

## **POLY HYBRID (CLEAR)**

100% Solids Fast-Cure, UV-Stable Polyaspartic-Polyurea Clear Coat

**Description:** Two-component **polyaspartic-polyurea clear** coat providing a high-gloss finish. This product combines extreme chemical, abrasion and UV-resistance with fast-cure properties. Clear Poly Hybrid is ideal for exterior or rapid turnaround installations in temperatures as low as 20°F

**Areas of Usage:** Warehouses, manufacturing facilities (food preparation, food processing, and chemical processing plants), parking lots, chemical storage areas, laboratories, airplane hangars, garages, patios, walkways and handicap ramps. May be used as a clear top coat anywhere extreme chemical resistance and /or UV protection is required.

<b>Features / Advantages:</b>	Clear polyaspartic	Rapid dry time
	Extreme chemical resistance	Extreme UV protection
	Excellent gloss retention	Moisture and abrasion resistant
	Ultra-low VOCs	High strength and flexibility
	100% solids, solvent-free	Excellent clarity
	Molecularly bonding	Typically used as a top coat
	Impermeable	Meets USDA requirements

**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 (grinding, bead-blasting, diamond grinding) or chemical treatment (acid washing followed by alkali neutralization) and follow with application of appropriate primer and / or color coat. Procedures are outlined in SOP GFC-106, titled Concrete Preparation and as part of SOPs GFC-107 through GFC-118.

**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:** **25-gallon kit** consisting of 3 x 5-gallon Part containers and 2 x 5-gallon Part B containers. A **1.25-gallon kit** is also available consisting of 0.75-gallon Part A and 0.5-gallon Part B containers

**Mixing Ratio:** Three (3) parts Part A to two (2) parts Part B (i.e., 3: 2 ratio); the mixture may be diluted

**Application:** Polyester brush and 9", 14" or 18" rollers with microfiber nap

**Average Dry Time at 77°F (25°C):** Dry times vary depending upon weather conditions. **Cure to Tack-Free:** 20 minutes; **Waiting Time Between Coats:** immediately (if same product) to 8 hours (sand if >8 hours); **Cure to Light Foot Traffic:** 24 hours; **Cure to Vehicle Traffic:** 48 hours; **Full Cure:** 3 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:	Moisture, stains, chemicals and abrasion (e.g., water, mold, mildew, salt, grease, oil spills (and other petroleums), animal fat, feces, urine, bleach, solvents, chemical fumes, non-oxidizing acids, alkalis, alcohols, battery acid and calcium chloride)
Reducing:	May be reduced with acetone, xylene or citrus solvent; however, citrus solvent should never exceed 50% of the total volume of the combined reducers. Consult local air district rules or regulations
Finish:	Super high gloss
Colors:	Clear
% Solids (Vol):	Average of 98.7%
% Solids (Wt):	Average of 100%
Pigment Type:	Not applicable
Vehicle Type:	Poly Hybrid / aliphatic poly isocyanate
Viscosity:	400 - 445 cps at 77°F (25°C)
Physical Properties:	VOC Actual: 11.0 g/l • VOC Regulatory: 11.0 g/l • Weight of Volatiles: 1.0% • Weight of Exempt: 0.0% • Volume of Exempt: 0% • Density: 1083 g/l
Thickness:	Recommended for application up to 5.0 mils dry film thickness per coat. Heavy applications exceeding this thickness may result in slow dry.
Tensile Strength:	Not available
Flexural Strength:	Not available
Compression Strength:	Not available
Pot Life:	Pot life applies to material poured immediately onto the substrate following preparation. Pot Life = 10 – 15 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:	6 months at 77°F (25°C) when Parts A and B are not combined

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**Mixing:** Clear Poly Hybrid 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 3:2 as follows: add three (3) parts Part A and two (2) parts Part B in a bucket and mix immediately. Always mix at a slow mixing speed to avoid introducing air into the mixture. After thoroughly mixing Parts A and B, solvent may be added as a reducer; if so, re-mix thoroughly. Finally, 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 Poly Hybrid).

**Application Procedure:** Clear Poly Hybrid may be used in a variety of coating systems and is typically used as a top coat. Step-by-step application procedures are provided in standard operating procedures (SOPs) GFC-107 through GFC-118. All SOPs are on file with Eco-CorFlex.

**Handling and Storage:** Store in a cool, dry, well ventilated area. 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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