

RES-CURE DS



Single component, water based, dissipating, styrene resin type curing compound.

HOW IT WORKS

Applied to the surface of freshly placed concrete, Res-Cure DS quickly forms a moisture vapor-resistant membrane, preventing rapid evaporation of concrete mixing water necessary for proper concrete cure and strength development.

APPLICATIONS

- ◆ Use on horizontal concrete surfaces following final finishing.

ADVANTAGES

- ◆ Promotes retention of original mixing water during the early curing stages, allowing concrete to develop maximum strength, density and surface hardness.
- ◆ Minimizes concrete surface crazing and cracking from excessive moisture loss, especially during hot and/or windy weather.
- ◆ Provides temporary resistance to rain shower damage and penetration of dirt, oil, grease, tire marks, etc. that can stain concrete during construction, reducing final cleanup costs.
- ◆ Prevents adhesion of mortar and concrete splash during construction, aiding clean up.
- ◆ Does not contain any waxes, paraffins, gums or oils.
- ◆ Typically dries to a dust and tack free state in 30 minutes.
- ◆ Slowly dissipates over time. (See PRECAUTIONS)
- ◆ Complies with ASTM C 309, Type 1, Class A & B and AASHTO M 148, Type 1, Class B. Compliant with USDA requirements for incidental food contact.
- ◆ 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 use with other floor sealers, treatments, bondbreakers, sealants, adhesives, resilient tile floor coverings, concrete paints, etc. that may contact surfaces treated with Res-Cure DS without prior site test to determine compatibility.
- ◆ Exposure to ultraviolet light will cause Res-Cure DS to turn

amber or yellow in color, which may be objectionable in appearance.

- ◆ Treated surfaces may be slippery prior to drying and when wet with water or liquids after drying.
- ◆ Res-Cure DS will slowly oxidize or dissipate over time. The time it takes to fully dissipate varies depending upon sunlight exposure, product application rate and alkalinity conditions.
- ◆ Complete removal of unoxidized or partially oxidized Res-Cure DS films may require the use of solvent based strippers, sandblasting or other mechanical means.
- ◆ Protect from freezing. If allowed to freeze, product packaging may rupture and the emulsion stability of this product may be affected, making it difficult to keep product mixed during application. 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.
- ◆ Not recommended for application when the air temperature is less than 40° F (4° C).

USE INSTRUCTIONS

- ◆ Request current product literature, labels and material safety data sheets from manufacturer and read thoroughly before product use.
- ◆ Site environmental conditions, substrate conditions and concrete mix design 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 production test application by the purchaser or installer in advance of field scale use is mandatory (irrespective of any other verbal or written representations) to verify that product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- ◆ Res-Cure DS is shipped ready to use. Do not dilute. Mix well before using, avoiding incorporating air into product.
- ◆ Typical application rate varies with substrate conditions and range from 50-500 sf/gal (1.25 sm/L to 12.5 sm/L).
- ◆ Can be applied with brushes or rollers, but best results are achieved using lamb's wool applicators or low pressure



sprayers. Hand pump compression sprayers like Nox-Crete's Perfect Form & Concrete Sprayer provide good results for smaller areas. Large areas can be most economically treated with power sprayers. (NOTE: product is incompatible with many organic solvents and/or thinners that may be present as residue in sprayer interiors, hoses or pressure lines. Flush with warm detergent solution before applying Res-Cure DS).

- ◆ Allow complete surface bleed water evaporation before application to prevent lack of membrane adhesion and poor curing performance.
- ◆ Apply at substrate temperatures over 55° F (13° C). Product can be applied at lower substrate temperatures above freezing, however, extended product cure time is required. Do not apply at air or substrate temperatures at or below freezing or when such temperatures are expected within 6 hours following application.
- ◆ Apply uniformly to point of saturation and appearance of continuous surface film IMMEDIATELY following final finishing and after disappearance of surface water sheen. Concrete should be damp, but not wet on the surface.
- ◆ Apply to vertical surfaces immediately following form removal.
- ◆ Avoid runs, puddles and over application.
- ◆ To achieve maximum curing performance, a second application should be made at right angles to the initial application. 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 Liquid
Clarity	Opaque
Odor	Pleasant
VOC	<50 g/L
VP	15.3 mmHg at 20° C
Bulk Density	8.3 lbs./gal. (996 g/L)
Flash Point	>200° F (>93° C)
Freeze Point	32° F (0° C)
Dry (Dust Tack Free)	30 minutes - 1 hour
Dry (light traffic)	12 hours
Dry (normal traffic)	24 hours
Recoating time	1 hour

Complies with ASTM C 309, Type 1, Class A & B and AASHTO M 148, Type 1, Class B. Compliant with USDA requirements for incidental food contact.

PACKAGING

Packaged in 5 gal (19 L) pails and 55 gal (208 L) drums.

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 Products Group 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.

WARRANTY LIMITATION

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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