

DOT ROAD CURE - WW

High solids, water based, white pigmented, wax type concrete curing compound.



VOLATILE ORGANIC COMPOUND (VOC)
REGULATORY COMPLIANCE

USEPA
CARB-SCM
SCAQMD
LADCO, OTC
UT-R307, CO
MCAQD
CT, MD, DE, D.C.
CANADA

DOT ROAD CURE - WW



HOW IT WORKS

Applied to freshly placed concrete, DOT ROAD CURE - WW quickly forms a moisture vapor-resistant membrane to maximize water retention for improved cement hydration and increased concrete strength. A highly reflective white pigment is added which reflects the sun's rays to keep the concrete surface cooler and reduce heat buildup for maximum strength development.

APPLICATIONS

- ◆ Designed for use on commercial, horizontal, exterior concrete paving projects.
- ◆ Use on interstates, highways, streets, curbs.
- ◆ Use on airport paving projects, canal paving projects and parking lots.
- ◆ Also for use on sidewalks, walkways and other engineering projects requiring a white pigmented, wax based curing compound.

ADVANTAGES

- ◆ Promotes retention of original mixing water during the early curing stages, allowing concrete to develop maximum strength, density and surface hardness.
- ◆ Minimizes plastic shrinkage cracking from excessive moisture loss, especially during hot and/or windy weather conditions.
- ◆ Increases concrete wear resistance.
- ◆ Improves concrete durability.
- ◆ Reduces concrete surface porosity.
- ◆ Easily sprayable with a power sprayer or a hand pump sprayer.
- ◆ High reflectivity (greater than 60%) reduces concrete surface temperature.
- ◆ Meets the requirements of ASTM C 309, Type II, Class A and AASHTO M-148, Type II, Class A.
- ◆ Green Engineered™ – better for health and the environment.
- ◆ Meets all federal and state VOC requirements.

▲ PRECAUTIONS ▲

- ◆ Do not use on architectural concrete or where cured concrete surface color appearance is critical.
- ◆ Do not use where treated surfaces are to be covered with concrete or plaster.

- ◆ Do not apply where tilt-up bondbreakers, floor sealers, liquid floor hardeners, water repellents, paints, adhesives, sealants, floor coverings or other floor treatments or coatings may contact surfaces treated with DOT ROAD CURE - WW.
- ◆ Do not thin with water, solvent or any other thinning agent.
- ◆ Do not over agitate with mechanical recirculating pump or high speed mixer and avoid incorporating air into product during mixing.
- ◆ Not recommended for use in residential applications.
- ◆ Not recommended for application when the air temperature and/or concrete temperature is less than 40° F (4° C).
- ◆ DOT ROAD CURE - WW residue may remain on cured concrete surfaces many days or even months, depending on exposure and/or use conditions.
- ◆ Treated surfaces may be slippery prior to drying and when wet with water or liquids after drying.
- ◆ Protect from freezing. Allowing product to freeze can cause the container to rupture as well as separation of the active components, resulting in poor product performance. Product which is suspected of freezing should not be used.
- ◆ Verify that product is within the "USE BY" date stated on product packaging. Do not use expired product. The use of expired product may result in poor product performance or failure.

USE INSTRUCTIONS

- ◆ Request current product literature, labels and safety data sheets from manufacturer and read thoroughly before product use.
- ◆ Site environmental conditions, substrate conditions and construction have a major effect on product selection, application methods, procedures and rates, appearance and performance. Product literature provides general information applicable to some conditions. However, an adequate site test by the purchaser or installer in advance of field scale dilution or use is mandatory (irrespective of any other verbal or written representations) to verify product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.

DOT ROAD CURE - WW

Product Category



chemical solutions to concrete problems

- ◆ DOT ROAD CURE - WW is shipped ready to use. Do not dilute. Mix well before using, avoiding the incorporation of air into the product.
- ◆ Apply with brush, roller, hand pump sprayer or power sprayer. Hand pump compression sprayers, like the NOX-CRETE PERFECT FORM & CONCRETE SPRAYER or the NOX-CRETE IDEAL FORM & CONCRETE SPRAYER, work well for smaller areas. Larger areas are most effectively treated with a power sprayer.
- ◆ Allow all surface bleed water to evaporate before applying DOT ROAD CURE - WW.
- ◆ Apply uniformly at the rate of 200 sf / gal (4.9 sm / L) immediately after final finishing and the disappearance of surface water sheen.
- ◆ Avoid runs, puddles and over application.
- ◆ To achieve maximum curing performance, a second application should be made at right angles to the initial application. The second application can be applied as soon as the first application becomes tack free.
- ◆ Application equipment should be cleaned with soap and water promptly following use.

TECHNICAL DATA

Color	Milky White
Odor	Mild
Bulk Density	8.32 lbs / gal (1 kg / L)
Flash Point	>200° F PMCC
Freeze Point	32° F (0° C)
Dry Time Approximately	2-4 hours depending on weather conditions
VOC	<25 g/L
VP	<17 mm Hg @ 20° C
Reflectance	>60%
Moisture Loss	0.15 KG/SQM
Nonvolatiles	25%

Meets the requirements of ASTM C 309, Type II, Class A and AASHTO M-148, Type II, Class A.

PACKAGING

Packaged in 5 gal (19 L) pails, 55 gal (208 L) drums and 275 gal (1,041 L) totes.

SHELF LIFE

Shelf life is one year. Use before the "USE BY" date stated on product packaging.

HANDLING/STORAGE

Store in a dry location within a temperature range between 40° F (4° C) and 100° F (38° C).

AVAILABILITY & TECHNICAL SERVICES

In addition to corporate offices in Omaha, Nebraska, NOX-CRETE INC. maintains regional offices and distribution centers in principal markets throughout the world. For source or technical information, call 800-669-2738 or 402-341-2080.

LIMITED WARRANTY

NOTICE-READ CAREFULLY

CONDITIONS OF SALE

NOX-CRETE offers this product for sale subject to, and Buyer and all users are deemed to have accepted, the following conditions of sale and limited warranty which may only be varied by written agreement of a duly authorized corporate officer of NOX-CRETE. No other representative of or for NOX-CRETE is authorized to grant any warranty or to waive limitation of liability set forth below.

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NOX-CRETE warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, NOX-CRETE will replace the defective product with new product without charge to the purchaser.

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INHERENT RISKS

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