

CLEAR PRE-FORM

High performance, transparent, penetrating polyurethane sealer for wood concrete forms.

HOW IT WORKS

Applied to new and non-overlaid wood surfaces, CLEAR PRE-FORM penetrates the soft grain areas and reacts with the cellulose molecules present, forming a strong chemical bond. Adjacent semiporous hard grain areas also react, but to a lesser extent. This creates a uniform, flat wood appearance in resulting concrete.

APPLICATIONS

- ◆ Use as a cost effective alternative to overlaid plywood in terms of availability, cut waste, size and other factors.
- ◆ Use where panel reuse objectives do not justify cost of overlaid plywood, yet exceed reuse capabilities of plyform.
- ◆ Use on plywood and other wood forms to achieve consistently smooth, planar concrete with uniform color and without grain pattern telegraphing.
- ◆ Use in single coat applications to preserve the natural texture of rough sawn or embossed boards/panels, minimize moisture uptake and swelling/warping, promote clean crisp release and permit extended reuse.
- ◆ Use on form panels where concrete is to be mechanically textured (sand/water blast, bush hammer, etc.) to ensure uniform concrete density and strength.
- ◆ Use in tilt-up construction where wood form headers and chamfer and reveal strips are used and prevention of wood sugar migration and grain transfer to architectural concrete surfaces is critical.
- ◆ Use when form surface set retarders are to be used to etch or expose concrete aggregate to provide a uniform, nonabsorbent surface for retarder application.

ADVANTAGES

- ◆ Reduces form costs where design requires dense, sound, uniformly colored concrete or where extended panel reuse is required because budgets do not allow for overlays or form liners.
- ◆ Minimizes rough, porous, excessively dusty concrete surfaces caused by the dissolution of alkaline soluble substances present in plywood, Masonite, particle board, waferboard, oriented strand panels and smooth and rough sawn dimensional lumber.

- ◆ Ready to use.
- ◆ Produces a uniform “wet look” on plywood substrates when the proper application rate (quantity) is achieved. This speeds application time and assures application uniformity.
- ◆ Rapid cure, tack free in 15 minutes @ 70° F (20° C), facilitates outside open air application and application directly to prefabricated formwork. The “treated” side of panels is readily apparent to erection crews assuring proper installation and/or separation from unsealed panels.
- ◆ Treatment of one side of the panel permits use of economical AC or BC exterior plywood and results in a surface that will typically out last panel edges.
- ◆ Successive application(s) of CLEAR PRE-FORM will result in surface coating accumulations that typically mask all grain texture.
- ◆ Meets all federal and state VOC requirements.

PRECAUTIONS

- ◆ Do not use on form lumber or panels that are wet or have been previously sealed or oiled with release agents without a trial application to determine satisfactory cure, adhesion and performance. (CLEAR PRE-FORM can typically be applied to “mill oiled” plywood, although penetration and performance may be reduced.)
- ◆ Product may be slippery following release agent application and/or when wet.

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 impact 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.

CLEAR PRE-FORM

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form sealers



chemical solutions to concrete problems

- ◆ Typical application rate on standard plywood panels is 200 sf/gal. (5 sm/l).
- ◆ Apply in a well ventilated area away from open fire or flame.
- ◆ Avoid breathing vapor for extended periods.
- ◆ Do not apply in direct sunlight. Apply in shade or when sun is at low angle. (Early morning or late afternoon.)
- ◆ Do not apply in temperatures below 40° F (5° C).
- ◆ Wood should be clean, dry and free from dust, dirt or foreign matter.
- ◆ Product should be SPREAD (NOT PAINTED) with a brush or specially designed 18" CLEAR PRE-FORM Roller Applicator to allow material to penetrate and saturate the substrate. AVOID OVERWORKING APPLIED MATERIAL WHICH CAN INCORPORATE AIR AND LEAD TO FILM BUBBLING. Generally one application to the point of saturation and surface rejection will produce desired results.
- ◆ If spray application is used, be certain to use low pressure coarse nozzles and promptly back roll product into substrate pores and crevices.
- ◆ IMPORTANT: Treated panels should be kept horizontal for a few minutes to allow coating to penetrate. Sealed panels should then be allowed to cure on edge for 36 to 48 hours with air space between panels.
- ◆ CAUTION: Do not stack panels horizontally on top of each other until the applied product has fully cured, including all runs and drips. Premature stacking can cause panel bonding.
- ◆ Unused material in roller pans should not be returned to original container.
- ◆ Application equipment should be cleaned immediately following use with NOX-CRETE SOLVENT B, xylene or suitable, local VOC compliant solvent.
- ◆ After application, wash hands thoroughly with PRE-FORM SOLVENT and then with soap and water.
- ◆ Where a smooth, glossy form surface is desired or where concrete surface appearance is critical, a second coat should be applied at right angles to the first to ensure complete surface coverage. Apply the second coat within 2 hours of the initial coat. If time between coats is greater than 2 hours, a light sanding is recommended between coats.
- ◆ Before all concrete pours, apply a suitable release agent. NOX-CRETE PCS, PCE, NOX-CRETE FORM COATING or FORM COATING E is recommended at a rate of approx. 3000 sf/gal. (75 sm/l).
- ◆ Unsealed panel or lumber backsides should be treated with a release agent for balance purposes to minimize warp and to prevent splashing adhesions which can damage sealed/coated faces on loose panel stacking.

TECHNICAL DATA

Mix Ratio	Single Component
Pot Life	Greater than 4.0 hrs @ 70° F (20° C)
Bulk Density	0.95 g/l
VOC, Waterproofing sealer	<600 g/l
VP	<25 mmHg @ 20° C

PACKAGING

Packaged in 5 gallon (19 l) / 44 lbs. (20 kg) steel pails.
 CLEAR PRE-FORM C is packaged in 5 gallon (19 l) / 45 lbs. (20.4 kg) steel pails.

SHELF LIFE

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

HANDLING/STORAGE

Containers should be kept tightly capped and stored in an inverted position. Keep away from open flame and excessively high temperatures.

AVAILABILITY & TECHNICAL SERVICES

In addition to corporate offices in Omaha, Nebraska, NOX-CRETE Products Group also 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.

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