

PLY-EDGE 235

High performance wood sealer specifically formulated for use on edges and non-working surfaces of concrete form panels.



VOLATILE ORGANIC COMPOUND (VOC)
REGULATORY COMPLIANCE

USEPA
CARB-SCM
SCAQMD
LADCO, OTC
UT-R307, CO
MCAQD
CT, MD, DE, D.C.
CANADA

PLY-EDGE 235 ■■■■■■■■

HOW IT WORKS

PLY-EDGE 235 prevents the absorption of highly alkaline concrete bleed water into the edges and non-working surfaces of plywood, oriented strand board (OSB), laminated veneer lumber (LVL) and laminated strand lumber (LSL) concrete form boards by penetrating the edges / surfaces and sealing off the wood fibers with an extremely durable, yet pliable, film which expands and contracts with the substrate.

APPLICATIONS

- ◆ Use in sealing edges and non-working surfaces of all types of wood form boards including: plywood, OSB, LVL and LSL to be used in concrete forming applications.
- ◆ Use to seal all field-cut board edges and snap-tie holes.
- ◆ Use on non-working faces of all concrete form boards.
- ◆ For reapplication over poor performing mill applied edge sealer.
- ◆ Essential for use on all manufactured wood form boards to be used in the production of architectural concrete.

ADVANTAGES

- ◆ Completely resistant to the higher alkalinity of many modern concrete mix designs.
- ◆ Greatly reduces alkaline water absorption through form board surfaces and edges.
- ◆ By minimizing water absorption into form board surfaces / edges, wood sugar and tannin migration is simultaneously minimized, reducing concrete color variations, staining and concrete surface dusting.
- ◆ Greatly reduces moisture entry through back-side of form boards and thus minimizes warping, cupping and swelling.
- ◆ Significantly reduces board edge swelling that results in elevation variations from board to board that are commonly seen in gang forming applications. Panel elevation variations yield unsightly concrete surface elevation variations that are often unacceptable to owners and are costly to repair.

- ◆ Board life is greatly increased. This is especially true with high performance boards where failure almost always originates at the edges.
- ◆ Provides excellent resistance to ultra-violet radiation from the sun.
- ◆ Exceptional resistance to commonly used form oils and form release agents.
- ◆ DOT classified as non-flammable and non-combustible and is considered safe to apply under most manufacturing or field conditions.
- ◆ Green Engineered™ – better for health and the environment.
- ◆ Meets all federal and state VOC requirements.

▲ PRECAUTIONS ▲

- ◆ Do not apply to wet substrates.
- ◆ Do not apply to substrates that have been covered with a form oil or other coating/surface treatment that could interfere with the proper penetration and adhesion of PLY-EDGE 235.
- ◆ Do not overapply. Excess application of PLY-EDGE 235 can greatly affect coating cure time.
- ◆ Protect 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 which is 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.
- ◆ Treated surfaces should be protected from exposure to water and freezing temperatures until the PLY-EDGE 235 application has completely dried. Product dry time will vary depending on the ambient temperature and relative humidity at the time of application. Product films applied at 70° F (21°C) and 50% relative humidity will be tack free at 1 hour, water resistant at 4 hours and fully cured in approximately 48 hours.

PLY-EDGE 235

Form Treatments



chemical solutions to concrete problems

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.
- ◆ Ambient air and substrate temperatures must be in excess of 40° F (5° C).
- ◆ Mix before using.
- ◆ Apply to board surfaces / edges using a brush, roller or airless spray equipment in a minimum of two successive coats, allow surface to become tack free before second coat.
- ◆ Avoid runs.
- ◆ The application rate of PLY-EDGE 235 varies with the surface porosity and roughness. Typical application rate per coat is 150-250 sf/gal (3.75-6.25 sm/L) for optimum performance.
- ◆ Application equipment should be cleaned with water immediately after use. PLY-EDGE 235 will begin to skin within a few minutes after application. Once this skin develops, water will no longer remove the coating and an aromatic solvent such as xylene must be used.

TECHNICAL DATA

Specific Gravity	1.01
Brookfield Viscosity	5,200 CPS
Freeze Point	32° F (0° C)
Freeze/Thaw Stability	Poor
VOC	<100 g/L
Flashpoint	> 200° F (93° C)

PACKAGING

Packaged in 1 gal (3.8 L) jugs (4 per case), 5 gal (19 L) pails, 55 gal (208 L) drums and 275 gal (1,041 L) bulk totes.

SHELF LIFE

Shelf life is twelve months. 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 INC. maintains regional offices and distribution centers in principal markets throughout the world. For source or technical information, call 800-669-2738 or 402-341-2080.

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.

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