



chemical solutions to concrete problems



# 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, fibreglass, 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 vapours for health and/or safety reasons.

## Advantages

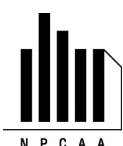
- 100% biodegradable formulation.
- Produces uniformly white architectural concrete surfaces with substantially fewer surface voids (bugholes).
- Provides maximum release and concrete performance with low slump high density (LSHD) and/or superplasticized concrete mix designs.
- Dries to form a non-slippery film that prevents contamination of prestress cables.
- Maximum resistance to removal by heavy rain, foot traffic, running water and scouring during placement of concrete.
- 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.

## 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 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 or dusting.
- Do not use on aluminium, paper, medium density overlays (MDO) or absorbent wood form surfaces. For such applications, use NOX-CRETE 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.
- Do not apply if temperature is at or below 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.
- 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 75 m<sup>2</sup>/litre.
- Typical application rate on slightly absorbent forms or those with increased surface area is 55 m<sup>2</sup>/litre 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 the NOX-CRETE 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.



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- All conventional application methods may be employed, but spray application is recommended using the REID TOTAL SPRAY APPLICATOR with a low pressure 8001LP spray tip.
- Avoid puddles, runs and excessive spray drift.

## Technical Data

Bulk Density	999 grams/litre
Freeze Point	0°C
Flash Point, ASTM D92	>93° C
Colour, ASTM D1500	White Emulsion
Volatile Organic Compound (VOC) Content, ASTM D2369	<150 grams/litre
Vapour Pressure	<1.86 kPa @ 20°C

## Packaging

Packaged in 19 litre / 22 kg pails, 208 litre / 213 kg drums and 1,041 litre / 1,097 kg bulk tanks.

## Shelf Life

One year from date of manufacture in properly stored original factory sealed containers. Use before expiration date stenciled on the container.

## Handling/Storage

Read Material Safety Data Sheet (MSDS) prior to using. Store in dry area away from excessive heat, sparks, and open flame. Protect from freezing. Exposure to freezing temperatures will cause irreversible damage and may render product unusable.

## Availability and Technical Services

For stockists or technical information, please contact Reid on 1300-780-250.

## 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.

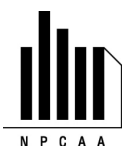
#### WARRANTY LIMITATION

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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