ECO CorFlex
Molecular Industrial Polymers

Industrial Flooring

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.

Features / Advantages:

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. 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:	**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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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 or xylene (or combinations thereof). 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 that 50%, pot life is dramatically shortened
Shelf Life:	12 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 •

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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