



## CERTI-VEX ENVIO® CURE VERTICAL

Special Fugitive Dyed Emulsion Resin

Non SAG VOC Compliant for Horizontal and Vertical Surfaces

VOC Content: 240 gr./liter or 2.00 #/gal.-Cure

### DESCRIPTION

**CERTI-VEX ENVIO CURE VERTICAL** a non-sag emulsion resin cure, is the first major advance in clear resin cures with fugitive dye for precast, bridge structures and concrete curing placement in 20 years. This unique product sprays on vertical surfaces without sagging providing positive curing, meeting ASTM C 309 and AASHTO M-148, Type ID, Class B, in the vertical position.

Certi-Vex Envio Cure Vertical has a unique yellow florescent type dye which is visible for a minimum of 4 hours but fades within 7 days even in covered and shaded areas. Certi-Vex Envio Cure Vertical is a dissipating resin system, which will flake off concrete by exposure to UV light and weather conditions. Certi-Vex Envio Cure Vertical meets the strictest VOC regulations.

### BENEFITS

- Does not run, sag resistant
- Meets VOC requirements
- Fugitive dye fades-covered or exposed
- Provides for complete development of concrete's wear resistance and strength properties
- Low moisture transmission rates
- Water emulsion for environmental concerns
- Prevents efflorescence, dusting and spalling
- Relatively non-staining
- Economical

### APPLICATION

Apply Certi-Vex Envio Cure Vertical as soon as possible after the concrete has received final finishing, just as the water sheen disappears. If application is delayed concrete must be kept wet (preferably by water spray-mist) until Certi-Vex Envio Cure Vertical can be applied. Do not add thinner as the product is supplied at the proper consistency for spraying. Dilution will reduce curing

efficiency. Thoroughly mix by air or mechanical methods before use to ensure best results and ease of application. Vexcon Chemicals recommends that be applied by a Morrison or Certi-Vex Envio Cure Vertical equivalent power sprayer with a tip yielding .375-. 5 gal (1.5- 2 L) per minute or, as an alternate, a Chapin or equivalent sprayer, which develops 40 psi (275 kPa) pressure and tips that will provide .25 to .375 gal. per minute. The spray tip must be cleaned and free of all solvents. Flush uncleaned or solvent cleaned tips with water before use.  
COAT UNIFORMLY-LEAVE NO GAPS

### SPECIFICATIONS/COMPLIANCE

- Meets EPA & AIM VOC regulations
- Meets or exceed the requirements of ASTM C 309, Type 1D, Class A&B
- AASHTO M-148

### TOPCOATS AND ADHESIVES

Certi-Vex Envio Cure Vertical is a dissipating curing compound that will slowly flake off after exposure to UV, weathering and/or construction traffic. Topcoats and adhesives are not recommended for use over Certi-Vex Envio Cure Vertical unless the entire surface area is free of residue. Residue should be removed by wire brushing or by using **Certi-Vex® Concrete Stripper**. For alternative methods of removal, contact the manufacturer. It is strongly suggested that a test area be applied prior to coating the entire surface, since products can adhere to concrete in varying degrees. Concrete cured with Certi-Vex Envio Cure Vertical is typically topcoated without incident, however it is advisable to check with manufacturer of the topcoat for any precautionary information. Certi-Vex Envio Cure Vertical should not be used as a sealer. Use **Certi-Vex® AC** or **StarSeal®** products for sealing applications.

### SPECIAL NOTES

- Certi-Vex Envio Cure Vertical is supplied as a solvent-in-water emulsion.
- Keep from freezing and do not store outside in the winter months.
- Clean up: When wets flush with water, when dry use **Certi-Vex® Equipment Cleaner** Can apply to 40°F
- If properly stored in its original sealed container, one year from date of manufacture. Rotate your stock

### PACKAGING

Certi-Vex Envio Cure Vertical 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 and water 200° F (93° C)
- Autoignition Temp: ND
- Extinguishing Media: Foam, Water, Fog or spray

## **HEALTH AND SAFETY**

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 #CC107 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 the MSDS, #CC107, from your distributor or by calling Vexcon Chemicals at 888-839-2661.

## **LABORATORY TEST REPORT**

Manufacturer: Vexcon Chemicals  
Address: 7240 State Rd., Phila. Pa. 19135  
Brand Name: CERTI-VEX ENVIOCURE  
VERTICAL  
Type of curing material: ASTM-C-309 Type I Class B  
Source of sample: Manufacturer  
Date: 6/17/90  
Cement: Coplay  
Mortar proportions: (W:C:S:) 0.4:1:2.6  
Method of application: Spray-200 sq.ft. /gal  
Duration test: 2 hours  
Weight/gallon: 8.29 #/gal.  
Average water loss: .10 kg/m2  
Solids: 30%  
Original signed by: Bee laboratory

## **THIS PRODUCT INCLUDES**

Material or Component	Cas No.	Hazardous Data	UN#
Hydrocarbon Resin	68527-25-3	10 mg/M <sup>3</sup> dust	
Stoddard Solvent	8052-41-3	TLV-100 ppm	1255
Emulsifiers			ND
H2O			N/A

COMMON NAME: Hydrocarbon Resin Emulsion  
DOT SHIPPING NAME: CERTI-VEX ENVIOCURE  
VERTICAL (Non-regulated)

## **CONTACT US @**

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

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