



ChemMasters®

SPECIALTY CONSTRUCTION PRODUCTS

Certi-Vex® Envio® Cure White 500 MTO

White Pigmented Concrete Curing & Sealing Compound for Ontario Ministry of Transportation (MTO)

P R O D U C T D A T A

DESCRIPTION

Certi-Vex Envio Cure White 500 MTO is a premium, water-based, white pigmented, hydrocarbon resin curing & sealing compound, specially formulated to meet the Ontario Ministry of Transportation (MTO) performance specifications.

Certi-Vex Envio Cure White 500 MTO is non-settling, easy to use, quick drying and resists moisture loss to promote full hydration of cement in order to reduce shrinkage cracks and achieve maximum design strength, hardness and wear resistance properties.

USES

- Cure exterior concrete including pavement, curbing, sidewalks, parking lots, median barriers and foundations
- Curing compound for mass concrete, dams, bridges, and structures requiring a higher level of curing efficiency

ADVANTAGES

- Approved for use by Ontario Ministry of Transportation (MTO)
- Improves abrasion resistance
- Provides maximum development of concrete design strength and wear resistance
- VOC compliant
- Excellent moisture retention
- Reduces efflorescence, dusting and spalling
- Improved durability for long life concrete

Packaging and Part Number

5 US gallon pail (18.9 L)	36 / pallet	FV1625.05
275 US gallon drum (208 L)	4/pallet	FV1625.55
275 US gallon tote (1,040 L)		FV1625.275

TECHNICAL DATA

- Meets the requirements of the Ontario Ministry of Transportation (MTO)
- ASTM C-309, Type II, Class A&B, *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*
- AASHTO M-148, Type II, Class A&B
- CSI: [03 39 23.13], [32 13 13]

Test Data

Solids	25% +/- 1.5%
Density	9.16 +/- 0.05
Volatile Organic Content (VOC)	<200 g/L
Flash Point °C (°F)	>200°F (93°C)
Light Reflectance	63%
Dry Time @ 50% RH	<4 hours

Estimating Guide

Curing	200 (5 m ² /L)
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DIRECTIONS

Application: Apply **Certi-Vex Envio Cure White 500 MTO** after all bleed water has dissipated and application will not mar surface. Apply uniformly leaving no pinholes or gaps. Do not allow material to puddle.

Mixing: Do not dilute. Mix **Certi-Vex Envio Cure White 500 MTO** before each use and periodically to disperse pigments and solids uniformly. If using a pump, use an air diaphragm pump to circulate **Certi-Vex Envio Cure White 500 MTO**, do not use a centrifugal pump. Mix only long enough to make the **Certi-Vex Envio Cure White 500 MTO** homogenous. Do not over mix as this may cause foaming and may damage the emulsion.



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Spray Application: Always use a dedicated sprayer for water-based curing and sealing products. Use a low pressure airless sprayer equipped with a fan nozzle of 0.030 to 0.035" at 1 gallon per minute. The optimum spray pattern is a 8 to 12" (20 to 30 cm) fan. Hold sprayer tip 8 to 12" (20 to 30 cm) from the concrete surface.

Roller Application: Use a short napped roller (3/8" or less).

Drying Time: Certi-Vex Envio Cure White 500 MTO dries in less than 4 hours at 70°F (21°C) at 50% relative humidity. Cooler temperatures or higher relative humidity may slow drying process.

Clean Up: Clean tools and equipment immediately after use with warm water and detergent.

STORAGE

Store in tightly closed containers out of direct sunlight between 50 and 100°F (10 and 38°C). Shelf life of properly stored material is one year from date of manufacture.

LIMITATIONS

- **Certi-Vex Envio Cure White 500 MTO** is not recommended for interior use or where appearance is important.
- Do not apply if surface or ambient temperature is below 40°F (4°C) above 90°F (32°C). Product must be conditioned to 50°F (10°C) prior to application.
- Do not allow product to freeze.
- Do not use **Certi-Vex Envio Cure White 500 MTO** as a tilt-up bond breaker.
- Proper application is the responsibility of the user. ChemMasters can only make technical recommendations and cannot provide quality control on the jobsite.

PRECAUTIONS:

WARNING: May be harmful if swallowed. Causes eye irritation. May cause an allergic skin reaction.

Precautionary Statements: Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands and skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

All label precautions and Safety Data Sheet must be fully understood before using this product.

Keep out of the reach of children.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET AND PACKAGE LABEL FOR THIS PRODUCT

We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.