



# NOX-CRETE PCE

Maximum performance, biodegradable, water based, chemically active concrete form release agent.

## HOW IT WORKS

NOX-CRETE PCE dries to form a tough, transparent, wax-like 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, rubber, formliners and HDO, PSF and CBF overlaid plywood forms.
- ◆ 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.
- ◆ Use where governmental and/or use conditions prohibit petroleum or solvent vapors for health and/or safety reasons.

## ADVANTAGES

- ◆ 100% biodegradable formulation.
- ◆ Produces uniformly white architectural concrete surfaces with substantially fewer surface voids (bugholes).
- ◆ Provides maximum release and concrete performance with low slump high density (LSHD) and/or superplasticized concrete mix designs.
- ◆ Dries to form a non-slippery film that prevents contamination of prestress cables.
- ◆ Maximum resistance to removal by heavy rain, foot traffic, running water and scouring during placement of concrete.
- ◆ Contains a corrosion inhibitor designed to prevent flash rusting.
- ◆ Reduces binding.
- ◆ Non-staining.
- ◆ Reduces form cleaning and maintenance costs -- forms become self-cleaning with continued use.

- ◆ Less sensitive to application rate variations than other chemically active form release agents.
- ◆ Can be applied to damp forms.
- ◆ Does not impair the natural bonding characteristics of subsequently applied paint or other surface coatings with proper surface preparation.
- ◆ Green Engineered™ – better for health and the environment.
- ◆ Meets all federal and state VOC requirements. Meets the California Air Quality Rule 1113 requirements.

## ▲ PRECAUTIONS ▲

- ◆ Water based, chemically active form release agents are not visible on applied surfaces once dry. This is normal and does not affect release agent performance. After form stripping, a white, powdery film will be present on form surfaces. This causes no adverse affects on the form or the concrete and should not be confused with buildup.
- ◆ Do not use on aluminum, paper, medium density overlays (MDO) or absorbent wood form surfaces. For such applications, use NOX-CRETE FORM COATING or FORM COATING E.
- ◆ Do not use on open cell Styrofoam. For such applications use NOX-CRETE FORM COATING E.
- ◆ Do not dilute. Dilution may cause adverse reaction, separation and render product unsuitable for use.
- ◆ 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.
- ◆ Do not apply if temperature is at or below 32° F (0° C). Freezing temperatures occurring after applied NOX-CRETE PCE has dried does not affect product performance.

## USE INSTRUCTIONS

- ◆ Request current product literature, labels and material safety data sheets from manufacturer and read thoroughly before product use.

NOX-CRETE PCE

Form Release Agents



chemical solutions to concrete problems

- ◆ 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 and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- ◆ Typical application rate on non-porous substrates is 3000 sf/gal. (75 sm/l).
- ◆ Typical application rate on slightly absorbent forms or those with increased surface area is 2200 sf/gal. (55 sm/l) or to the point of saturation and surface rejection.
- ◆ Form surfaces may be dry or surface damp at time of application, but puddles or standing or running water must not be present.
- ◆ Where architectural or exposed concrete surfaces are involved, extreme care should be taken to remove all concrete, rust, mill scale and existing form oils from form surface prior to product application.
- ◆ Mix well before use with NOX-CRETE's drum or pail agitator or other suitable mixing apparatus before use. Always remix prior to each withdrawal from container and immediately prior to each use.
- ◆ Care should be exercised to prevent contact with reinforcing steel and prestressed tendons during the application process.
- ◆ All conventional application methods may be employed, but spray application is recommended using the NOX-CRETE PERFECT FORM AND CONCRETE SPRAYER or PERFECT POWER SPRAYER.
- ◆ Avoid puddles, runs and excessive spray drift.

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### TECHNICAL DATA

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Bulk Density ..... 8.3 lbs./gal. (999 g/l)  
 Freeze Point ..... 32° F (0° C)  
 Flash Point, ASTM D92 ..... >200° F min. (>93° C)  
 Color, ASTM D1500 ..... White Emulsion  
 VOC, ASTM D2369 ..... <150 g/l

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### PACKAGING

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Packaged in 5.28 gal (20 l) bag-in-a-box, 55 gal (208 l) drums and 275 gal (1,041 l) bulk tanks.

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### SHELF LIFE

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Shelf life is one year. Use before the "USE BY" date stated on product packaging.

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### HANDLING/STORAGE

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Store in a dry location within a temperature range between 40° F (4° C) and 100° F (38° C).

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### AVAILABILITY & TECHNICAL SERVICES

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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.

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### LIMITED WARRANTY

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#### 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.