



VEXCON
CHEMICALS, INC.

Concrete solutions for architects, engineers and builders since 1974
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CERTI-VEX ENVIO® CURE VERTICAL

NON SAG • CURING VERTICAL SURFACES

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, roadways, and concrete curing placements 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 fluorescent 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 that will flake off concrete by exposure to UV light and weather conditions. Certi-Vex Envio Cure Vertical meets strict VOC regulations.

BENEFITS

- Does not run; sag resistant
- 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

RECOMMENDED FOR

Vertical concrete application requiring proper curing per ASTM C309.

- | | |
|---------------------|--------------------------|
| • Pre-cast concrete | • Cast-in-place concrete |
| • Bridges | • Roadway development |
| • Walls and columns | |

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 wet flush with water, when dry use **Certi-Vex® Equipment Cleaner** then flush with water.
- Can apply to 40°F / 4.4°C
- Shelf Life: If properly stored in its original sealed container, one year from date of manufacture. Rotate your stock.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.

SPECIFICATIONS/COMPLIANCE

- VOC <350 grams/liter or <2.92#/gal
- Meets:
 - US EPA AIM – Concrete Curing Compound
 - OTC – Concrete Curing Compound
 - LADCO – Concrete Curing Compound
 - Canada – Concrete Curing Compound
 - CARB – Concrete Curing Compound
 - SCAQMD – Concrete Curing Compound for Roadways and Bridges
- Meets or exceeds the requirements of ASTM C 309, Type 1D, Class B
- AASHTO M-148

APPLICATION

- Apply Certi-Vex Envio Cure Vertical as soon as possible after the forms have been stripped. 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.
- Apply at a coverage rate of 200 sq.ft/gal. in one coat, or in two coats of 400 sq ft per gallon for each coat.
- Certi-Vex Envio Cure Vertical can be applied in two coats. As first coat begins to coalesce and dry, it shifts from opaque yellow to clear yellow; apply second coat at this point. Do not allow first coat to dry hard before applying second coat.
- Vexcon Chemicals recommends that Certi-Vex Envio Cure Vertical be applied by a Morrison S201 Power Sprayer or 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 un-cleaned or solvent-cleaned tips with water before use.
- COAT UNIFORMLY - LEAVE NO GAPS

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 curing compound has dissipated or has been removed, and the entire surface area is free of residue.
- Residue should be removed by wire brushing or by using **Certi-Vex® Concrete Stripper Vertical**.
- For alternative methods of removal, contact Vexcon Chemicals directly.
- 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.
- Following dissipation or removal of curing compound, concrete that has been 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.

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, Inc.
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

CONTACT US @

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

- vexcon.com
- techservice@vexcon.com
- customerservice@vexcon.com
- sales@vexcon.com
- Voice: 888.839.2661
- Fax: 215.332.9997

WARRANTY

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