

## **POLY HYBRID GEN II (CLEAR)**

100% Solids 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 Gen II is an improved version of our Poly Hybrid 3:2 and is ideal for exterior or rapid turnaround installations in temperatures as low as 20°F.

**Areas of Usage:** Garages, warehouses, manufacturing facilities (food preparation, food processing, and chemical processing plants), parking lots, chemical storage areas, laboratories, airplane hangars, 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 polyurea-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	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. Remove dust, oil, grease, curing compounds, scale and other contaminants. Prepare concrete via mechanical abrasion (grinding, diamond grinding, abrasive blasting, shot blasting) to achieve a surface profile equivalent to CSP3 to CSP5. Grinding & diamond grinding 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:** Part A and Part B Activator – 5-gallon containers (~50 lbs each). Approximate weight (may vary depending upon fill level).

**Mixing Ratio:** Three (3) parts clear Part A to two (2) parts catalyst Part B (i.e., 3:2-ratio by volume); the mixture may be diluted with solvent (typically xylene or acetone).

**Application:** Polyester brush and 9", 14" or 18" rollers with 3/8" nap.

**Average Dry Time at 77°F (25°C):** Dry times vary depending upon weather conditions. **Cure to Tack-Free:** 30-45 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.

**Resistance To:** Moisture, stains, chemicals and abrasion, e.g., water, mold, mildew, salt, grease, oil spills (and other petroleum products), animal fat, feces, urine, bleach, solvents, chemical fumes, non-oxidizing acids, alkalis, alcohols, battery acid and calcium chloride.

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Reducing:	May be reduced with e.g., xylene or acetone (before reducing, 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:	250 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 = 15 – 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:	1 year at 77°F (25°C) when Parts A and B are not combined.

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**Mixing:** Clear Poly Hybrid Gen II 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 three (3) parts Part A and two (2) parts Part B in a bucket. Mix immediately at a slow mixing speed to avoid introducing air into the mixture. After thoroughly mixing Parts A and B, add solvent to reduce (e.g., xylene, acetone). 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 Gen II).

**Application Procedure:** Clear Poly Hybrid Gen II is a quick-cure polyurea-polyaspartic for use by trained/experienced applicators only. This product can be used as a clear topcoat in a variety of coating systems. Apply using 9", 14" or 18" rollers with 3/8" nap; use a polyester brush for nooks and crannies.

**Handling & 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 •**

All information provided by Eco-CorFlex concerning its products, including but not limited to, any recommendations and advice relating to the application and use, is given in good faith based on Eco-CorFlex's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Eco-CorFlex SOPs. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Eco-CorFlex's control are such that Eco-CorFlex assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of Eco-CorFlex product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application. Eco-CorFlex reserves the right to change the properties of its products without notice.

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