

## **POLY 3000 (PIGMENTED)**

Chemical Resistant Aliphatic Polyurethane

**Description:** Two-component, high solids, UV-stable polyurethane coating for permanent protection with a smooth or anti-skid seamless surface. Poly 3000 resists chemical exposure, high traffic and mechanical abuse.

**Areas of Usage:** Primarily used as a color coat where high UV, chemical and abrasion resistance is required. Used in warehouses, manufacturing facilities (food preparation, food processing, and chemical processing plants), parking lots, chemical storage areas, laboratories, airplane hangars, washrooms, showers, patios, walkways and handicap ramps.

<b>Features / Advantages:</b>	Pigmented	Short dry time
	Chemical and stain resistant	Superior abrasion resistance
	Excellent gloss retention	Outstanding flow and leveling
	Impermeable	High strength and flexibility
	Molecularly bonding	UV-stable
	Excellent impact resistance	Typically used as a color coat

**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 followed by alkali neutralization). Detailed 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:** 15-gallon kit consisting of 2 x 5-gallon Part A containers and 1 x 5-gallon Part B Activator container. Also available in a 1.5-gallon kit consisting of 1-gallon Part A and 0.5-gallon Part B (Activator) containers

**Mixing Ratio:** Two parts Part A to one part Part B (2:1 ratio); the mixture may be diluted with solvent

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

**Average Dry Time at 77°F (25°C):** **Cure to Tack-Free:** 4 - 6 hours; **Waiting Time Between Coats:** 6 - 24 hours (sand if >24 hours); **Cure to Light Foot Traffic:** 24 hours; **Full Cure:** 7 days; dry times may vary depending upon weather conditions

**Resistance To:** Moisture, stains, chemicals and abrasion (e.g., water, mold, mildew, salt, grease, oil and other petroleum, 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, xylene or citrus solvent (or combinations thereof); consult local air district rules or regulations
Finish:	High gloss
Colors:	White, Tumbleweed, Silver Grey, Mohave, Pebble Beach and mixtures thereof; custom colors available upon request
% Solids (Vol):	Average of 62.5, depending on color
% Solids (Wt):	Average of 73.5%, depending on color
Pigment Type:	UV and chemical resistant
Vehicle Type:	Bisphenol A / Epichlorohydrin
Viscosity:	Average of 500 cps at 77°F (25°C)
VOC:	420 g/l
Thickness:	Recommended installation of 6 mils per coat. Poly 3000 should not be applied in thick films
Tabor Abrasion:	34 mg loss (1000 gm load 1000 cycles, CS 17 wheel)
Flexibility:	Passes 1/8 inch (ASTM 222)
Impact Resistance:	Passes 160 inch-pound direct and reverse (ASTM D-2794)
Pot Life:	Pot life applies to material poured immediately onto the substrate following preparation. Pot Life = 1 hour 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:	2 years at 77°F (25°C) when Parts A and B are not combined

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**Mixing:** Pigmented Poly 3000 is a two component system: Part A and Part B (the activator). When ready to use, thoroughly mix the pigmented Part A component separately, ensuring a uniform color. Then add 2 parts 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 3000).

**Application Procedure:** Pigmented Poly 3000 may be used in a variety of coating systems and is typically used as a UV-stable color coat. 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.

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