

PRECAST RELEASE #80



Chemically active and physical barrier type concrete form release agents specifically formulated for precast applications.

Petroleum Based (VOC 450 g/L) - PRECAST RELEASE #80 - 450

Petroleum Based (VOC 250 g/L) - PRECAST RELEASE #80 - 250

HOW IT WORKS

Precast Release #80 (PR 80) is both a chemically active and a physical barrier type form release agent. It chemically reacts with the alkalis in concrete to form a slippery soap film which prevents buildup on form surfaces. PR 80 also forms a physical barrier that provides a crisp release for most precast applications, including steam-cured concrete with early strip schedules.

APPLICATIONS

- ◆ Use on steel, plastic, fiberglass and HDO, PSF and CBF overlaid plywood forms in precast applications.
- ◆ Provides exceptional results in steam-cured precast concrete applications.
- ◆ Ideal for use with problematic precast concrete mix designs incorporating high amounts of cement, fly ash, silica fume or high range water reducers.

ADVANTAGES

- ◆ Greatly minimizes concrete surface voids (bugholes).
- ◆ Provides a crisp, positive release.
- ◆ Enables user to easily achieve uniformly white architectural surfaces.
- ◆ Fast drying.
- ◆ Minimizes form cleaning and maintenance costs. Forms become self-cleaning with continued use.
- ◆ Low viscosity allows application at very high coverage rates, reducing costs.
- ◆ Non-staining.
- ◆ PR 80 250 & PR 80 450 contain a rust inhibitor that minimizes development of rust on forms.
- ◆ Does not impair the natural bonding characteristics of subsequently applied paint or other concrete surface coatings.
- ◆ PR #80 450 and PR #80 250 are petroleum based.
- ◆ Sprayable down to 0° F (-18° C) (liquid temperature).
- ◆ All versions are Inherently Biodegradable.
- ◆ PR 80 450 is federal VOC compliant. PR 80 250 is Canadian, OTC and LADCO VOC compliant.

▲ PRECAUTIONS ▲

- ◆ Do not use on aluminum, medium density overlaid plywood (MDO) or absorbent wood form surfaces. Nox-Crete's Alumi-Nox release agents are recommended for aluminum form surfaces. For medium density overlaid plywood (MDO) or absorbent wood form surfaces, Nox-Crete Form Coating is recommended.
- ◆ Certain solvent-sensitive plastic, synthetic rubber or foam forms or formliners may react adversely to solvents in PR 80. In such instances, PCE, Bio-Nox or Nox-Crete Form Coating E water based release agents are recommended.
- ◆ Applications to nonabsorbent plastic or fiberglass forms may be subject to removal by heavy rain. In such instances, the use of PCE is recommended.
- ◆ 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.

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 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 buildup, rust, mill scale and existing form oil residue before application.
- ◆ Spray application is recommended using the Nox-Crete Perfect Form & Concrete Sprayer or the Nox-Crete Perfect Power Sprayer. Both are equipped with the proper nozzle size to ensure uniform product distribution.

PRECAST RELEASE #80

Form Release Agents



chemical solutions to concrete problems

- ◆ Typical application range on steel, plastic and resin coated wood forms is 2,500-3,000 sf/gal. (62-75 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

Bulk Density	
PR #80 450	7.1 lbs/gal (0.85 kg/L)
PR #80 250	7.2 lbs/gal (0.86 kg/L)
Flash Point, ASTM D-93	
PR #80 450 & 250	>140° F (60° C) PMCC
Color, ASTM D-1500	
PR #80 450 & 250	<1.0
VOC	
PR #80 450	<450 g/L
PR #80 250	<250 g/L

PACKAGING

Packaged in 5 gal (19 L) pails, 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

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