



CERTI-VEX ENVIO[®] WATER PROOF 100 & 500

WATER REPELLENT FOR BRICK, BLOCK AND CONCRETE

VOC Content 250 gr./liter 2.07 #/gal.-Water Repellent

DESCRIPTION

CERTI-VEX ENVIO WATER PROOF are commercial grade economical waterborne silane water repellent treatment and finishes for use on all brick, block, concrete, cement, plaster and stucco. Assists in preventing efflorescence, damage from freezing and thawing action, and protects surfaces from damaging water penetration. Available in two versions to meet your project requirements, Certi-Vex Envio Water Proof 100 and Envio Water Proof 500.

BENEFITS

- Life expectancy of masonry greatly extended
- Single application-long life
- Self cleaning-dirt does not stick, water runs off and cleans
- Minimal maintenance and repair costs
- Salt stain leaching and efflorescence are minimized
- Guards against damage from freezing and thawing action
- Can apply to 40°F
- Water base - safer to use - low odor
- Does not alter natural surface texture and appearance
- Economical silane penetrating sealer
- Vertical and Horizontal
- Above and below grade

VERTICAL SURFACES:

If brush application is used, it should not be brushed out. If applied by spray gun use the minimum line pressure required. Expel the material from the gun in a gentle stream with as little atomization as possible. A run down of material on the masonry surface of 6 to 12 in. (150 to 300 mm) should be allowed. Drop cloths should be used to protect bushes, grass or other vegetation from overspray. Clean up overspray immediately. Equipment clean up: Use water when wet and **Certi-Vex[®] Equipment Cleaner** when dry. Flush with water before use.

HORIZONTAL SURFACES:

Certi-Vex Envio Water Proof should be applied 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.

PRE-INSTALLATION NOTES

A test application is necessary on each surface to be treated to ensure compatibility and desired water repellency. Test areas are also useful in determining final application rate and procedures. If the material in the test area does not fully penetrate due to coatings or inadequately cleaned surface, re-cleaning using **Certi-Vex[®] Concrete Stripper** or acid etching of the surface might be required. Contact Vexcon or your representative for procedures. If a tacky residue remains after 24 hrs, the application rate must be modified. Material which remains tacky on the surface can usually be removed by washing with water or a vinegar solution. Tests should be applied using the same equipment and techniques planned for job application.

SURFACE PREPARATION

All caulking, patching and joint sealants concrete should be properly cured and fully installed prior to application of Certi-Vex Envio Water Proof. See Curing Recommendations below. All surfaces must be cleaned free of dust, dirt, surface materials, previous coatings and contaminants. New concrete normally does not require etching. However, slick trowel finished concrete that has become heavily contaminated with surface dirt, tire marks, oil, etc., during construction may require thorough cleaning and a mild etch for best performance. Older concrete surfaces should be power washed with high-pressure water and appropriate cleaners to assure removal of surface dirt, oil and contaminants that may have built up over the years or use Certi-Vex Concrete Stripper to remove old cure and seals, resin cures, acrylics, adhesives, floor waxes and many urethanes and epoxies. To determine that the concrete 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. The surface to be treated must be absolutely dry. Application should not be attempted if it has rained in the past 3 or 4 days or if rain is anticipated within 24 hours after application.

CURING RECOMMENDATIONS

- A. Concrete can be cured with **Certi-Vex® Envio Cure**, an emulsion resin cure, which will dissipate. Allow to dissipate or remove with Certi-Vex Concrete Stripper.
- B. Water cure-burlap

NOTE: Sodium Silicates should not be used to cure concrete

SPECIFICATIONS/COMPLIANCE

- Meets EPA and AIM VOC regulations
- VOC Compliant 250 gr./liter 2.07 #/gal.-Water Repellent
- Specification SS-W-110C

COVERAGE

One gallon of Certi-Vex Envio Water Proof should cover about 75-100 sq.ft (7-9 m²). Use one coat on most surfaces. Dense masonry may not accept the solution at this rate. Such surfaces should be given two coats and the coverage extended to 175-200 sq.ft. /gal (4-5 m²/L) per coat. At least 2-4 hours, under good drying conditions, should be allowed between coats.

PACKAGING

Certi-Vex Envio Water Proof is available in 55-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

VITAL STATISTICS

- Flash Point: >212° F Tag closed up
- Boiling Point: 210° F, 760 mm Hg
- Autoignition temp: ND
- Extinguishing media: Regular foam, carbon dioxide or dry chemical. Water may be used to reduce the rate of burning and for cooling purposes.

SHELF LIFE

If properly stored in its original sealed container, six months. Rotate your stock.

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.
- For use by Professional Applicators only.

Vexcon MSDS #PS105 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, #PS105, from your distributor or by contacting Vexcon Chemicals.

PHYSICAL PROPERTIES

	<u>#100</u>	<u>#500</u>
• Color	White Emulsion	White Emulsion
• Dry Time:	1 1/2 hours	1 1/2 hours.
• Solids	6%	10%
• Flash Point:	157° F (66° C) min.	157° F (66° C) min.
• Pounds/Gallon	8.4-8.5	8.4-8.5
• VOC:	250 gr/liter	260 gr/liter
	2.07 #/Gal.	2.17 #/Gal.
• Category:	Water Repellent	Water Repellent

NOTE: Full water repelling can take up to 7 days to develop, based on temperature which can affect the reaction rate of the Silane.

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