



**VEXCON**  
CHEMICALS, INC.

Protecting and improving concrete since 1974

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vexcon.com

## CERTI-VEX ENVIO<sup>®</sup> CURE WHITE 100•500•1000

Envio<sup>®</sup> Cure White Lean Base  
Non-Settling • Sprayable • Uniform

### DESCRIPTION

Construction projects demand an emulsion based white pigmented curing system that is D.O.T. approved, meets VOC requirements, is easy to apply, quick drying and cost competitive. Meeting these needs was the driving force behind the development of the **CERTI-VEX ENVIO CURE WHITE** line of quality white pigmented curing compounds. Job after job Certi-Vex Envio Cure White provides contractors the trouble-free performance needed to "Keep The Paving Train Running". The entire line of Certi-Vex Envio Cure White products provide for the complete development of concrete's wear resistance and strength properties while lowering concrete's temperature. Certi-Vex Envio Cure White is available in a wide range of formulations and packing options to meet the varying needs of today's projects.

### BENEFITS

- Meets USEPA AIM and OTC - Concrete Curing Compound
- Provides for complete development of concrete's wear resistance and strength properties
- Prevents efflorescence, dusting and spalling
- Low moisture transmission rates
- Water borne for environmental concerns
- Cleans up easily with water when wet
- Economical
- Can apply to 40<sup>0</sup>F

### APPLICATION

Apply Certi-Vex Envio Cure White as soon as possible after the concrete receives its final finishing, just as the water sheen disappears. Do not add thinner as the product is supplied at the proper consistency for spraying. Dilution will reduce curing efficiency. Thoroughly mix Certi-Vex Envio Cure White by air or mechanical methods before use to ensure best results and ease of application. Apply by brush, roller or sprayer, however, application by sprayer is preferred. The sprayer should generate at least 40 psi (275 kPa) and spray 1/2 gallon (2 L) of material per minute. The Chapin model 1949 or equivalent is recommended. Apply at 200 sq.ft./gal. (5.0 m<sup>2</sup>/L) or less depending on the method of application or specification requirement. Contact Vexcon or your distributor for assistance in product application techniques.

### **COAT UNIFORMLY - LEAVE NO GAPS**

To clean equipment: When wet use water. When dry use **Certi-Vex<sup>®</sup> Equipment Cleaner** and flush with water.

### PRODUCTS AND SPECIFICATIONS

**Certi-Vex Envio Cure White 100:** A white pigmented hydrocarbon 100% resin based curing compound that is easily applied and dries quickly to a uniform white film. Vexcon introduced Certi-Vex Envio Cure White 100 to offer contractors the performance of a resin base product at cost levels associated with hard to use wax base cures. The product is ideal for use on projects where a wax based product would be used only for cost reasons. Meets the requirements of ASTM C-309 Type II Class A&B, AASHTO M-148 Type II, FAA, VOC Content: 106 gr./liter or 0.88#/gal.

**Certi-Vex Envio Cure White 500:** A premium white pigmented hydrocarbon 100% resin based curing compound designed to meet the toughest performance and testing requirements. The product is non-settling, easy to use quick drying and resists moisture loss to the lowest levels to ensure the concrete reaches maximum hardness, wear resistance and strength properties. The product is ideal for use where top performance is needed or to meet the strictest requirements of testing agencies. Meets ASTM C-309 Type II Class A&B, AASHTO M-148 Type II, FAA, VOC requirements and is available pre-approved by many Departments of Transportation. VOC Content: 179 gr./liter or 1.49#/gal.

**Certi-Vex Envio Cure White 1000:** Meets the requirements of US Army Corps. of Engineers CRD-C-300 in addition to meeting all the requirements above. VOC Content: 140 gr./liter or 1.17#/gal.

**Certi-Vex Envio White Lean Base** is a product for use as a bond breaker and in other similar applications. Meets the requirements of ASTM C-309 Type II Class A, FAA and AASHTO M-148

All grades of Certi-Vex Envio Cure White meet the requirements of ASTM D 869 for non-settling of bulk stored Certi-Vex Envio Cure White.

Call Vexcon directly for test reports from state and independent labs

### TOPCOATS AND ADHESIVES

Certi-Vex Envio Cure White will slowly flake off after exposure to sunlight and weathering. Topcoats or adhesives are not normally used over white pigmented curing compounds and are not recommended for use over Certi-Vex Envio Cure White. If Certi-Vex Envio Cure White must be removed, wire brushing or **StarSeal<sup>®</sup> EF Stripper** is recommended.

### FREEZING

Certi-Vex Envio Cure White is supplied as a solvent-in-water emulsion. Not recommended for use at temperatures below 40° F (4° C). Keep from freezing and do not store outside in the winter months.

## PACKAGING

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

## VITAL STATISTICS

- Flash Point: >200° F (93° C), TCC
- Boiling Point, Azeotrope: MS & water 200° F (93° C)
- Autoignition Temp: ND
- Extinguishing Media: Foam, CO<sub>2</sub>, Water  
Fog or spray

## HEALTH AND SAFETY

This product is a solvent-in-water emulsion. All precautions provided are for the solvent portion, of which this product contains less than 7%.

- 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 #CC101 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using product, it is advisable to obtain a copy of MSDS, #CC101, from your distributor or by contacting Vexcon.

## SHELF LIFE

If properly stored in its original sealed container, one year. Rotate your stock

## LABORATORY TEST REPORT

Agency:	Bee Labs-Lab sample # WPC 9008
Material:	Certi-Vex Envio Cure White
Date Submitted:	October 2, 1992
Method of test:	ASTM C-156-91 Water retention by concrete curing materials: the test is run according to the ASTM method with the exception that the mortar specimens are 150 mm in diameter and 35 mm deep.
Brand of cement used	Santee
Mortar proportion (W:C:S)	0.4:1.0:2.6
Application Method	Spray
Duration of test	72 hrs.
Application rate	200 sq.ft/gal.
Weight/gal.	9.207 lbs./gal.
Loss of weight from each specimen	0.10:0.12:0.17
kg/sq.m	
24 hour results	0.20:0.03:0.05 avg.
0.03	
Range of results	0.07 kg/sq.m
Average loss	0.13 kg/sq.m
Comments:	
Reflectance	75
Viscosity (Ford #4)	16 sec.

## 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

Vexcon warrants that the goods supplied hereunder shall be of its standard quality and shall conform in all material respects to the sample which has been made available for testing by buyer prior to sale. As the EXCLUSIVE REMEDY for any breach of this Limited Warranty, Vexcon 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 EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANT ABILITY 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 OR NEGLIGENCE, GROSS NEGLIGENCE, STRICT LIABILITY OR ANY OTHER TORT. IN NO EVENT SHALL VEXCON BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE, REAL OR PERSONAL, ATTRIBUTED TO ITS PRODUCTS, NOR FOR ANY EXCAVATION, REMOVAL, REAPPLICATION, DOWN TIMES, CLEANUP, LOSS OF USE, LOSS OF OPPORTUNITY, LOSS OF MARKET VALUE, LOSS OF RENTAL VALUE OR FOR ANY LOSS OF PROFITS OR OTHER SPECIAL, INCIDENTAL, RESULTING, CONSEQUENTIAL OR EXEMPLARY DAMAGES. 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.