

### HOW IT WORKS

In contrast to most conventional bondbreakers, NX EZYLIFT does not contain any wax or hydrocarbon resins and, as a result, does not depend on a physical barrier deposited on top of the casting slab to prevent bonding. Instead, NX EZYLIFT is formulated with organic compounds that react chemically with excess limes present in the concrete surface to form metallic soaps which, when properly applied, prevents wall panel sticking. Site cast wall panels separate easily and completely without the need for pry bars or wedges commonly used with membrane-forming bondbreakers.

### APPLICATIONS

- Use as a bondbreaker in tilt-up, lift slab and precast concrete construction when weather conditions do not allow for the use of water-based products.

### ADVANTAGES

- Being chemically active and highly effective, NX EZYLIFT supplies part of the reaction product necessary for clean separation and the concrete provides the remaining portion. The amount of NX EZYLIFT necessary to achieve the proper cure and bondbreaking function is typically less when compared to the use of hydrocarbon resin or wax type bondbreakers. The savings in application time and material costs make NX EZYLIFT more economical to use than competing bondbreakers, irrespective of unit costs.
- NX EZYLIFT is an excellent value-engineered alternative when protection from the "osmotic effect" is not required.
- Achieves exceptional wall panel surface appearance.
- Leaves no residue or resulting staining on wall panel or casting slab floor surfaces when properly applied.
- Achieves a crisp, positive release that minimizes panel surface defects and reduces panel resurfacing/patching costs.
- Does not contain any wax or hydrocarbon resins like many conventional bondbreakers that often leave a difficult-to-remove residue on wall panel and casting slab surfaces. When this residue is not properly removed, it often causes floor and exterior wall panel paint and coating adhesion problems.
- Because it is solvent based, NX EZYLIFT dries faster than the water-based version NX EZYLIFT WB and is not affected by high humidity.
- Excellent resistance to washoff from normal rain showers and dew when applied directly to previously uncoated concrete surfaces.
- Dust, dirt and mud can be easily removed from casting slab floor surfaces by washing with low-pressure water.
- Resistant to sunlight-induced oxidation damage that can necessitate the reapplication of competitive bondbreakers even when panel concrete placement is delayed a few days.

### ▲ PRECAUTIONS ▲

- Not recommended for use as a bondbreaker on broom-finished or rough-finished concrete surfaces.
- Not recommended for application over any other manufacturer's inorganic silicate-based floor sealer, hardener or organic resin-based curing, sealing or combination cure and seal product. Failure to follow this recommendation can result in panel surface defects or panel sticking.
- If a delay of more than 2 weeks occurs between the final bondbreaker application coat and panel concrete placement, it will be necessary to check for a sufficient bondbreaker film on the casting slab. If the bondbreaker film is insufficient, the bondbreaker must be reapplied as necessary before concrete placement.
- 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.
- Not recommended for application over or in conjunction with any other manufacturer's tilt-up bondbreaker.
- Not recommended for application in the rain or if rain is anticipated within 2 hours of application. Surfaces exposed to rain or running water within this time period will require reapplication.
- It is not recommended to use a pressure washer to clean the casting/floor slab surface after the application of NX EZYLIFT and prior to the wall panel concrete being placed. If necessary, a low-pressure garden hose with a non-aggressive spray nozzle may be used to remove contamination and debris prior to placing wall panel concrete.
- Not recommended for bondbreaker application to casting slab surfaces previously cured with polyethylene or curing blankets without first removing all salt deposits. Failure to remove all salt deposits can result in panel surface blemishes or defects.
- Not recommended for application to casting slab surfaces that are frozen or when ambient temperatures are below 40° F (4° C) or expected to drop below 40° F (4° C) within 12 hours following application.
- Not recommended for application without the proper sprayer and correct spray tip. See USE INSTRUCTIONS for specific sprayer and tip size recommendations.
- Not recommended for use in tilt-up applications where casting slab or panel concrete mix design incorporates pozzolans, such as fly ash, without first contacting Nexus for specific recommendations regarding application procedures and rates. Failure to do so may result in panel surface blemishes and/or panel sticking.

## USE INSTRUCTIONS

- Request current product literature, labels and safety data sheets from Nexus 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.
- Recommended spray tip sizes are 8003-LP, 8004-LP and 8005-LP. The coarser (8005-LP) spray tip should be used on porous casting slab surfaces where additional bondbreaker is necessary to ensure sufficient film holdout. Use the less coarse (8003-LP) spray tip for application on less porous casting slab surfaces. The use of an improper sprayer and/or incorrect spray tip generally results in either over or under application.
- NX EZYLIFT should be applied in accordance with recommended procedures to achieve even and uniform coverage. Equipment should be clean and dry prior to use.
- Typical drying time is 30 minutes to 3 hours, but varies with the presence or absence of a moisture barrier beneath the casting slab, climatic conditions and application rate. Extended drying times in excess of 24 hours are possible when product is applied heavily during cool weather and a moisture barrier is present. Reducing the application rate and applying in multiple thin coats in lieu of one heavy coat will greatly reduce drying time.
- Avoid scouring the casting slab surface during panel concrete placement by using a deflection board.

