



# FORM CLEAN

Chemically active maintenance coating and concrete form release agent.

- Petroleum Based (450 g/l VOC) Version = FORM CLEAN 450 • Petroleum Based (250 g/l VOC) Version = FORM CLEAN 250 • Water Based Version = FORM CLEAN E

## HOW IT WORKS

FORM CLEAN chemically reacts with concrete on the form surface to prevent hardening of fresh concrete and to soften hardened concrete buildup while also functioning as a release agent.

## APPLICATIONS

- ◆ Use on most form surfaces, such as aluminum, steel, plastic and HDO, PSF and CBF plywood, whenever excessive concrete buildup becomes a problem.
- ◆ Use on forms still in service or on forms in storage.

## ADVANTAGES

- ◆ Reduces concrete buildup when applied immediately after form removal by chemically reacting with the fresh concrete to prevent further hardening while also slowly softening existing hardened concrete buildup.
- ◆ Softened buildup is easily removed using a power washer. (Excessive hardened buildup may require repeated use to soften it enough for power washing.)
- ◆ Applied to forms currently in service, FORM CLEAN acts as a release agent while simultaneously functioning as a maintenance coating.
- ◆ Softens buildup when applied to forms in storage. Can then be reapplied and used as a release agent without any additional cleaning.
- ◆ More economical and less damaging to forms than sandblasting, acid cleaning or scraping.
- ◆ Frequent use helps keep forms clean and free of hardened concrete buildup.
- ◆ Aluminum forms will not need to be reseasoned after using FORM CLEAN.
- ◆ Cannot be removed by normal rainfall.
- ◆ FORM CLEAN 450 and 250 are petroleum based. FORM CLEAN E is water based. FORM CLEAN E is also available in a concentrated version which is shipped in short-filled containers.
- ◆ Petroleum based version is sprayable even at temperatures below freezing (32° F/ 0° C).
- ◆ FORM CLEAN E is Green Engineered™ – better for health and the environment.
- ◆ Available in versions that meet all federal and state VOC 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 effects on the form or the concrete and should not be confused with buildup.
- ◆ Due to its highly reactive nature, FORM CLEAN should only be used as a release agent on new aluminum forms, aluminum forms that have been aggressively cleaned or forms of any type exhibiting concrete buildup.
- ◆ FORM CLEAN E is not intended for application under freezing conditions. (Freezing temperatures have no effect on petroleum based FORM CLEAN.)
- ◆ Protect FORM CLEAN E 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.

## 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.
- ◆ FORM CLEAN E in the concentrated version is shipped in a short-filled container and requires dilution

FORM CLEAN

Form & Equipment Cleaners



chemical solutions to concrete problems

by filling the container to capacity with water and mixing well. FORM CLEAN E should be mixed well before each use. The use of NOX-CRETE'S specially designed drum agitator for mixing 55-gallon drums and tote agitator for mixing 275-gallon totes is recommended.

- ◆ Application rates necessary to optimize performance vary with form composition, condition of the form surface, extent of concrete buildup and ambient temperature.
- ◆ The typical application range for form surfaces with an average amount of buildup is 1,000-1,500 sf/gal (25-37 sm/l).
- ◆ The typical application range for forms with an excessive amount of buildup is 500-1,000 sf/gal (12-25 sm/l).
- ◆ Best results are obtained when FORM CLEAN is applied to form surfaces immediately following form removal.
- ◆ Older buildup generally requires successive applications and takes longer to soften than fresh concrete buildup.
- ◆ Forms in active service generally require six to ten applications of FORM CLEAN applied as a release agent over a two to three week period to fully soften hardened buildup.
- ◆ Forms in storage generally require two to three applications of FORM CLEAN applied as a maintenance coating over a two to three week period.
- ◆ Once all buildup has become adequately softened, the buildup can be easily removed using a 3,000-4,000 psi pressure washer. If buildup is too hard for the pressure washer to remove, additional applications of FORM CLEAN will be necessary until all buildup is sufficiently softened.
- ◆ To minimize future concrete buildup accumulation on cleaned form surfaces, use of NOX-CRETE'S release agents are recommended.

## TECHNICAL DATA

	FORM CLEAN 450	FORM CLEAN 250
Bulk Density.....	7.0 lbs/gal. (.84 kg/l)	7.1 lbs/gal (.85 kg/l)
Flash Point		
ASTM D-92.....	>130° F (55° C)	>130° F (55° C)
Color.....	1.0 - 1.5	1.0 - 1.5
Odor.....	Light	Light
VOC.....	<450 g/l	<250 g/l
Freeze Point.....	N/A	N/A
		<b>FORM CLEAN E</b>
Bulk Density.....		8.2 lbs/gal (.985 kg/l)
Flash Point ASTM D-92.....		>200° F (93° C)
Color.....		Milky
Odor.....		Light
VOC.....		<100 g/l
Freeze Point.....		32° F (0° C)

Updated 02/24/11. This version supersedes all previous versions.

## PACKAGING

Product is packaged in 5 gal (19 l) pails (FORM CLEAN), 5.28 gal (20 l) bag-in-a-box (FORM CLEAN E), 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). Store drums in manner so as to prevent moisture from accumulating on drums heads, as moisture may be drawn into sealed drums during temperature induced volumetric changes of liquid contents.

## 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.

Form Clean (All Versions) p. 2