

PRE-FORM HB

High build, pigmented, solvent-free, polyurethane coating for wood concrete forms.

HOW IT WORKS

PRE-FORM HB chemically bonds with wood surfaces, forming a hard, durable coating that improves the appearance of formed concrete surfaces and extends the life of plywood forms.

APPLICATIONS

- ◆ Use in gang plywood forming applications to create planar and monolithic concrete surfaces.
- ◆ Use on precast plywood forming tables.
- ◆ Use in precast operations to seal plywood fill-ins for extending steel and fiberglass forms.
- ◆ Use to resurface worn or damaged handset plywood forms.
- ◆ Use on plywood and other wood forms to achieve consistently smooth concrete with uniform color and without grain pattern telegraphing or wood sugar related concrete retardation or dusting.
- ◆ Can also be used to resurface badly pitted steel forms in architectural precast applications.

ADVANTAGES

- ◆ Reduces form costs where design requires dense, sound, uniformly colored concrete or where extended panel reuse is required.
- ◆ Minimizes rough, porous, excessively dusty concrete surfaces caused by the dissolution of alkaline soluble substances present in plywood, medium density fiberboard (MDF), particle board, oriented strand board (OSB) and smooth and rough sawn dimensional lumber.
- ◆ Greatly extends the life of plywood forms beyond that achieved with clear sealers by providing protection from damage caused by concrete placement (i.e., abrasion, vibration, etc.) weather and form handling.
- ◆ Allows the use of lower face grade plywood, saving on forming costs.
- ◆ Substantially reduces and often eliminates patching and sacking of formed concrete surface imperfections.
- ◆ Superior resistance to vibrator burns compared to low build clear sealers.

- ◆ 100% solids, solvent-free. Eliminates the flammability risks associated with solvent based clear sealers and is safe to apply indoors.
- ◆ Self-leveling.
- ◆ Easily repaired.
- ◆ Typically tack free in 4-6 hours @ 70° F (20° C).
- ◆ 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.
- ◆ 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.
- ◆ Typical application rate on bare plywood surfaces is 30-50 sf/gal. (0.75-1.25 sm/l).
- ◆ 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.
- ◆ Mix component A well by stirring with a slow speed mixer for 2-3 minutes. Add component B and mix again. Avoid incorporating air. Ideal mixing equipment



chemical solutions to concrete problems

is a variable speed, heavy-duty drill fitted with a slotted, flat-headed paddle mixer. Drill should be operated at a slow speed that does not exceed 400 rpm. Keep mixer submerged in product at all times to minimize incorporating air. While mixing, work mixer up and down and throughout the liquid to ensure proper mixing.

- ◆ PRE-FORM HB should be SPREAD (NOT PAINTED) with a serrated squeegee and then rolled with a spiked roller to release entrapped air. AVOID OVERWORKING APPLIED MATERIAL WHICH CAN INCORPORATE AIR AND LEAD TO FILM BUBBLING.
- ◆ IMPORTANT: Treated panels should be kept horizontal until tack free, approximately 4-6 hours @ 70° F (21° C). Air temperatures affect cure time, but panels are generally fully cured after 48 hours.
- ◆ Unused material in roller pans should not be returned to original container and cannot be used at a later date.
- ◆ Application equipment should be cleaned immediately following use with NOX-CRETE SOLVENT B.
- ◆ Before placing concrete against PRE-FORM HB coated form surfaces, apply a suitable release agent prior to each pour. NOX-CRETE PCS, PCE, NOX-CRETE FORM COATING or FORM COATING E are recommended at an application rate of approx. 3000 sf/gal. (75 sm/l).

TECHNICAL DATA

Mix Ratio 3:1
Pot Life Greater than 4.0 hrs @ 70° F (21° C)
Bulk Density 1.29 g/l
VOC, Waterproofing sealer <10 g/l
VP <10 mmHg @ 20° C

PACKAGING

Packaged in 1.8 gal (6.8 l) and 4.5 gal (17 l) kits composed of components A and B combined.

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 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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