

PRODUCT DATA

ALUMI-NOX R

Combination chemically active and physical barrier type concrete form release agent for aluminum forms.

VOLATILE ORGANIC COMPOUND (VOC) REGULATORY COMPLIANCE

ALUMI-NOX R 250

ALUMI-NOX R 450

USEPA
OTC I
OTC II
AZ-MCAQMD
CARB - 2000
CARB - 2007
CARB-20/SCAQMD
CANADA

ALUMI-NOX R 250	■	■	■	■	■	■	■	■
ALUMI-NOX R 450	■	□	□	■	□	□	□	□

HOW IT WORKS

ALUMI-NOX R counteracts the affinity aluminum has for concrete through a mild chemical reaction with the oxidation products present on the aluminum surface. These reaction products are metallic soaps which inhibit concrete adhesion.

APPLICATIONS

- ◆ For use on new seasoned and previously used aluminum faced forms to facilitate removal from concrete and minimize form cleaning and maintenance.

ADVANTAGES

- ◆ Petroleum based.
- ◆ Reduces spalling, bugholes and surface voids.
- ◆ Minimizes concrete buildup on form surfaces and panel edges.
- ◆ Sprayable down to 0° F (-18° C) (liquid temperature).
- ◆ Functions well with concrete mix designs that utilize chemical admixtures as well as mineral admixtures, such as fly ash and blast-furnace slag.
- ◆ Available in versions that meet all federal and state VOC requirements.

⚠ PRECAUTIONS ⚠

- ◆ Aluminum form surfaces vary widely in terms of their reactivity with ALUMINOX-R and cement hydration products. Therefore, user is advised to verify satisfactory performance with an adequate test under anticipated conditions.
- ◆ Do not use on forms that have concrete buildup. Nox-Crete's FORM CLEAN should be used for this application.
- ◆ 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.
- ◆ A slight darkening may be observed when this product is stored in polyethylene plastic totes and exposed to ultraviolet radiation from the sun, or other artificial sources.

USE INSTRUCTIONS

- ◆ Request current (verify) 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.
- ◆ Do not dilute.
- ◆ Spray application with Nox-Crete's PERFECT FORM SPRAYER is recommended. The preferred tip is the 8001-LP. Under cool conditions, an 8002-LP tip may be required.
- ◆ Typical application rate on smooth-faced aluminum forms is 1,000-1,200 sf/gal. (25-30 sm/L). Typical application rate on textured aluminum forms, such as brick-patterned surfaces, is 800-1,000 sf/gal. (20-25 sm/L).
- ◆ Apply to clean, reasonably dry forms using care to prevent contact with reinforcing steel. Avoid puddles, runs and excessive spray drift.
- ◆ New, unseasoned aluminum forms should be properly seasoned with Nox-Crete's SEASONOX and FORM CLEAN prior to use.
- ◆ Clean application equipment with mineral spirits.

TECHNICAL DATA

	ALUMI-NOX R 250	ALUMI-NOX R 450
Color, ASTM D-2300	1.0 - 1.5	1.0 - 1.5
Clarity	Clear	Clear
Bulk Density	7.1 lbs./gal. (.852 kg/L)	7.3 lbs./gal. (.872 kg/L)
Flash Point	>150° F (66° C)	>150° F (66° C)
VOC	<250 g/L	<450 g/L
VOC Classification	Form Release Agents	Form Release Agents

Form Release Agents



chemical solutions to concrete problems



COMPLIANT TO NSF/ANSI 61

PACKAGING

Product is packaged in 5 gal (19 L) pails, 20 liter pails, 55 gal (208 L) drums, 200 liter drums, 275 gal (1,040 L) totes and 1,000 liter totes.

SHELF LIFE

Shelf life is two years. 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). To minimize darkening, store all polyethylene plastic totes inside and away from direct sunlight and all other sources of ultraviolet radiation.

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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www.nox-crete.com

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