PRODUCT DATA

CURE & SEAL 1200 E

Architectural grade water-based methyl methacrylate acrylic concrete curing and sealing compound.

VOLATILE ORGANIC COMPOUND (VOC) REGULATORY COMPLIANCE

	USEPA	OTC I	OTC II	AZ-MCAQMD	CARB - 2000	CARB - 2007	CARB-20/SCAQMD	CANADA
CURE & SEAL 1200 E	■	■	■	■	■	■	■	■

HOW IT WORKS

Applied to freshly placed and finished concrete surfaces, CURE & SEAL 1200 E creates a vapor seal that minimizes moisture loss through evaporation and allows concrete to develop maximum strength, density, and surface hardness. Successive seal coats can be applied to create a high-gloss, abrasion and chemical resistant surface coating.

APPLICATIONS

- Use as a cure and seal for interim construction protection on freshly placed and finished concrete floors and freshly stripped concrete walls.
- Use as a sealer on existing concrete, terrazzo, brick, or masonry tiles.
- Use on concrete floors to be covered with carpeting to minimize dust formation and dry rot and under vinyl floor covering to improve adhesion of floor covering adhesives.
- Use in interior applications requiring reduced odor or VOC content.
- Ideal for use in manufacturing plants, warehouses, garages, basements, etc.

ADVANTAGES

- Results in a transparent water white high-gloss coating with good oxidation resistance.
- Minimizes concrete crazing and cracking.
- 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.
- Unique formulation develops superior film integrity, affording more consistent and lasting sealing protection. This feature is particularly advantageous when subsequent applications are not intended.
- Non-yellowing and compatible with most adhesives for resilient tile floor coverings and concrete paints.
- Typically dust- and tack- free within 30 - 60 minutes.
- Secondary applications reduce maintenance costs and beautify concrete surfaces with a lustrous sheen.
- Protects carpet and other floor coverings from alkaline concrete salt attack by restricting movement of water soluble salts. Minimizes dry rot, destructive chemical reactions between concrete limes and carpet fabric, and eliminates dust formation under and within carpet or pad.
- Complies with USDA requirements for incidental food contact.
- NSF R2 Nonfood compound certified; Registration No. 172255.
- Green Engineered®—better for health and the environment.
- Meets all federal and state VOC requirements.

⚠ PRECAUTIONS ⚠

- The longevity of CURE & SEAL 1200 E depends on application conditions, exposure (interior vs. exterior), and use conditions.
- Do not use where treated surfaces are to be covered with concrete or plaster, on concrete slabs with inadequately drained subgrade, and/or on surfaces subject to hydrostatic water pressure.
- The existence of a vapor barrier may cause product to blister unless specific application procedures are followed. Contact Nox-Crete for recommendations.
- Do not use in conjunction with other floor sealers, treatments, bondbreakers, or adhesives without prior site test to determine compatibility.
- Product may highlight possible surface variations in colored concrete, resulting in surface mottling. A test application is required.
- Application prior to complete concrete bleeding or to concrete placed over saturated or poorly drained subgrade can result in water-induced product adhesion failure.
- Application over excessively smooth, hard, steel-troweled surfaces may result in reduced coating adhesion.
- Do not apply when air or substrate temperatures are at or below freezing or when such temperatures are expected within 6 hours after application. For best results, apply at substrate temperatures over 55º F (13º C). Applications at lower substrate temperatures above freezing may require extended product cure time.
- Treated surfaces may be slippery prior to drying and when wet with water or liquids after drying.
- Films will oxidize in time in exterior applications.
- 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 that 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 in writing and read thoroughly before product use.
- Site environmental conditions, substrate conditions, and construction can have a major affect 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 product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- The typical application rate is 100 sf/gal (2.5 sm/L) to 200 sf/gal (4.9 sm/L) per coat for rough finished concrete and 200 sf/gal (4.9 sm/L) to 300 sf/gal (7.4 sm/L) per coat for smooth finished concrete.
- Mix well before using. Avoid incorporating air into product. Do not thin or dilute.
- Apply using rollers, squeegees, or low-pressure sprayer followed by backrolling. For best results, use Nox-Crete's PERFECT SPRAYER, followed by a roller to ensure even coverage.
- Apply top coat immediately after previously applied coat becomes tack-free. Existing coats should be sanded with a nylogrit type scrub brush/pad prior to top coating to ensure maximum intercoat adhesion.
- Application equipment should be cleaned with soap and water promptly following use.

FRESH CONCRETE

- Apply immediately following final finishing and after disappearance of surface water sheen. Concrete should be damp, not wet. Apply uniformly to point of saturation and appearance of continuous surface film, avoiding runs, puddles, and over-application.
- Apply to vertical surfaces immediately following form removal.
- A second application should be made following final cleanup for maximum sealing and dustproofing. Surfaces to be retreated should be clean, dry, and adequately sanded to achieve maximum intercoat adhesion.

EXISTING CONCRETE

- Clean concrete to remove any grease, oil, bondbreaker residue, foreign curing compound residue, paint, or other foreign contaminants.
- Clean with 10% caustic solution.
- Acid etch smooth, hard, steel troweled finishes or those evidencing laitance accumulations to provide suitable bonding surface.

MAINTENANCE

- For maximum coating life and performance, wipe up all chemical and petroleum spills as soon as possible and remove abrasive accumulations via sweeping.
- Periodic washing with detergents and buffing help maintain surface luster.
- Damaged areas should be cleaned and recoated.

TECHNICAL DATA

Color, ASTM D-2300	Milky Liquid
Clarity	Emulsion
Odor	Non Descript
VOC	<50 g / L
VOC Classification	Concrete Curing Compound Low Solids
Bulk Density	8.42 lbs. / gal.
Freeze Point	32º F (0º C)
Dry (Dust Tack Free)	1 - 2 Hours (typ.)
Dry (Light Traffic)	24 hours
Dry (Normal Traffic)	36 - 48 hours

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

PACKAGING

Product is packaged in 5 gal (19 L) pails, 20 liter pails, 55 gal (208 L) drums and 200 liter drums.

SHELF LIFE

Shelf life is 1 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.

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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Updated 03/06/26. This version replaces all previous versions.

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