



## INSTRUCTIONS FOR USE

### SURFACE PREPARATION

- All patching, joint sealants, and grout should be installed prior to application of StarSeal EF Weather and Stain Guard.
- Surface should be cleaned free of dust, surface dirt and contaminants. Use one of **Vexcon's 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 surface is penetrable perform a water absorbency test by applying water to a representative portion of the prepared surface. A properly prepared surface when dry will immediately absorb clean water without any surface beading effects.
- Protect wall cavities during construction to prevent rain water saturation and related staining.
- Let newly constructed surfaces dry and cure for 14 days before cleaning. Excessive moisture may mobilize staining and cause unsatisfactory cleaning results.
- Cleaning high-strength mortar/grout within seven days improves results.
- Application to still damp surfaces is acceptable however free standing water must be removed.

### APPLICATION

- StarSeal EF Weather and Stain Guard should not be diluted or altered.
- See Coverage/Estimating section below for suggested application rates.
- Treated surfaces should be protected from rain and foot traffic for 4-6 hours following application.
- Protect from vehicular traffic for 24 hours.
- Apply with low-pressure (20-PSI) airless commercial grade spray equipment. Sprayer should be clean and fitted with solvent resistant hoses and gaskets. Use **Certi-Vex Equipment Cleaner** then flush with water to properly clean spray equipment.
- If using brushes or rollers care should be taken to ensure that enough solution is applied.
- Use a roller pan to take off excess product. Do not dip and roll or pour and spread.
- Porous substrates may require additional light applications until surface rejection to totally seal the pores.

### HORIZONTAL SURFACES

Apply in a single saturating application with sufficient material applied so the surface remains wet for a few minutes before penetration into the surface. Surface residues, pools and puddles should be broomed or brushed out until they completely penetrate into the surface.

### VERTICAL SURFACES

Apply in a flooding application, from the bottom up with sufficient material applied to provide a 6" to 8" run down below the contact point of the new spray pattern with the surface. Thoroughly brush heavy runs and drips into the surface.

### MAINTENANCE

- Do not allow spills to sit for extended periods of time. Clean spills immediately with Vexcon's **StarSeal EF Degreaser & Cleaner**. When using other general cleaners test a small area for cleaner compatibility prior to full every day use.
- Periodic reapplication may be required as the treatment ages or after cleaning heavy dirt build up.

### COVERAGE RATES/ESTIMATING

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:**

Pavers	200-300 sq.ft/gal.
Fine broom finish	300-400 sq.ft/gal.
Hard trowel finish	400-600 sq.ft/gal.
Clay Brick	300-400 sq.ft/gal.
Marble tile unpolished	600-800 sq.ft/gal.

#### **Granite:**

Lightly Polished	800-1000 sq.ft/gal
Unpolished	600-800 sq.ft/gal
Slate	600-800 sq.ft/gal.
Sand and Lime Stone	400-500 sq.ft/gal.
Manufactured Stone	200-400 sq.ft/gal.
Tile Grout	300-400 sq.ft/gal.
CMU Block	50 - 100 sq.ft/gal.

### PERFORMANCE TEST DATA

StarSeal EF Weather and Stain Guard 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.

- Chloride screen test using NCHRP 244 series IV (1 application at 125 sq.ft. /gal.) min 90%.
- Reduces water absorption (ASTM C-67 and ASTM C-140) by greater than 84%.
- Scale rating-ASTM C-672-84 100 freeze thaw cycles-0 (no scaling).
- Penetration (1 application) 7mm-13mm.
- Water Transmission 110%
- Stain Resistance: See stain resistance chart. # TN 230

### **SPECIAL NOTES**

- Important – Read and follow all instructions. Any questions, contact Vexcon.
- The product should be stored in sealed containers and kept away from extreme heat
- Can apply when surface temperatures are 40<sup>0</sup>F-85<sup>0</sup>F. 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, coverage rates and desired results before application.
- Shelf Life: If properly stored in its original sealed container, two (2) years. Rotate your stock.
- New concrete should be thoroughly cured, 14 days, before application.
- For use by experienced applicators

### **VITAL STATISTICS**

- Flash Point 157<sup>0</sup>F (69<sup>0</sup>C) TCC
- Boiling Point (760 mm Hg) 210<sup>0</sup>F (98<sup>0</sup>C),
- Autoignition Temp ND
- Extinguishing Media Foams, Dry Chemical, C0<sub>2</sub>, Water Fog, spray

### **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 EF 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 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.

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