

**Industrial Flooring**

## **POLY HYBRID (PIGMENTED)**

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

**Description:** Two-component **polyaspartic-polyurea** color coat providing a high-gloss finish. This product combines extreme chemical, abrasion and UV-resistance with fast-cure properties. Pigmented 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 color coat anywhere extreme chemical resistance and / or UV protection is required.

<b>Features / Advantages:</b>	Pigmented 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 color retention
	Molecularly bonding	Used as a color coat or 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:** **1-gallon kit** consisting of a 1 x 0.5-gallon Part A and 1 x 0.5-gallon Part B (Activator) containers. A **10-gallon kit** is also available consisting of 1 x 5-gallon Part A and 1 x 5-gallon Part B containers

**Mixing Ratio:** One part Part A to one part Part B (i.e., 1: 1 ratio); the mixture may be diluted with solvent

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

**Average Dry Times (77°F and 25% RH):** Dry times vary depending upon weather conditions. **Cure to Tack-Free:** 20 minutes; **Waiting Time Between Coats:** 1 - 2 hours (sand if >8 hours); **Cure to Light Foot Traffic:** 2 - 4 hours; **Cure to Vehicular Traffic:** 24 - 48 hours; **Full Cure:** 7 days

**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 and alcohols

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Reducing:	May be reduced with acetone or xylene (or combinations thereof). Consult local air district rules or regulations
Finish:	High gloss
Colors:	Black, White, Tumbleweed, Silver Gray and mixtures thereof; custom colors available upon request
% Solids (Vol):	Average of 91%
% Solids (Wt):	Average of 95%
Pigment Type:	UV and chemical-resistant
Chemical Composition:	Amine cross-linked with aliphatic isocyanate
Viscosity:	98 Kreb Units at 77°F (25°C)
VOC:	50 g/l
Thickness:	Recommended for application of up to 6 mils dry film thickness per coat; heavy applications exceeding this thickness may result in a slow dry.
Tensile Strength:	Not available
Flexural Strength:	Not available
Compression Strength:	Not available
Pot Life:	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:	12 months at 77°F (25°C) when Parts A and B are not combined

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**Mixing:** Pigmented Poly Hybrid is a two component system: Part A and Part B (the activator). Only when ready to use, mix Part A and Part B in a ratio of 1:1 as follows: **thoroughly mix the pigmented Part A component separately, ensuring a uniform color.** Then, add 1 part Part A and 1 part 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, a reducer may be added; 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 pigmented Poly Hybrid).

**Application Procedure:** Primer required (refer to SOP for proper primer coat). Pigmented Poly Hybrids are very reactive materials that require special application and experienced applicators. Step-by-step procedures are provided 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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