

D.O.T. Cure®



DESCRIPTION

D.O.T. Cure is a water based, white pigmented, wax emulsion concrete curing compound. When applied to fresh concrete, **D.O.T. Cure** creates a film that retains water thus enabling the cement to fully hydrate achieving higher ultimate strength while reducing surface shrinkage cracks. The white pigmentation keeps the concrete cool to further ensure the concrete's best performance.

ADVANTAGES

- Stable solution to allow for reduced length and frequency of agitation
 - Excellent moisture retention - consistently meets ASTM C309
 - White pigments reflect heat in hot weather and act as a gauge of proper application rate
 - Superior spraying characteristics for economical application and reduced labor cost
 - Available in pails, drums, or totes
- **D.O.T. Cure** is used to cure any exterior concrete including pavement, curbing, sidewalks, driveways, parking lots, median barriers, and mat foundations.

COVERAGE

Coverage is dependent on surface texture and porosity.

Curing 200 ft.2/Gallon 5 M2/Liter

SPECIFICATIONS

Conforms to ASTM C 494 Type B ASTM C 494 Type D
AASHTO M 194 Types B and D CRD C 87 Types B and D

TECHNICAL NOTE

- ASTM C-309, Types II, Class A, Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
- AASHTO M-148, Type II, Class A
- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

V.O.C. Content	30 gm/L
Water Loss	< 0.15 kg/m ² @ 24 hrs < 0.40 kg/m ² @ 72 hrs
Light Reflectance	minimum 65%
Settling (150 ml Kimax cylinder)	< 5 ml in 2 hours < 25 mil in 24 hours

Solids	27 +/- 2 %
Flash Point	NONE
Weight	8.42 lbs./gal. (1 Kg / L)

COMPATIBILITY

OptiFlo® 100R is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved water reducing, super plasticizing and air entraining admixtures. OptiFlo® 100R can be used in all white, colored, and architectural concrete. For best results, the air entraining admixture should be added separately into the concrete mix.



PREMIERE CONCRETE SOLUTIONS

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D.O.T. Cure®

APPLICATION

MIXING: Do not dilute. Stir or agitate **D.O.T Cure** before using to disperse pigments and solids uniformly. If using a pump to recirculate **D.O.T Cure**, it is recommended that an air diaphragm pump be used. If using a centrifugal pump, mix only long enough to make the **D.O.T Cure** homogeneous. Do not over mix as this may cause foaming and may damage the curing compound.

APPLICATION: Use a low pressure, airless sprayer equipped with a fan tip or a short napped roller to apply. Hold sprayer tip 6-8 inches (15-20 cm) from the surface of concrete. Apply uniformly leaving no pinholes or gaps but avoid over applying or puddles.

CURING: Apply **D.O.T Cure** after all bleed water has dissipated and application will not mar surface.

DRYING TIME: **D.O.T Cure** dries in less than 4 hours at 70°F (21°C) at 50% relative humidity. Cooler temperatures or high relative humidity may slow drying process.

CLEAN-UP

Clean tools and equipment used in applying **D.O.T Cure** with warm water and detergent.

LIMITATIONS

- D.O.T Cure 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). Product should be conditioned to 50°F (10°C) prior to application.
- Do not use **D.O.T Cure** as a bond breaker for tilt-up construction.



STORAGE

Store in tightly closed containers in warm area, between 50°-100°F (10°-38°C). Do not allow to freeze. Shelf life of properly stored material is one year from date of manufacture.

CAUTIONS

May cause skin and eye irritation. Do not take internally. Keep out of reach of children.

All label precautions and the MSDS must be fully understood before using this product.

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.

Premiere Concrete Solutions warrants its products to be free of manufacturing defects and that they will meet Premiere Concrete Solutions current published physical properties when applied in accordance with Premiere Concrete Solutions directions and tested in accordance with ASTM and Premiere Concrete Solutions standards. Premiere Concrete Solution makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Premiere Concrete Solutions shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. 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. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.