in confined areas.

Vexcon MSDS #PS113 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 it is advisable to obtain a copy of the MSDS, #PS113, from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

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

- www.vexcon.com
- TechnicalService@vexcon.com
- CustomerService@vexcon.com
- Sales@vexcon.com
- Voice: 888.839.2661
- Fax: 215.332.9997