

## **POLY HYBRID XLO (CLEAR 1:1)**

Extremely Low Odor, Non-Vehicular, UV-Stable Clear Top Coat

**Description:** Two-component extremely low-odor (XLO), high-solids, UV-stable polyurea/polyaspartic hybrid clear for **use in spaces with no vehicular traffic**. This low viscosity, zero solvent, easy-to-apply product provides a hard, abrasion and chemical-resistant, high-gloss finish. Poly Hybrid XLO has adequate working time to be applied by brush, roller and/or squeegee. Ideally suited for use as a finish coat in solid, partial-chip, full-chip and metallic flooring systems.

**Areas of Usage:** Used as a clear top coat for patios, walkways and handicap ramps, interior residential spaces and interior commercial/retail spaces, including clean rooms, warehouses, hospital and healthcare facilities, food prep and pharmaceutical spaces. May be used as a **clear top coat anywhere extreme chemical resistance and/or UV protection is required, but where no vehicular traffic of any kind is present** (due to possible plasticizer migration).

<b>Features / Advantages:</b>	Clear top coat	Excellent gloss retention
	Extreme chemical resistance	Extended working time
	Extreme UV resistance	Abrasion resistant
	Low VOCs	Medium cure time
	Low odor	Cures down to 40°F
	Low viscosity	Resistance to elevated temps (<175°F)

**Surface Preparation:** Allow new concrete to cure for at least 30 days prior to preparation and coating. Test for moisture and remove dust, laitance, grease, curing compounds, preparation bond-inhibiting impregnations, waxes and other contaminants. Prepare concrete via mechanical abrasion (diamond grinding, bead-blasting) and follow with application of appropriate primer and/or color coat before applying Poly Hybrid XLO. Concrete preparation procedures are outlined in SOP GFC-106, titled Concrete Preparation.

**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:** Supplied in complete Part A and Part B 5.0-gallon (18.9 L) containers.

**Mixing Ratio:** One (1) part Part A to one (1) part Part B (i.e., 1: 1 ratio); the mixture should not be reduced with solvent.

**Application:** Polyester brush, 9", 14" or 18" rollers with 3/8" microfiber nap, and/or Kraft Tool brand squeegee.

**Average Dry Time at 77°F (25°C):** Dry times vary depending upon weather conditions. **Cure to Tack-Free:** under 3 hours; **Cure to Light Foot Traffic:** 12 hours of less; **Cure to Vehicle Traffic:** Not applicable (do not use where vehicular traffic is possible or present); **Full Cure/Full Chemical Resistance:** 7 days.

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<b>Technical Data (Con't):</b>	<i>Data / results may differ due to statistical variations, mixing methods and equipment, temperature, application methods, actual site conditions and curing conditions</i>
Resistance To:	UV, stains, chemicals and abrasion (e.g., water, mold, mildew, salt, grease, oil spills and other petroleums, urine, blood, black ink, brake fluid, gasoline, hydraulic fluid, xylene, MEK, bases like sodium hydroxide, and acids including hydrochloric, sulphuric, acetic and nitric acids)
Reducing:	Do not reduce.
Finish:	High gloss; 95 at 60 degrees F
Colors:	Clear
% Solids (Vol):	High solids; 75%
VOC:	1.3 grams/liter
Pigment Type:	Not applicable; use a clear coat only
Chemical Composition:	Polyurea/polyaspartic hybrid
Viscosity:	Workable without the use of solvents at 70 degrees F
Thickness:	Recommended application not to exceed 10.0 mils wet film thickness per coat. If 10 mils wet film thickness is exceeded, surface defects will occur.
Hardness:	172 (Pendulum Hardness Tester)
Bond Strength to Concrete:	>350, concrete fails (ASTM D-4541)
Pot Life:	Pot Life = 20 minutes for 1 - 2 gallons at 77°F (25°C) and 50% relative humidity (RH). If ambient temperature is greater than 77°F and / or RH greater than 50%, pot life is dramatically shortened.
Shelf Life:	One [1] year from date of manufacture, in original unopened container (i.e., when Parts A and B are not combined). Store away from heat sources between 50°F and 85°F (10°C – 30°C).

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**Mixing:** Poly Hybrid XLO is a 2-component system. **Premix both components for 3 minutes prior to blending.** Do not attempt to hand mix. Move the drill around the mixing container scraping the sidewalls and bottom. Mix Part A and Part B in a ratio of one (1) Part A and one (1) Part B in a bucket and mix immediately. Mix at a medium mixing speed for 3 minutes. Do not reduce with solvent. If polypropylene anti-skid is to be incorporated in the mixture, add the required quantity and re-mix (do not exceed 4 ounces polypropylene anti-skid per 1 - 1 ½ gallons of the product).

**Application Procedure:** Prior to application, measure and confirm that ambient temperature and humidity conditions are at least 5°F over dew point. **Mixed material must be spread immediately after mixing.** On large jobs, ensure sufficient workforce to maintain a wet edge. Do not apply at >10 mils (excessive thickness will result in surface defects). **Because the material sets quickly, change roller covers every hour.**

**Storage:** Store in a cool, dry, well ventilated area, away from heat sources between 50°F and 85°F (10°C – 30°C). Keep containers tightly closed.

**• 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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