nox-crete™
chemical solutions to concrete problems

Green™ ENGINEERED

NOX-CRETE FORM COATING E

The world's FIRST chemically active concrete form release agent.

How it works

NOX-CRETE FORM COATING E chemically reacts instantly upon contact with fresh concrete, positively preventing bonding with the form surface. Byproducts of this chemical reaction waterproof wood forms, greatly extending their useful life. Reacts with steel forms to produce iron soaps, minimising the formation of rust.

Applications

- Gives exceptional and unduplicated results on non-overlaid plywood, dimensional lumber and MDO plywood forms and plywood faced handset forms.
- Designed for use on most all forms, including wood, steel and plastic.

Advantages

- A proven performer since its introduction in 1956 as the world's first chemically active form release agent.
- Substantially reduces concrete surface voids (bugholes) and will not stain concrete surfaces when properly applied.
- Provides easy, crisp positive release and eliminates the need for pry tools, minimising form stripping damage.
- Minimises concrete buildup and dramatically reduces form maintenance costs since forms require little, if any, cleaning.
- Extends the life of wood forms by reducing the absorption of destructive alkaline bleed water.
- Drys on form surfaces and is not slippery.
- Prevents accumulation of dust and resists removal by normal rain showers.
- Concrete surfaces are free of residue and the natural bonding characteristics of paints, plasters, mortars, epoxies and other surface coatings are not affected when NOX-CRETE FORM COATING E is properly applied.
- Softens and removes thin scale pre-existing concrete buildup through repeated use.
- When applied to the metal edges of modular hand-set forms, forms become self cleaning through use, significantly reducing erection time.
- Sprays easily at all temperatures.
- NOX-CRETE FORM COATING E is 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 buildup or dusting.
- Do not use on plaster waste moulds without first applying a suitable sealer.
- Do not use when forms are to be removed in less than 12 hours unless artificial heat is used to accelerate concrete cure.
- Application to non-reactive, nonabsorbent plastic or fibreglass forms may be subject to removal by heavy rain. In such exposure situations, the use of NOX-CRETE PCE is recommended.
- Prevent contact with reinforcing steel. Removal may be accomplished with mineral spirits or naptha.
- Conduct a test application to verify compatibility.

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.
- NOX-CRETE FORM COATING E is ready to use. Do not dilute. NOX-CRETE FORM COATING E should be well mixed before use and before each withdrawal from original container. Use the NOX-CRETE drum agitator for mixing 55-gallon drums and tank agitator for mixing 275-gallon bulk tanks.
- Typical application rate for non-porous form surfaces such as steel, plastic, high density plywood or PRE-FORM or other resin coated plywood is 75m^2/litre.
- Typical application rate for semi-porous form surfaces such as medium density plywood and paper column forms is 37-50m^2/litre.
- Typical application rate for porous form surfaces such as non-overlaid or unsealed plywood is 25m^2/litre.
- Typical application rate for very porous form surfaces such as dimensional lumber, rough sawn lumber and striated plywood is 20m^2/litre.

- Form surfaces should be reasonably dry and clean of buildup, rust, mill scale and any existing form oil prior to application. Replace damaged panels prior to treatment.
- Apply in thin films to maximize product performance and economy.
- Spray application is recommended using THE NOX-CRETE PERFECT FORM & CONCRETE SPRAYER with a low pressure 8001LP spray tip, to ensure uniform product distribution.
- Excess material in the form of puddles, etc., should be picked up with rags.

Technical Data

Bulk Density	980 grams/litre
Viscosity, ASTM D-88	32 SUS @ 38°C
Pour Point, ASTM D-97	N/A
Flash Point, ASTM D-93	94°C PMCC
Colour, ASTM D-1500	Milky White
Volatile Organic Compound (VOC) Content	<150 grams/litre
Vapour Pressure	<2.13 kPa @ 20°C

Packaging

Product is packaged in 19 litre steel pails, 208 litre steel drums and 1,041 litre bulk tanks.

Shelf Life

One year from date of manufacture. Use product before date indicated on container.

Handling/Storage

Read Material Safety Data Sheet (MSDS) prior to using. To prevent contamination, product in storage should be tightly closed and stored in a horizontal or covered position to preclude moisture accumulation on container's head. Do not store in galvanised or plasostic containers.

NOX-CRETE FORM COATING E is water based and must be protected from freezing. Exposure to freezing temperatures will cause irreversible damage and may render product unusable.

Availability and Technical Services

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