ECO CorFlex
Molecular Industrial Polymers

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

Features / Advantages:

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:	New concrete must 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) and follow with application of appropriate primer and/or color coat.
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 metallic floor coating mixtures.
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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Reducing:	May be reduced with acetone, xylene, or citrus solvent (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.
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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