

**Industrial Flooring**

## 100% SOLIDS POLYMER (CLEAR)

Chemical Resistant Flexible High-Build Coating

**Description:** Two-component, high-gloss premium floor coating for permanent protection with a smooth or anti-skid seamless surface. 100% Solids Polymers resist chemical exposure, high traffic and mechanical abuse

**Areas of Usage:** Primarily used as a topcoat for interior installations including warehouses, manufacturing facilities (food preparation and food processing plants), washrooms, showers and basements

<b>Features / Advantages:</b>	Clear	Short dry time
	Chemical and stain resistant	Abrasion resistant
	Excellent gloss retention	Outstanding flow and leveling
	No VOC	High strength and flexibility
	Impermeable	Solvent free
	Molecularly bonding	Low viscosity and excellent clarity
	Cures blush free	Primarily used as high-build topcoat

**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 consists of 2 x 5-gallon containers; Part B (Activator) consists of a 1 x 5 gallon container. Clear 100% Solids Polymer is also available in a 1.5-gallon kit (1-gallon Part A and 0.5-gallon Part B)

**Mixing Ratio:** Two parts Part A to one part Part B (2:1 ratio); the mixture may be diluted with solvent. Metallic pigment may be added for liquid art / liquid mineral floor mixtures (refer to the applicable SOP).

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

**Average Cure Time at 77°F (25°C):** Dry times vary depending upon weather conditions. **Cure to Tack-Free:** 4 - 6 hours; **Waiting Time Between Coats:** 4 - 12 hours (sand if >12 hours), however, "re-wet" coats of the same product may be applied immediately; **Cure to Light Foot Traffic:** 12 - 24 hours; **Full Cure:** 5 - 7 days

**Resistance To:** Moisture, stains, chemicals and abrasion (e.g., water, mold, mildew, salt, grease, oil and other petroleums, animal fat, feces, urine, bleach, solvents, chemical fumes).

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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>
Reducing:	May be reduced with acetone or xylene (or combinations thereof); consult local air district rules or regulations. Never use acetone with 100% solids polymer under cold weather conditions (<50°F). In cool temperatures above 50°F and rising, acetone may be used in lieu of xylene.
Finish:	Super high gloss
Colors:	Clear
% Solids (Vol):	100%
% Solids (Wt):	100%
Chemical Composition:	Modified bisphenol A epoxy resin crosslinked with aliphatic and cycloaliphatic polyamines
Viscosity:	250 cps at 77°F (25°C)
VOC:	0 g/l
Thickness:	Recommended installation of 6 mils
Tensile Strength:	6,230 psi at 7 days (ASTM D-638)
Flexural Strength:	9,680 psi at 7 days (ASTM D-790)
Compressive Strength:	19,501 psi at 7 days (ASTM D-695)
Pot Life:	Pot life applies to material poured immediately onto the substrate following preparation. Pot Life = thirty (30) 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:** Clear 100% solids polymers are two component systems: Part A and Part B (the activator). Only when ready to use, mix Part A and Part B in a ratio of 2:1 as follows: add two (2) parts Part A and one (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 clear 100% solids polymer).

**Application Procedure:** Clear 100% solids polymer may be used in a variety of coating systems and is typically used as a premium top coat or as part of liquid art or liquid minerals flooring systems. Detailed application procedures are provided in standard operating procedures (SOPs) GFC-107 through GFC-118. All SOPs are on file with corporate 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.

Prior to each use of any Eco-CorFlex product, the user must read and follow the warnings and instructions on the products most current Technical Data Sheet, product label and Material Safety Data Sheet which are available online at [www.ecocorflex.com](http://www.ecocorflex.com) or by calling Eco-CorFlex at 866-406-2628. Eco-CorFlex warrants this product to be free of manufacturing defects and warrants this product to meet the technical properties on the current Technical Data Sheet if used as directed within the shelf life. The user must determine suitability of each product for its intended use and assumes all risks. The buyer's sole remedy shall be limited to the purchase price or replacement of the product *exclusive of labor or cost of labor*.

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