

CERTI-VEX ENVIO® CURE 100•500•1000

RESIN-BASE DISSIPATING CURING COMPOUND

DESCRIPTION

Vexcon Chemicals manufactures the **CERTI-VEX ENVIO® 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 Envio Cure 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°F / 4.4°C.
- Keep From Freezing.
- Mix well before use.
- Shelf Life: If properly stored in its original sealed container, two years from date of manufacture. Rotate your stock.

TOPCOATS AND ADHESIVES

Certi-Vex Envio Cure 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 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. Certi-Vex Envio Cure should not be used as a sealer. Use **Certi-Vex® AC** or **StarSeal®** 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. (4.9 m²/L) or less, depending on application methods and specification requirements.

SPECIFICATIONS/COMPLIANCE

VOC Content: <350 grams/Liter or <2.92 #/gal

- Meets
 - US EPA – Concrete Curing Compounds
 - OTC – Concrete Curing Compounds
 - LADCO – Concrete Curing Compounds
 - CARB – Concrete Curing Compounds
 - Canada – Concrete Curing Compounds
 - SCAQMD – Concrete Curing Compounds for Roads and Bridges
- Approved for contact with public drinking water systems (Ohio EPA Admin. Code 3745-83-03)
- USDA approved
- CSI 03 39 23.13 Chemical Compound Membrane Concrete Curing
- **Certi-Vex Envio Cure 100** meets or exceeds the requirements of ASTM C309, Type 1 or Type 1D, Class A&B, AASHTO M-148, and UFGS-03 39 00.00 10 Part 2.1.2 Membrane-Forming Compound
- **Certi-Vex Envio Cure 500** meets requirements above plus specific DOT requirements.
- **Certi-Vex Envio Cure 1000** meets the requirements of US Army Corps of Engineers CRD-C-300 in addition to meeting all the requirements above.

PHYSICAL PROPERTIES

Color:	Bright Yellow or Pink if with dye
Dry time @ 200 sq. ft/ gal	<45 min
Water Retention @ 350 sq.ft./gal:	0.47 kg/m ²
Solvent:	Emulsion
Wt/gal:	8.29 lbs/gal.
Equipment clean up:	Certi-Vex® Equipment Cleaner when dry, water when wet.

PACKAGING

Certi-Vex Envio Cure 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)
• Boiling Point:	200°F (93°C) Azeotrope
• Autoignition Temp:	N/D
• Extinguishing Media:	Foam, Dry chemical, CO ₂ , 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 #CC105 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 #CC105 from your distributor or by contacting Vexcon Chemicals.

THIS PRODUCT INCLUDES

COMPONENT	CAS NO.	HAZARD DATA	UN#
Hydrocarbon Polymer	68527-25-3	OSHA PEL ACGIH TLV 10 mg/m ³ for dust	NONE
Stoddard Solvent	8052-41-3	ACGIH TLV 100 ppm (TWA) OSHA PEL 500 ppm (TWA)	1268
Emulsifiers and Performance Additives	N/A	N/A	NONE
Water	N/A	N/A	NONE

Common Name: Hydrocarbon resin cure
D.O.T. Shipping Name: CERTI-VEX ENVIO CURE
(Non-Regulated)

CONTACT US @

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

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LABORATORY TEST REPORT

Material: CERTI-VEX ENVIO CURE
Date Submitted: October 1, 1986
Method of test: ASTM C309, Type 1 and AASHTO M-148, Type 1, liquid membrane forming concrete curing compounds.

PROPERTY	TEST RESULTS	ASTM C309 and AASHTO M-148 REQUIREMENTS
Dry Time: Touch	25 min.	4 hours max.
Dry Time: Tack Free	70 min.	12 hours max.
Moisture Retention: (kg/m ² per 72 hrs)	0.4733	0.55 max.

COMMENTS: Material meets ASTM C309 and AASHTO M-148 specifications for Type #1 liquid membrane forming compounds for curing concrete.

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 MERCHANTABILITY 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.