PRODUCT DATA

RELEASE AGENT #10®

Maximum performance chemically active concrete form release agent specifically formulated for use on dense, non-absorptive forms.

VOLATILE ORGANIC COMPOUND (VOC) REGULATORY COMPLIANCE

	USEPA	OTC I	OTC II	AZ-MCAQMD	CARB - 2000	CARB - 2007	CARB-20/SCAQMD	CANADA
RELEASE AGENT #10 100	■	■	■	■	■	■	■	■
RELEASE AGENT #10 250	■	■	■	■	■	■	□	■
RELEASE AGENT #10 450	■	□	□	□	□	□	□	□
RELEASE AGENT #10B 450	■	□	□	□	□	□	□	□

HOW IT WORKS

RELEASE AGENT #10 (RA #10) reacts chemically with the alkalies in concrete to form a soapy film that allows trapped air and excess water to escape during vibration, minimizing surface voids and providing a smooth, uniform concrete finish. When used on steel, RELEASE AGENT #10 reacts with iron present on the form surface to create a film that minimizes rust formation between pours.

APPLICATIONS

- Use on dense, non-absorptive form surfaces such as steel, plastic, fiberglass, and HDO, PSF, and CBF plywood forms.
- Use on semi-absorptive form surfaces such as MDO plywood.
- Ideal for precast and commercial forming operations where forms see daily use or are subject to aggressive stripping schedules and where architectural concrete surface appearance is a primary objective.

ADVANTAGES

- Greatly minimizes concrete surface voids (bugholes).
- Provides a crisp, positive release.
- Produces uniformly white architectural surfaces.
- Fast drying.
- Minimizes form cleaning and maintenance costs. Forms become self-cleaning with continued use.
- Low viscosity, chemically active formulation allows application at very high coverage rates, reducing costs.
- Non-staining.
- Can be applied up to three weeks in advance of concrete pour.
- Hydrotreated napthenic diluents reduce skin and odor irritations common with traditional solvent or petroleum-based release agents.
- Does not impair the natural bonding characteristics of subsequently applied paint or other concrete surface coatings.
- Contains a flash rust inhibitor that minimizes rust formation between pours.
- Less sensitive to application rate variations than other chemically active release agents.
- Good cold weather sprayability. ASTM D97 pour point: -30° F (-34° C).
- Release Agent #10B - 450 complies with US EPA OPPTS 835.31101 test protocol for inherent biodegradability.

⚠ PRECAUTIONS ⚠

- Do not use on aluminum or absorbent wood form surfaces. Nox-Crete's ALUMI-NOX release agents are recommended for aluminum form surfaces.
- Do not use on any type of foam or rubber form surface. Nox-Crete RELEASE AGENT #10B, FORM COATING E, and BIO-NOX are generally suitable for use on these form surfaces. Conduct a test application to verify compatibility prior to use.
- 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 product literature, labels and safety data sheets from manufacturer and read thoroughly before product use.
- Site environmental conditions, substrate conditions, and concrete mix design 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 production 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 surfaces should be reasonably dry and clean prior to application.
- For architectural or exposed concrete surfaces, remove all concrete build-up, rust, mill scale, and existing form oil residue before application.

Form Release Agents

nox-crete®

chemical solutions to concrete problems

NSF COMPLIANT TO NSF/ANSI 61

- Spray application is recommended using Nox-Crete's PERFECT SPRAYER equipped with the appropriate nozzle size to ensure uniform and consistent product coverage. Refer to Nox-Crete's Sprayer Tip Selection Chart for guidance on spray tip recommendations. Chart can be found in the resource downloads section of the spray tip page at www.nox-crete.com/products/spray-tips
- Typical application range on steel, plastic, and resin-coated wood forms is 2,500 - 3,000 sf / gal. (62 - 75 sm / L).
- Typically application range on semi-absorptive form surfaces such as MDO is 1,000 - 1,500 sf / gal. (25 - 37 sm / L).
- Do not over-apply. Excess material, runs, and puddles can adversely affect performance and should be picked up promptly with rags.
- Prevent material overspray from contacting reinforcing steel and/ or prestressed cables.
- Overspray and application equipment can be cleaned with mineral spirits.

TECHNICAL DATA

	Release Agent #10 - 100	Release Agent #10 - 250	Release Agent #10 - 450	Release Agent #10B - 450
Bulk Density lbs/gal	6.8 (.81 kg / L)	6.8 (.81 kg / L)	7.2 (.86 kg / L)	7.2 (.87 kg / L)
Flash Point - ASTM D-93	> 200°F (93°C)	> 140°F (60°C)	> 140°F (60°C)	> 200°F (93°C)
Color	.05 - 1.0	.05 - 1.0	.05 - 1.0	.05 - 1.0
VOC	100 g / L	250 g / L	410 g / L	300 g / L
VOC Classification	Form Release Agents	Form Release Agents	Form Release Agents	Form Release Agents

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 2 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.

Updated 04/08/26. This version replaces all previous versions.

1444 S. 20th St. • P.O. Box 8102 • Omaha, Nebraska 68108 United States
PHONE: (800) NOX-CRETE (669-2738) or (402) 341-2080