

PRODUCT INFORMATION

ENVI-DURO

ACRYLIC EMULSION SEALER

GENERAL: ENVI-DURO is a thermoplastic hydrophobic type Acrylic water-based Sealer with ambient self crosslinking. This formulation is Earth Friendly as it contains zero VOC. The system is designed for use as clear sealer for exterior or interior concrete, brick, paving stones, other masonry surfaces as well as terrazzo, ceramic, vinyl, vinyl asbestos and linoleum floors. On brick and concrete walls (interior or exterior) prevents pitting dusting, and stops penetration of moisture. ENVI-DURO exhibits superiority in chemical resistance, water resistance, oil resistance, film toughness, hot tire pickup, blush resistance, scuffing, high standards of durability, high standards of anti-slip and dirt pick-up when compared to standard emulsion sealers that have been available to the industry for many years. Moreover this formulation is non-flammable, non-yellowing, dries within 20-40 minutes, offers fast re-coat ability, good gloss and an outstanding balance of detergent resistance and removability. ENVI-DURO provides a rich finish on a concrete driveway or paving stones. It enhances the colour of concrete and paving stones as well as protects from age, weather, automotive fluids that damage the look of these surfaces. This sealer makes a surface area easy to keep clean. ENVI-DURO penetrates and revitalizes the concrete and paving stone surfaces, retarding oxidization, prevents sand loss between paving stones and reduces weeds that often grow between paving stones.

OTHER USES: ENVI-DURO meets the applicable provisions of ASTM C1315-95 "*Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete*", as well meets the applicable provisions of ASTM C309-98a "*Liquid Membrane-Forming Compounds for Curing Concrete*".

ENVI-DURO formulation offering elasticity, great flexibility and many outstanding properties is an excellent clear sealer for wooden decks and fences. It will protect wood from age and weathering.

DIRECTIONS: Remove from surface all trace of dirt, or other substances that might affect penetration or bonding. Rinse thoroughly and allow to dry. Apply with a pump sprayer, mop, lambswool applicator in even coats. Apply a second coat after initial coat is thoroughly dry (20 minutes to 60 minutes depending on the conditions).**REMOVAL:** ENVI-DURO may be removed when desired, using an organic amine stripper and standard stripping techniques. Our RAPPID STRIP is an ideal stripper.

CLEANING EQUIPMENT: Wash with water.

STORAGE AND HANDLING: Keep in closed container. Keep from freezing. Do not store below 0°C (32°F).

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOUR AND APPEARANCE: Milky liquid-mild Ammonia and Polymeric odour.

PH: 8.3±0.5

%VOLATILE (BY VOLUME): 75.0±0.5

SPECIFIC GRAVITY: 1.01±0.02 gm/cm³

FREEZING POINT: 0°C (32°F)

COVERAGE: 1st coat 20-30 sq. meter/litre, 2nd coat 30-40 sq. meter/litre.

% TOTAL SOLIDS BY WEIGHT: 25.0±0.5

STABILITY-SHELF LIFE: Stable for 18 months minimum at 21°C

FREEZE-THAW STABILITY: 3 cycles.

VISCOSITY at 25°C: 25-40 CPS (Brookfield)

COLOUR OF FILM: Clear, Colourless.

DRYING TIME at 21°C: 15-30 minutes

GLOSS: Good-Excellent

DURABILITY: Outstanding

WATER RESISTANCE: Outstanding

LEVELING: Excellent

REMOVABILITY: Good

ADHESION: Excellent

CHEMICAL RESISTANCE: Outstanding (see 24 hour spot Test results. Scale Rating=1-10, 1=worst, 10=best)

ANTIFREEZE: 10

BEARING GREASE: 10

TRANSMISSION FLUID: 10

MOTOR OIL: 10

BLEACH: 10

37% SULFURIC ACID: 10

37% HYDROCHLORIC ACID: 9

10% AMMONIUM HYDROXIDE: 10

50% SODIUM HYDROXIDE: 10

MONOETHANOLAMINE: 10

METHANOL: 10

MINERAL SPIRITS (VARSOL): 10

1% TIDE LAUNDRY SOAP: 10

10% TRISODIUM PHOSPHATE: 10

ISOPROPYL ALCOHOL: 8

GASOLINE: 5

D-LIMONENE: 1

BUTY CELLOSOLVE: 1

MEK: 1

KEY ATTRIBUTES

- Ease of use
- Not classified as a VOC
- Safe and environmentally friendly
- Outstanding properties