



Performance Construction Chemicals

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

Resin-Base Dissipating Curing Compound

VOC Content: 278 gr/liter or 2.32 #/gal-Cure

### DESCRIPTION

Vexcon Chemicals manufactures the **CERTI-VEX ENVIO<sup>®</sup>CURE** series from hydrocarbon resins produced in-house and blended with a proprietary mix of solvents and additives. The finished product is applied to the freshly placed concrete surface forming a tough, continuous, protective membrane. This film acts as a barrier allowing for low moisture transmission and maximum development of the concrete's strength and wear resistance during the early hardening stage. The protective film will not discolor the concrete and dissipates as exposed to light, other natural elements and construction traffic. Ideal for use on all interior and exterior concrete where an economical non-permanent cure, meeting ASTM C-309 Type 1 or 1D, Class A&B and AASHTO M-148 is needed.

### BENEFITS

- Provides for complete development of concrete's wear resistance and strength properties
- Low moisture transmission rates
- Quick drying
- Prevents efflorescence, dusting and spalling
- Available with a factory supplied red fugitive dye to aid in verification of application
- Economical
- Manufactured in Vexcon's computer controlled facility to ensure certified performance

### SPECIAL NOTES

- If Certi-Vex Enviocure is supplied with a red fugitive dye, do not use for interior applications. Dye will disappear after prolonged exposure to sunlight.
- Can apply to 40<sup>0</sup>F.
- Keep From Freezing.
- Mix well before use
- If properly stored in its original sealed container, two years from date of manufacture. Rotate your stock.

### TOPCOATS AND ADHESIVES

Certi-Vex Enviocure 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 Enviocure unless the entire surface area is free of residue. Residue should be removed by wire brushing or by using **Certi-Vex<sup>®</sup> Concrete Stripper**. For alternative methods of removal, contact the manufacturer. Certi-Vex Enviocure should not be used as a sealer. Use **Certi-Vex<sup>®</sup> AC** or **StarSeal<sup>®</sup>** products for sealing applications.

### APPLICATION

Apply as soon as possible after concrete receives final finishing, just as the water sheen disappears. If application is delayed concrete must be kept wet, preferably by water spray mist, until the product is applied. Do not add thinner as 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 by brush, roller or sprayer, however, application by sprayer is preferred. Apply at 200 sq.ft. /gal. (7.5 m<sup>2</sup>/L) or less depending on method of application and specification requirements.

### SPECIFICATIONS/COMPLIANCE

- Meets EPA & AIM VOC regulations
- Certi-Vex Enviocure 100 meets or exceeds the requirements of ASTM C-309, Type 1 or Type 1D, Class A&B, AASHTO M-148 and US Navy B.Y. & D. number 13 yrd.
- Certi-Vex Enviocure 500 meets requirements above and specific DOT requirements.
- Certi-Vex Enviocure 1000 meets the requirements of US Army Corps of Engineers CRD-C-300 in addition to meeting all the requirements above.
- Approved by Ohio EPA for contact with public drinking water systems.
- USDA approved
- VOC Content: 278 gr/liter or 2.32 #/gal-Cure

### PHYSICAL PROPERTIES –CERTI-VEX

#### ENVIOCURE

Color: Bright Yellow or Pink if with dye

Dry time @ 200 sq. ft/ gallon 3/4 hours

Water Retention @ 350 sq.ft. /gallon: 0.47 kg/cm<sup>2</sup>

Solvent: Emulsion

Wt/gal: 8.2 /gal.

Equipment clean up: **Certi-Vex<sup>®</sup> Equipment Cleaner** when dry, water when wet.

### PACKAGING

Certi-Vex Enviocure 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 (96° C)
- Boiling Point : 212° F ( 100° C)
- Autoignition Temp: ND
- Extinguishing Media: Foam, Dry chemical, CO<sub>2</sub>, Water Fog

### 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

VEXCON MSDS #CC103 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, #CC103, from your distributor or by contacting Vexcon.

### THIS PRODUCT INCLUDES

Material or Component	Cas No.	Hazardous Data	UN#
Hydrocarbon Polymer	68527-25-3	OSHA Pel:	
ACGIH TLV		10 mg/M <sup>3</sup>	for dust
Stoddard Solvent	8052-41-3	TLV 100 ppm	1268
Common Name:	Hydrocarbon resin cure		
D.O.T. Shipping Name:	CERTI-VEX ENVIOCURE (Non-Regulated)		

### CONTACT US @

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

- [www.vexcon.com](http://www.vexcon.com)
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### LABORATORY TEST REPORT

Material: CERTI-VEX ENVIOCURE  
Date Submitted: October 1, 1986  
Method of test: ASTM C-309, Type 1 and AASHTO M-148, Type 1, liquid membrane forming concrete curing compounds.

RESULTS TEST:	RESULTS	ASTM C-309 REQUIREMENTS	AASHTO M-148 REQUIREMENTS
Dry Time: Touch	25 min.	4 hours max.	4 hours max.
Dry Time: Tack Free	70-min.	12 hours max.	12 hours max.
Moisture Retention: (kg/m <sup>2</sup> per 72 hours)	0.4733	0.55 max.	0.55 max.

COMMENTS: Material meets ASTM C-309 and AASHTO M-148 specifications for type #1 liquid membrane forming compounds for curing concrete.