



chemical solutions to concrete problems



PRECAST RELEASE #80E

Chemically active and physical barrier type concrete form release agent for precast applications.

How it works

PRECAST RELEASE #80E (PR#80E) is both a chemically active and a physical barrier type water based form release agent. It chemically reacts with alkalis in concrete to form a slippery soap film which prevents buildup on form surfaces. PR#80E 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, fibreglass 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 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.
- Does not impair the natural bonding characteristics of subsequently applied paint or other concrete surface coatings.
- PR#80E is Green Engineered™ - better for health and the environment.
- Less sensitive to application rate variations than other chemically active form release agents.
- Fast drying formulation allows early bed traffic and stringing of reinforcing strands.
- Green Engineered™ – better for health and the environment.

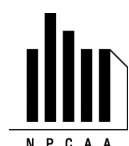
Precautions

- 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 build-up or dusting.

- Do not use on aluminium, medium density overlaid plywood (MDO) or absorbent wood form surfaces. For MDO or absorbent wood form surfaces, FORM COATING E is recommended.
- Applications to non-absorbent plastic or fibreglass forms may be subject to removal by heavy rain. In such instances, the use of NOX-CRETE PCE is recommended.
- PR#80E is not intended for application under freezing conditions.
- Protect PR#80E 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 suspected of freezing should not be used.
- 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 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.
- 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.
- Typical application rate on steel, plastic or resin coated wood forms is 62-75m²/litre.
- PR#80E should be well mixed before each use. Use of the NOX-CRETE drum agitator for mixing 200lt drums is recommended.
- Spray application with a low pressure sprayer like the REID TOTAL SPRAY APPLICATOR DELUXE is recommended, using a 8001 LP tip at 3 bar (44psi) or an 80005 tip at minimum 5 bar (73psi).
- Do not over apply. Excess material, runs, and puddles can adversely affect performance and should be removed with rags.
- Prevent material overspray from contacting reinforcing steel and/or prestressed cables.
- Clean overspray and application equipment with mineral spirits.



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CONCRETE INSTITUTE OF AUSTRALIA

Technical Data

Colour ASTM D-1500	Milky White
Bulk Density	970 grams/litre
Freeze Point	0°C
Flash Point ASTM D-93	>94°C PMCC
Volatile Organic Compound (VOC) Content	<250 grams/litre

Packaging & Product Codes

Packaged in:

- 20 litre / 19.4 kg pails: PR80E05
- 200 litre / 194 kg drums: PR80E55.

Shelf Life

One year from date of manufacture in properly stored original factory sealed containers. Use before expiration date stenciled on the container, and listed on product label.

Handling/Storage

Read Material Safety Data Sheet (MSDS) prior to using. Store in dry area away from excessive heat, sparks, and open flame. Protect from freezing. Freezing may cause irreversible damage and may render product unusable.

Store in a dry location within a temperature range between 4°C and 38°C.

Availability and Technical Services

For stockists or technical information, please contact Reid on 1300-780-250.

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.

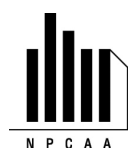
WARRANTY LIMITATION

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.



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