

NOX-CRETE PCS

Maximum performance, chemically reactive, concrete form release agent specifically designed for architectural concrete surfaces.

HOW IT WORKS

NOX-CRETE PCS dries within minutes after application to form a tough, transparent, waxlike film which physically becomes welded to the form surface. Upon contact with cement, it chemically reacts to form a soapy film that allows trapped air and free water to escape during vibration, minimizing surface voids and providing a smooth, uniform concrete finish.

APPLICATIONS

- ◆ Use on steel, high density plastic, fiberglass and HDO, PSF and CBF overlaid plywood forms in precast concrete production.
- ◆ Use where form design creates extended surface area or shallow draft which may cause mechanical bonding/binding.
- ◆ Use where treated forms are subject to heavy rain, foot traffic or other adverse conditions prior to concrete placement.
- ◆ Use with mix designs containing high amounts of fly ash, silica fume or high range water reducers.

ADVANTAGES

- ◆ Produces uniformly white architectural concrete surfaces with substantially fewer surface voids (bugholes).
- ◆ Dries rapidly to form a non-slippery film.
- ◆ Maximum resistance to removal by heavy rain, foot traffic, running water and scouring during placement of concrete.
- ◆ Reduces binding.
- ◆ Remains sprayable in all temperatures.
- ◆ Non-staining.
- ◆ Reduces form cleaning and maintenance costs -- forms become self-cleaning with continued use.
- ◆ Free from conventional form oil, diesel oil or kerosene.
- ◆ Less sensitive to application rate variations than other chemically active form release agents.
- ◆ Does not impair the natural bonding characteristics of subsequently applied paint or other surface coatings with proper surface preparation.

▲ PRECAUTIONS ▲

- ◆ NOX-CRETE PCS exceeds the maximum allowable federal architectural coating VOC for form release agents of 450 g/l. Accordingly, NOX-CRETE PCS is limited to use in shop applications.
- ◆ Do not use on aluminum, medium density overlaid plywood (MDO) or absorbent wood form surfaces. NOX-CRETE'S ALUMI-NOX release agents are recommended for aluminum form surfaces. For medium density overlaid plywood (MDO) or absorbent wood form surfaces, NOX-CRETE FORM COATING is recommended.
- ◆ Certain solvent sensitive plastic, synthetic rubber or foam forms may react adversely to solvents in NOX-CRETE PCS. In such instances, NOX-CRETE PCE or FORM COATING E water based release agents are recommended.
- ◆ Do not store in galvanized containers. Never return unused product to the original factory container as humidity absorbed from air can cause product to gel.

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 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 that product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- ◆ Requires no mixing or diluting.
- ◆ Typical application rate on steel, high density plastic, fiberglass or HDO, PSF and CBF plywood is 3,000 sf/gal. (75 sm/l).
- ◆ Form surfaces should be reasonably clean and dry prior to application.

NOX-CRETE PCS

Form Release Agents



chemical solutions to concrete problems

- ◆ Where architectural or exposed concrete surfaces are involved, extreme care should be given to remove all concrete, rust, mill scale, dirt and existing form oils prior to product application.
- ◆ PCS should be applied in thin films to maximize product performance and economy.
- ◆ Spray application is recommended using THE NOX-CRETE PERFECT FORM & CONCRETE SPRAYER or THE NOX-CRETE PERFECT POWER SPRAYER. Both are equipped with the proper nozzle size to ensure uniform product distribution.
- ◆ Prevent material from contacting reinforcing steel during application or while wet or incompletely cured.
- ◆ Do not over apply. Excess material, runs and puddles can adversely affect performance.

TECHNICAL DATA

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| Bulk Density | 7.2 lbs./gal. (864 g/l) |
| Viscosity, ASTM D88 | 40 SUS @ 100° F (38° C) |
| Pour Point, ASTM D97 | < -10° F (-23° C) |
| Flash Point, ASTM D92 | >100° F min. (38° C) |
| Color, ASTM D1500 | 1.0 |
| VOC..... | <600 g/l |

PACKAGING

Product is 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 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.