

PRO-RELEASE 3.0

General purpose, water based, concrete form release agent.



VOLATILE ORGANIC COMPOUND (VOC)
REGULATORY COMPLIANCE

USEPA CARB-SCM SCAQMD LADCO, OTC UT-R307, CO MCAQMD CT, MD, DE, D.C., N.Y., MI CANADA

PRO-RELEASE 3.0 ■■■■■■■■

HOW IT WORKS

PRO-RELEASE 3.0 is an economical, water based, general purpose, concrete form release agent that combines both chemically active and barrier-type components for improved performance with most concrete mix designs.

APPLICATIONS

- ◆ Use on steel and fiberglass in precast applications, curb and gutter form and aluminum, plastic and plywood faced handset forms.
- ◆ Use in commercial and residential concrete forming applications.

ADVANTAGES

- ◆ Economical alternative to higher cost specialty type form release agents where cost per gallon considerations outweigh performance requirements.
- ◆ Chemical and barrier components provide improved release for most concrete mix designs, including mixes containing Type 1L Type cement as well as pozzolans such as fly ash or blast furnace slag.
- ◆ Slightly thickened to hold out better on form surfaces and minimize streaks on resulting concrete surfaces.
- ◆ Dries quickly in most conditions
- ◆ Excellent resistance to normal rain showers and dew when product is application is allowed to dry prior to exposure.
- ◆ Low odor, nonflammable, water based formulation is safe to use and meets all federal and state VOC requirements.
- ◆ Green Engineered™ – better for health and the environment.

▲ PRECAUTIONS ▲

- ◆ Do not dilute. Product is supplied in ready-to-use form.
- ◆ Dried applications of PRO-RELEASE 3.0 are slightly less visible on form surfaces than traditional oil based form release agents. This is normal and does not affect release agent performance. After form stripping, a slight white, powdery film may be present on form surfaces. This should not be confused with concrete build-up, nor will it accumulate over successive pours, or interfere with resulting concrete finishes.
- ◆ Not recommended where forms are to be removed in less than 12 hours or prior to concrete achieving a minimum compressive strength of 500 PSI (3.45 MPa).

- ◆ Protect PRO-RELEASE 3.0 from freezing. If allowed to freeze, product packaging can rupture and the emulsion stability of this product may be affected, making it difficult to keep product mixed. Product which is suspected of freezing should not be used.
- ◆ Do not apply PRO-RELEASE 3.0 if air temperature or form surface temperature are at or below 32° F (0° C). Applications of PRO-RELEASE 3.0 that have dried are not affected by freezing temperatures.
- ◆ Allow applied product to completely dry before exposing to rain, dew, or wet concrete. Dry time will vary based on ambient temperature and humidity conditions. Reapply product if treated form surface is exposed to rain prior to drying.
- ◆ Generally not recommended for use in architectural concrete forming applications without verifying performance and concrete appearance with a field-scale mock-up.

USE INSTRUCTIONS

- ◆ Request current product literature, labels and safety data sheets from manufacturer and read thoroughly before product use.
- ◆ Site environmental conditions, concrete mix designs, 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.
- ◆ The typical application rate is 600-800 sf/gal (15 - 20 sm/L) depending upon substrate. Conduct a test application to verify the proper application rate for your use.
- ◆ PRO-RELEASE 3.0 is best applied using a low pressure sprayer. For hand pump spray applications, use Nox-Crete's PERFECT FORM SPRAYER or other suitable sprayers.
- ◆ Avoid over application and remove excess material, runs and puddles with rags or microfiber mop.
- ◆ Prevent material overspray from contacting reinforcing steel and/or tensioning cables.
- ◆ Application equipment and overspray can be cleaned with soap and water.

PRO-RELEASE 3.0

Form Release Agents



chemical solutions to concrete problems

TECHNICAL DATA

Physical Properties	PRO-RELEASE 3.0
Bulk Density	7.94 lbs./gal. (1,090 kg/L)
Flash Point	>200°F (>93° C)
Odor	Pleasant
VOC	<100 g/L

PACKAGING

PRO-RELEASE 3.0 is packaged in 5 gal (19 L) pails and 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

PRO-RELEASE 3.0 should be stored in a dry location within a temperature range of 40° F (4° C) and 100° F (38° C).

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.