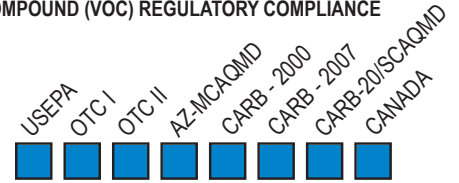


# PRODUCT DATA

## CURE & SEAL HG - 100

High solids, ultra-low VOC solvent based, high-gloss, non-yellowing, copolymer-acrylic, concrete curing, sealing and dustproofing compound

VOLATILE ORGANIC COMPOUND (VOC) REGULATORY COMPLIANCE



CURE & SEAL HG - 100

### HOW IT WORKS

Applied to freshly placed and finished concrete surfaces, CURE & SEAL HG - 100 creates a vapor seal that retains moisture for proper curing. Also provides early rainfall protection and resistance to abrasion and staining.

### APPLICATIONS

- ◆ Use as a cure on freshly placed concrete.
- ◆ Use as a sealer/dustproofers on both new and existing concrete surfaces.
- ◆ Can be used on plain grey colored concrete or decorative colored concrete.
- ◆ Can be used on textured, stamped and exposed aggregate concrete surfaces.

### ADVANTAGES

- ◆ Ultra-low VOC solvent-based formulation complies with all Federal, State, Provincial, and regional VOC regulations in the United States and Canada.
- ◆ Application-friendly formulation allows more working time to uniformly roll or spread across surface.
- ◆ ASTM C 309, Type 1, Class A & B; and, AASHTO M 148, Type 1, Class B. Compliant with USDA requirements for incidental food contact.
- ◆ Product will not gel when exposed to freezing temperatures.
- ◆ Ensures sufficient retention of mix water for at least 72 hours, allowing concrete to develop maximum strength, density and surface hardness.
- ◆ Prevents surface crazing and cracking.
- ◆ Typically dries to a tack free state within one hour and quickly provides protection from rainfall, scuffing and foot traffic.
- ◆ Reduces final clean-up cost by protecting concrete from oil, grease and food spills, as well as mortar or drywall compound discoloration or staining.
- ◆ Second applications, after final clean-up, beautify concrete appearance with a lustrous sheen and reduce after-occupancy maintenance costs.
- ◆ Protects subsequent applications of carpeting from attack by alkaline salts.
- ◆ Compatible with many adhesives used for resilient floor tile coverings, and striping paint.

- ◆ Can be applied to driveways, sidewalks and garage floors as an anti-spalling compound providing resistance to destructive chemical deicing salts.
- ◆ Treated surfaces are readily recoatable when necessary without sanding or scarification.

### ⚠ PRECAUTIONS ⚠

- ◆ Due to solvent odor and 109°F (42.8° C) flash point, CURE & SEAL HG - 100 is only recommended for exterior applications and is NOT recommended for interior or enclosed applications.
- ◆ Do not use on concrete slabs with inadequately drained subgrades, surfaces to be covered with concrete or plaster, or surfaces subject to hydrostatic water pressure.
- ◆ Coating delamination or blistering may occur if applied prior to allowing all surface bleed water to fully evaporate.
- ◆ A moisture saturated subgrade, or a moisture barrier placed beneath the slab to be cured and/or sealed may increase the risk of coating delamination.
- ◆ Do not use in combination with other floor sealers, surface treatments, bondbreakers or adhesives without prior site test to determine compatibility and adhesion.
- ◆ Any variations in concrete surface density may be highlighted by surface mottling after product application. Make test application to determine performance and appearance acceptability.
- ◆ Do not use around sparks or open flame. Provide adequate ventilation.
- ◆ Treated surfaces may become slippery when wet with water or other liquids.
- ◆ Sealed surfaces with daily sunlight exposure will slowly oxidize over time, eventually necessitating reapplication.
- ◆ Not recommended for application to frozen concrete surfaces or when ambient temperatures are below 40° F (4° C) and/or are expected to drop below 40° F (4° C) within 12 hours following application.

### 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 application by the purchaser or installer in advance of field

Cures & Sealers

nox-crete®

chemical solutions to concrete problems

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.

- ◆ Low pressure spray application provides the best results, however, product can be applied with brushes or rollers. Sprayer should be equipped with a 0.5 GPM (1.9 LPM) spray nozzle and chemical resistant hoses and gaskets. Do not thin or dilute.
- ◆ Application rates vary with substrate conditions. Approximate rate for curing is 250 sf / gal. (6.3 sm / L) per application. Approximate rate for sealing is 300 sf / gal. (7.5 sm / L) per application.
- ◆ Application equipment should be cleaned with Nox-Crete's Solvent E or other VOC exempt solvent. (Read vendor's SDS before use.)

#### For Freshly Placed Concrete

- ◆ Apply immediately following final finishing and after disappearance of surface water sheen.
- ◆ Apply to the point of saturation and appearance of continuous surface film.
- ◆ Concrete should be damp but not wet. Avoid over application, puddles or runs.
- ◆ For maximum sealing and dustproofing performance, apply a second coat after concrete has been allowed to thoroughly dry.

#### Previously Cured Concrete

- ◆ If necessary, remove existing curing compounds or chalky sealers with Nox-Crete's DECO-STRIP or DECO-PEEL.
- ◆ Clean and remove all surface contaminants to include; dirt, oil, grease or paint residue with a pressure washer and a detergent solution of trisodium phosphate (TSP).
- ◆ Rinse surface thoroughly with clean water and squeegee or broom off excess water.
- ◆ Allow surface to dry a minimum of 24 hours prior to first application.
- ◆ Apply first coat to the point of saturation and appearance of continuous surface film.
- ◆ If a second coat is necessary, allow first coat to dry for at least 24 hours before applying second coat.

#### MAINTENANCE

- ◆ Wipe up all chemical, solvent or petroleum spills as soon as possible.
- ◆ Remove dirt and debris by sweeping.
- ◆ Wash and buff periodically to help maintain surface luster.
- ◆ Clean damaged coating areas promptly and recoat.

#### TECHNICAL DATA

Color, ASTM D-2300	<0.5
Clarity	Clear
Odor	Solvent
VOC	<100 g / L
VOC Classification	Concrete / Masonry Sealers
Bulk Density	10.51 lbs./gal. (1.26 Kg / L)
Freeze Point	Below -20° F (-29° C)
Flash Point	>109° F (>42° C)
Dry (Dust/Tack Free)	1 hours
Dry (Light Traffic)	12 hours
Dry (Normal Traffic)	24 hours

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

#### PACKAGING

Product is packaged in 5 gal (19 L) and 20 liter pails.

#### SHELF LIFE

Shelf life is two years. 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.

##### 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.

NOX-CRETE makes NO OTHER WARRANTY, either express or implied, concerning this product. There is NO WARRANTY OF MERCHANTABILITY. In no case shall NOX-CRETE be liable for special, indirect or consequential damages resulting from the use or handling of the product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which damages are claimed.

##### INHERENT RISKS

NOX-CRETE MAKES NO WARRANTY WITH RESPECT TO THE PERFORMANCE OF THE PRODUCT AFTER IT IS APPLIED BY THE PURCHASER, AND PURCHASER ASSUMES ALL RISKS ASSOCIATED WITH THE USE OR APPLICATION OF THE PRODUCT.



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