UTILITY RELEASE

Super concentrated, chemically active, water based, general purpose concrete form release agent.

HOW IT WORKS

UTILITY RELEASE is an economical, super concentrated concrete form release agent that chemically reacts with the alkalies in concrete to form a slippery soap film that prevents form sticking and concrete buildup on form surfaces.

APPLICATIONS

- Use on bare plywood, plywood faced handset forms and steel.
- 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.
- Chemically active.
- Dries fast and is not slippery.
- Resists removal by normal rain showers.
- Easily diluted and stays mixed well.
- Can be diluted with water, kerosene or fuel oil.
- Variable dilution rate allows user the freedom to maximize product performance on many different forming substrates by simply adjusting the diluent mix ratio.
- Performs well on plywood and steel form surfaces.
- Reduces form maintenance costs by reducing concrete buildup.
- Can also be used as a form maintenance coating to soften concrete buildup on forms and equipment by simply reducing the dilution ratio.
- Will not freeze unless diluted with water.
- Low odor - does not contain fuel oil.
- Nonflammable.
- Green Engineered™ – better for health and the environment.
- 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 where forms are to be removed in less than 12 hours, unless artificial heat is used to hasten concrete cure.
- UTILITY RELEASE is not freezable unless diluted with water. If diluted with water and allowed to freeze, product may be rendered unsuitable for use.
- Do not use in the manufacture of architectural concrete without prior approval of a field-scale mock-up.
- Protect coated form surfaces from rain for a minimum of 2 hours or until UTILITY RELEASE has dried.
- Diluting UTILITY RELEASE with a petroleum distillate such as kerosene or fuel oil may result in exceeding federal or state VOC regulations. Contact NOX-CRETE for specific information concerning your application.

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 surfaces do not have to be completely dry in order to apply UTILITY RELEASE. Small quantities of water on the form surface, such as dew, will not affect its performance.
- UTILITY RELEASE must be diluted prior to use. Product may be diluted with water, kerosene or fuel oil (see PRECAUTIONS). Typical dilution rate is one part UTILITY RELEASE to seven parts diluent, or in other words, one quart UTILITY RELEASE to seven

quarts diluent; one gallon UTILITY RELEASE to seven gallons diluent; etc.

- To simplify dilution of UTILITY RELEASE with water, use NOX-CRETE'S MIX STATION which provides accurate, dependable and economical dilution and mixing performance. Comes equipped with mixing plugs to accommodate varying product temperature conditions. See chart below.
- UTILITY RELEASE is most easily applied using NOX-CRETE'S low pressure, hand pump THE PERFECT FORM & CONCRETE SPRAYER or THE IDEAL FORM & CONCRETE SPRAYER. Best results are obtained when a uniform application of UTILITY RELEASE is applied to all form surfaces. Allow coated form surfaces to adequately dry prior to placing concrete.
- Application rate required is a function of form composition, surface texture and porosity. It should be verified with test application. Typical range is 400-2,000 sf/gal. (10-50 sm/l).
- Do not over apply. Excess material, runs and puddles can adversely affect performance and should be picked up promptly with rags.
- Ambient form surface temperature must be in excess of 32^0 F (0^0 C) to prevent product from freezing if diluted with water.
- Prevent material overspray from contacting reinforcing steel and/or tensioning cables.
- Application equipment and overspray can be cleaned with soap and water.
- For use as a maintenance coating, dilute one part UTILITY RELEASE to three parts water or other diluent.

TECHNICAL DATA

Bulk Density	7.7 lbs./gal. (0.92 kg/l)
Flash Point	>200° F (>93° C)
Color	1.5
Odor	Pleasant
VOC	<150 g/l
VP	<10.0 mmHg

PACKAGING

Product is packaged in 1 gal. (3.8 l) jugs, 5 gal. (19 l) pails 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

Store in a dry location within a temperature range between 40^0 F (4^0 C) and 100^0 F (38^0 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.

Mix Station Plug Chart

TO ENSURE PROPER DILUTION RATIO, SELECT THE PROPER MIXING PLUG BASED ON THE ACTUAL TEMPERATURE OF THE PRODUCT. PRODUCT TEMPERATURE AND AMBIENT TEMPERATURE ARE NOT NECESSARILY THE SAME.

Release Agent Use

7:1 Recommended Dilution Ratio

Plug #	Product Temperature
2	40^0 F (4.4^0 C) - 52^0 F (11^0 C)
1	52^0 F (11^0 C) - 85^0 F (29.4^0 C)

Maintenance Coating Use

2:1 Recommended Dilution Ratio

Plug #	Product Temperature
Remove Plug	40^0 F (4.4^0 C) - 85^0 F (29.4^0 C)

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