

Industrial Flooring

POLY ENHANCE (CLEAR)

Chemical Resistant, UV-Stable Sealer

Description: Two-component low-viscosity acrylic urethane coating, primarily for exterior applications. Used to prime or seal various substrates including concrete, decorative or stamped concrete, exposed aggregate, paver stone and brick.

Areas of Usage: Patios, walkways, driveways, handicap ramps, parking lots, well-ventilated warehouses, manufacturing facilities, storage areas, laboratories, airplane hangars, and unoccupied (new builds) washrooms, showers, garages, and basements. May be used as a sealer to clearcoat substrates where extreme chemical resistance and/or UV protection are required.

Features / Advantages:	Clear sealer	Color enhancement
	Excellent stain resistance	Moisture and abrasion resistant
	Excellent gloss retention	Easily re-coated
	UV stability	Rapid cure rate
	Excellent penetration & adhesion	Low VOC option available

Surface Preparation (When Used as a Sealer): In all cases, remove dust, laitance, grease, rust or other contaminants. Where applicable, prepare concrete via mechanical abrasion (grinding) or chemical treatment (stripping). Preparation may involve neutralization with an alkali followed by a thorough rinse. Detailed procedures are outlined in SOP GFC-106 titled "Concrete Preparation" and SOP GFC-120, titled "Clear Sealing and Staining with Poly Enhance".

Technical Data: *Note: Data / results may differ due to statistical variations, mixing methods and equipment, temperature, application methods, actual site conditions and curing conditions*

Packaging: Available in 5-gallons containers (Part A and Part B)

Mixing Ratio: Two parts Part A to one part Part B Activator (i.e., 2:1 ratio); the mixture may be reduced with acetone only

Application: The preferred method is to spray on clear Poly Enhance using an acetone-resistant pump sprayer immediately followed by backrolling (i.e. 2 applicators are required to work simultaneously). However, a polyester brush, 9", 14" or 18" roller with microfiber nap may also be used. Two coats are required.

Average Dry Time at 77°F (25°C): Dry times vary depending upon weather conditions. **Cure to Tack-Free:** <3 hours; **Waiting Time Between Coats:** 1 – 2 hours; **Cure to Light Foot Traffic:** 24 hours; **Full Cure:** minimum of 4 days

Chemical & Stain Resistance: Resistant to coffee, mustard, whiskey, urine, gasoline, motor oil, brake fluid, transmission fluid, skydrol, mineral spirits, 10% sulphuric acid, 10% hydrochloric acid, 10% acetic acid, xylene and MEK (ASTM D-1308 24-hour immersion)

Reducing: May be reduced with acetone only. Poly Enhance must never be reduced with any other solvent

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Finish:	High gloss (60 degrees). Sheen “dies down” over time to a soft patina
Colors:	Clear
% Solids (Wt):	Average of 38%
Vehicle Type:	Modified acrylic
Viscosity:	Low viscosity
Physical Properties:	VOC Actual: 400 g/L; California Formulation: 38 g/l
Thickness:	Recommended 2 - 3 mils DFT per application (preference is for 2 or more medium applications using an approved acetone-resistant sprayer)
Hardness:	127 (Konig)
Flexibility:	Passes 1/8 inch (ASTM D-222)
Impact Resistance:	Passes 3/8 inch-pounds direct impact (ASTM D-2794)
Pot Life:	Pot life pertains to material contained in the sprayer reservoir. Pot Life = 1 hour at 77°F (25°C); gradual thickening of product will occur
Tabor Abrasion:	69 mg. Loss
Adhesion to Concrete:	Concrete fails before loss of bond (ASTM 451)
Shelf Life:	6 months at 77°F (25°C) when Parts A and B are not combined

Mixing: Poly Enhance is a two component system: Part A and Part B (the activator). When ready to use, mix Part A and Part B in a ratio of 2:1:1 as follows: add 2 parts Part A and 1 part Part B in a bucket and mix immediately. Mix at a slow speed to avoid introducing air into the mixture. After thoroughly mixing Parts A and B, add 1 part acetone as a reducer and re-mix thoroughly. If coating paver stone or brick, use a ratio of 2:1:2 (in lieu of 2:1:1).

Application Procedure: Clear Poly Enhance may be used on a variety of substrates and is used as a clearcoat system. Step-by-step application procedures are provided in standard operating procedure SOP GFC-120 titled “Sealing & Staining with Poly Enhance” on file with Eco-CorFlex.

Handling & Storage: Store in a cool, dry, well ventilated area. Keep containers tightly closed.

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- **KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION • INDUSTRIAL GRADE • HANDLING AND INSTALLATION MUST BE PERFORMED BY ECO-CORFLEX-CERTIFIED APPLICATORS ONLY •**

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