## BONDBREAKER APPLICATION

- Casting slab areas should be well cured, smooth and dense.
- Remove all dust, dirt, saw cut residue, standing water and other contaminants prior to applying bondbreaker coats with a broom, leaf/air blower or low-pressure garden hose. Do not pressure wash the surface.
- The number of bondbreaker coats and related application rate required to achieve complete, uniform coverage of casting slab varies with concrete mix design, placing and finishing procedures, weather conditions, etc. Because of this, it is not possible to prescribe application rates or procedures inclusive of all site variables.
- Best results are obtained when successive coats of NX EZYLIFT are applied at right angles (perpendicular) to each other.
- An adequate application is indicated by the presence of a dry, soap-like feel uniformly apparent to touch over the entire treated area with no indication of greater accumulations in

low spots or depressions. Following bondbreaker application and immediately prior to panel concrete placement, be certain casting slab surfaces evidence the dry soap-like feel, but do not evidence over application of NX EZYLIFT as indicated by a slippery or grease-like feel to the touch. Over application may result in retardation of panel skin or dusting, surface irregularities and/or discoloration, as well as unreacted bondbreaker residue on panel and floor surfaces.

- Typically, casting slab surfaces that are more porous, resulting from conditions such as improper curing, the addition of pozzolans such as fly ash or that received a more open or less tight finish, will require more NX EZYLIFT than slab surfaces that are less porous.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EVALUATE THE VARIOUS CONDITIONS ON EACH PROJECT AND TO DETERMINE THE CORRECT APPLICATION RATE OF THE NX EZYLIFT BONDBREAKER COATS. IF UNSURE, CONTACT NEXUS FOR SPECIFIC RECOMMENDATIONS.
- CAUTION: THE PRIMARY REASON FOR PANELS STICKING TO CASTING SLABS IS AN INADEQUATE FILM OF BONDBREAKER ON THE CASTING SLAB SURFACE AT THE TIME OF PANEL CONCRETE PLACEMENT. IT IS YOUR RESPONSIBILITY TO VERIFY THAT A CONTINUOUS FILM OF BONDBREAKER CAN BE FELT ON THE CASTING SLAB SURFACE AS PREVIOUSLY DESCRIBED IMMEDIATELY PRIOR TO PLACEMENT OF PANEL CONCRETE.
- Rain occurring prior to product drying will necessitate reapplication of bondbreaker.
- Do not apply to reinforcing steel or lifting inserts.
- Avoid spray drifts, runs or puddles. Promptly wipe up any material excesses that can lead to subsequent adhesive failure of floor coatings and wall paints.
- When using NX EZYLIFT for sand bed casting, contact Nexus for specific written recommendations.
- To avoid wood sugar-related concrete retardation and dusting at panel edges and feature strip locations, use Nox-Crete's Clear Pre-Form to seal all wood that may contact panel concrete, including edge forms, blockout forms and chamfer and feature strips prior to bondbreaker application.

### Existing Casting Slabs

- Verify concrete surface is free of substances that could adversely affect product performance.
- If a membrane-forming curing or sealing compound was used, it will be necessary to remove the coating from the casting slab surface prior to applying bondbreaker. Use Nox-Crete's Bio-Clean PLUS to chemically remove all coating residue.
- Apply successive coats of NX EZYLIFT until the casting slab surface appears uniformly dark in appearance for at least 2-3 hours following the last coat. If the treated slab appears light in color either generally or in spots within 2-3 hours of last application, excessive slab porosity is indicated. Reapply NX EZYLIFT to all light-colored areas. If areas of light color or dry appearance persist, thoroughly wet affected areas with water to fill concrete surface pores, squeegee off excess water and then immediately re-apply NX EZYLIFT.

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- The typical effective coverage rate for all combined bondbreaker coats applied to an existing, clean and unsealed casting slab is 200-400 sf / gal (5-10 sm / L). The application rate can vary widely depending upon the specific conditions. Do not over or under apply.

## STRIPPING

- To remove residual bondbreaker from casting slab floor surfaces resulting from over application of the bondbreaker, pretreat the areas to be stripped with Nox-Crete's Bio-Clean Plus. Scrub the treated surfaces using a floor-scrubbing machine equipped with nylogrit scrub brushes. Squeegee off the excess Bio-Clean Plus residue, rinse thoroughly with water and squeegee dry.
- To clean panel surfaces, pretreat the areas to be cleaned with a detergent solution consisting of 0.5 lbs (225 gms) of trisodium phosphate in 1 gal (3.8 L) of water. Rinse the detergent solution off with water using a minimum 4,000 psi power washer.
- Determine adequacy of the surface preparation of panels and casting slabs with appropriate site test to verify acceptable adhesion, appearance and performance of paints, coatings, adhesives, sealers, sealants, grouts, etc. prior to application. See ACI 551 for specific recommendations.

## TECHNICAL DATA

<b>Color</b>	Red Liquid
<b>Clarity</b>	Clear
<b>Bulk Density</b>	6.70 lbs/gal (807 g/L)
<b>VOC</b>	726 g/L
<b>Viscosity</b>	43 SUS @ 100° F (37° C)
<b>Flash Point</b>	72° F PMCC
<b>Gel Point</b>	Below 0°F (-18°C)

## SHELF LIFE

Packaged in 5.3 gal (20 L) pails and 52.8 gal (200 L) drums

## SHELF LIFE

Shelf life is 1 year. Use before the "USE BY" date stated on product packaging.

## HANDLING/STORAGE

Product is a flammable liquid. Store in a dry location within a temperature range between 40° F (4° C) and 100° F (38° C). NX EZYLIFT is not affected by freezing and does not require warming before use. Drums stored outside should be protected from water accumulation on drum head. Following each liquid removal, tightly reseal all container bungs or caps promptly to prevent loss of necessary volatile solvents.

CAUTION: FAILURE TO PROPERLY STORE PRODUCT CAN RENDER IT UNSUITABLE FOR USE.

## AVAILABILITY & TECHNICAL SERVICES

For source or technical information, call Nexus at (03) 9988 7707

## 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.