

# CURE & SEAL 1315 A

High solids, solvent based, non-yellowing, acrylic copolymer concrete curing, sealing and dustproofing compound.

Meets Federal VOC Requirements = CURE & SEAL 1315 A  
Meets Lower VOC Requirements = CURE & SEAL 1315 A LOW VOC

## HOW IT WORKS

Applied to freshly placed and finished concrete surfaces, CURE & SEAL 1315 A 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/dustproofer on both previously cured and new rough or smooth finished concrete surfaces.

## ADVANTAGES

- ◆ Specifically designed to meet the moisture retention properties of ASTM C 1315 Type 1, Class A; ASTM C 309; AASHTO M-148; Navdock 13 YF; and CRD C-300.
- ◆ Remains sprayable in 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.
- ◆ Dries to a dust and tackproof state in 30 minutes quickly providing protection from rainfall, scuffing and foot traffic.
- ◆ Reduces final clean-up costs by protecting concrete from oil, grease and chemical spills and from mortar splashing adhesion.
- ◆ Second applications, after final clean-up, beautify concrete appearance with a lustrous sheen and reduce after-occupancy maintenance costs.
- ◆ Protects subsequent applications of carpeting or tile from efflorescence, attack by alkaline salts and dusting.
- ◆ Compatible with most adhesives used for resilient tile floor coverings and concrete paints.
- ◆ Can be applied as an anti-spalling compound providing resistance to destructive chemical deicing salts.
- ◆ Treated surfaces are readily recoatable when necessary without sanding or scarification.

- ◆ CURE & SEAL 1315 A meets all federal VOC requirements. CURE & SEAL 1315 A LOW VOC is VOC compliant in all U.S. states.

## ▲ PRECAUTIONS ▲

- ◆ Do not use on concrete slabs with inadequately drained subgrade, treated surfaces to be covered with concrete or plaster, and/or surfaces subject to hydrostatic water pressures.
- ◆ Coating delamination (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 with other floor sealers, 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 be slippery prior to drying and when wet with water or liquids after drying.
- ◆ When used in exterior applications, coated surfaces will slowly oxidize in time, necessitating reapplication.

## 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 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 scale use is mandatory (irrespective of any other verbal or written representations) to verify that product

CURE & SEAL 1315 A

● Cures / Curing & Sealing Compounds



chemical solutions to concrete problems

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. Spray apparatus should be equipped with an 8008 spray tip and chemical resistant hoses and gaskets. NOX-CRETE'S PERFECT FORM & CONCRETE SPRAYER is recommended for smaller areas. Larger areas are most economically treated with power sprayers.
- ◆ Do not thin or dilute.
- ◆ Application rates vary with substrate conditions. Approximate rate for curing is 250 sf/gal. (6.1 sm/l) per application. Approximate rate for sealing is 300 sf/gal. (7.4 sm/l) per application.
- ◆ Application equipment should be cleaned with aromatic solvents such as xylene or aromatic 100. (Read vendor's MSDS 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 benefits, apply a second coat after final clean-up and when the concrete is dry.

#### **Previously Cured Concrete**

- ◆ Remove all dirt, oil, grease, paint or foreign cure residue with NOX-CRETE'S BIO-CLEAN OR BIO-STRIP and clean with a 10% caustic solution, exercising normal precautions for handling such materials.
- ◆ Rinse thoroughly with clean water and squeegee off excess water.
- ◆ Allow surface to dry 24-48 hours prior to first application.
- ◆ Use moisture meter or adequate material test to verify satisfactory adhesion and appearance.
- ◆ Apply a second application in 24 hours.

#### **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

	Cure & Seal 1315 A	Cure & Seal 1315 A LOW VOC
Color, ASTM D-2300	<0.5	<0.5
Clarity	Clear	Clear
Odor	Solvent	Solvent
VOC	<700 g/l	<700 g/l
VP	<3.0 mmHg @ 250° C	<3.0 mmHg @ 250° C
Bulk Density	7.16 lbs./gal. (859 g/l)	7.16 lbs./gal. (859 g/l)
Freeze Point	Below -20° F (-29° C)	Below -20° F (-29° C)
Dry (Dust/Tack Free)	2 hours	2 hours
Dry (Light Traffic)	12 hours	12 hours
Dry (Normal Traffic)	24 hours	24 hours

**Both** meet the moisture retention properties of ASTM C 1315, Type 1, Class A; ASTM C 309; AASHTO M-148; Navdock 13 YF; and CRD C-300.

## PACKAGING

Product is packaged in 5 gal. (19.0 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, phone (800) 669-2738 or (402) 341-1976.

## 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.