



CERTI-VEX® ENVIO® RC 1000

Solvent Base VOC Resin-Base Dissipating Cure

VOC Content: 334gr./liter or 2.8#/gal.

DESCRIPTION

Vexcon Chemicals manufactures **CERTI-VEX ENVIO® RC 1000** from low molecular weight hydrocarbon resins produced in-house and blended with a proprietary mix of solvents and additives. Certivex Envio® RC 1000 will meet the VOC Cure Levels of 350 grams/liter and still be sprayable. Envio RC 1000 is a solvent based curing compound, curing at colder below freezing temperatures will not effect the performance of the product. 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 and CRD-C 300.

BENEFITS

- Solvent base meets VOC
- Cold weather curing compound
- Low viscosity for easy spraying
- 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
- Available to meet requirements of various state D.O.T.'s
- Manufactured in Vexcon's computer controlled facility to ensure certified performance

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 m²/L) or less depending on method of application and specification requirements. Contact Vexcon or your distributor for assistance in product application techniques. COAT UNIFORMLY -LEAVE NO GAPS

SPECIFICATIONS/COMPLIANCE

- Meets EPA & AIM VOC regulations
- ASTM C-309 Type I or ID, Class A&B
- AASHTO M-148 and CRD-C 300
- ASTM D3960
- DL LAB Report – DL-14274B2

TOPCOATS AND ADHESIVES

Certivex Envio® RC 1000 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 Certivex Envio® RC 1000 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. Certivex Envio® RC 1000 should not be used as a sealer. Use **Certi-Vex® AC 1315** or **Certi-Vex StarSeal® 1315** for sealing applications.

SPECIAL NOTES

- If Certivex Envio® RC 1000 is supplied with a red fugitive dye, do not use for interior applications. Dye will disappear after prolonged exposure to sunlight.
- Can be applied to 20°F keep material @ 60-70°F prior to use.
- If properly stored in its original sealed container, three years from date of manufacture. Rotate your stock.
- For Use By Professional Applicators.

PACKAGING

Certivex Envio® RC 1000 is available in 55-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

PHYSICAL PROPERTIES –CERTI-VEX® ENVIO® RC

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|--|-----------------------------|
| • Color: | Light amber |
| • Solvent: | Proprietary and Acetone |
| • Dry time @ 200 sq. ft/ gallon | 30 Minutes |
| • Water Retention@ 350 sq.ft. /gallon: | 0.47 kg/cm 2 |
| • Solids 46% by ASTM D 2369 | |
| • Wt/gal: | 7.73±.05 |
| • Equipment clean up: | Certi-Vex Equipment Cleaner |

VITAL STATISTICS

- Flash Point: 1.4°F
- Boiling Point : 133°F (56°C)
- Autoignition Temp: ND
- Extinguishing Media: Foams, Dry chemical, CO₂, Water Fog.

HEALTH AND SAFETY

CAUTION FLAMMABLE LIQUID

- Resin solution, flammable liquid, red label
- Use of respirators is mandatory when using this product in confined areas.
- Use only with adequate ventilation.
- If swallowed, do not induce vomiting.
- Use of gloves, goggles and other protective clothing is advised when using this product.

Vexcon MSDS #CC104 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 from your distributor or by contacting Vexcon Chemicals.

LABORATORY TEST REPORT

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|---|---|-------------------------|---------------------------|
| Material: | CERTI-VEX® ENVIO RC | | |
| Date Submitted: | October 1, 1986 | | |
| Method of test: | ASTM C-309, Type I 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 ² 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.

CONTACT US @

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

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