



PRO-RELEASE

Chemically active, multi-purpose, water based concrete form release agent.

HOW IT WORKS

Pro-Release 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, including mix designs incorporating pozzolans such as fly ash or blast furnace slag.

APPLICATIONS

- ◆ Use on B-B plywood, plywood faced handset forms and steel.
- ◆ Use in both commercial and residential forming applications.

ADVANTAGES

- ◆ Chemical and barrier components provide improved release for most concrete mix designs, including mixes containing pozzolans such as fly ash or blast furnace slag.
- ◆ Positively prevents concrete buildup accumulation and helps to breakdown existing buildup through regular use.
- ◆ Economical alternative to higher cost specialty type form release agents when cost objectives outweigh performance requirements.
- ◆ Dries fast and is not slippery.
- ◆ Green Engineered™ – better for health and the environment.
- ◆ Resists removal by normal rain showers.
- ◆ Does not contain diesel fuel or kerosene.
- ◆ Also available with WINTER GUARD additive for cold weather application and storage. With WINTER GUARD, PRO-RELEASE can be safely applied at temperatures above 25° F (-4° C) and can be stored at temperatures below 25° F (-4° C) without damaging the emulsion.
- ◆ Low odor, nonflammable, water based formulation is safe to use and meets 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 affects on the form or the concrete and should not be confused with buildup.

- ◆ Not recommended for aggressive stripping schedules where forms are to be removed in less than 12 hours unless artificial heat or accelerating admixtures are used to speed concrete curing.
- ◆ Allow applied product to dry thoroughly before coming into contact with rain or wet concrete. Dry time will vary based on ambient temperature and humidity conditions.
- ◆ Generally not recommended for use in architectural concrete forming applications without verifying performance and concrete appearance with a field-scale mock-up.
- ◆ Protect PRO-RELEASE 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. PRO-RELEASE with WINTER GUARD can be successfully applied at temperatures as low as 25° F (-4° C) and can be stored at temperatures below 25° F (-4° C) without damaging the emulsion. Product must be 25° F (-4° C) or more before use. Do not store at temperatures below -10° F (-23° C).
- ◆ 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.
- ◆ Do not apply PRO-RELEASE if temperature is at or below 32° F (0° C). Applications of PRO-RELEASE that have dried are not affected by freezing temperatures. For application in temperatures as low as 25° F (-4° C), use PRO-RELEASE with WINTER GUARD.

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

PRO-RELEASE

Form Release Agents



chemical solutions to concrete problems

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.

- ◆ Mix product thoroughly before use.
- ◆ The typical application range 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 is most easily applied using a low pressure sprayer. For hand pump spray applications, use NOX-CRETE'S PERFECT FORM AND CONCRETE SPRAYER or the more economical IDEAL FORM AND CONCRETE SPRAYER. Best results are obtained when a uniform application of Pro-Release is applied immediately following form stripping. Allow coated form surfaces to dry prior to placing concrete.
- ◆ Avoid over application and remove excess material, runs and puddles with rags.
- ◆ Prevent material overspray from contacting reinforcing steel and tension cables.
- ◆ Application equipment and material overspray can be easily cleaned with detergent and water.

TECHNICAL DATA

Bulk Density.....	8.2 lbs./gal. (0.98 kg/l)
Flash Point	>200° F (>93° C)
Odor.....	Pleasant
VOC	<20 g/l*
VP	<17 mmHg
*PRO-RELEASE with WINTER GUARD VOC.....	<120 g/l

PACKAGING

Product is packaged in 5.28 gal (20 l) bag-in-a-box and 55 gal (208 l) drums.

SHELF LIFE

Shelf life is one year. Use before the "USE BY" date stated on product packaging.

HANDLING/STORAGE

Long-term storage should be in a dry location within a temperature range between 40° F (4° C) and 100° F (38° C). Short-term storage can be at temperatures below 25° F (-4° C).

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.