Industrial Flooring

LOPH II (CLEAR)

Low Odor Polyaspartic-Polyurea Industrial Color and Top Coat

Description:	Two-component low-odor polyaspartic-polyurea clear. This low viscosity, zero solvent, easy to handle product combines extreme chemical, abrasion and UV-resistance with fast-cure properties. The product is ideal for exterior or rapid turnaround installations in temperatures as low as 20˚F.	
Areas of Usage:	Used as a clear top coat or may be pigmented for use as a color coat in warehouses, manufacturing facilities, parking lots, chemical storage areas, laboratories, airplane hangars, garages, patios, walkways and handicap ramps. Use in garages is not recommended. May be used as a clear top coat or color coat where extreme chemical resistance and/or UV protection is required.	
Features / Advantages:	Clear	Typically used as a top coat
	Extreme chemical resistance	May be pigmented for use as color coat
	Excellent gloss retention	Extreme UV protection
	Low VOCs	Moisture and abrasion resistant
	Low odor	Rapid cure time
	Low viscosity	Easy to handle
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:	5-gallon Part A and 5-gallon Part B containers.	
Mixing Ratio:	One (1) part Part A to one (1) part Part B (i.e., 1: 1 ratio); the mixture should not be reduced with solvent	
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[1]. **Cure to Tack-Free**: 1 hour; **Waiting Time Between Coats:** immediately (if same product) to 8 hours (sand if >8 hours); **Cure to Light Foot Traffic**: 4 hours; **Cure to Vehicle Traffic**: 72 hours; **Full Cure**: 7 days	

1 – The cure rate of LOPH II slows significantly under conditions of low humidity (less than 40%) and low temperature (less than 70°F).

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Resistance To:	Moisture, stains, chemicals and abrasion (e.g., water, mold, mildew, salt, grease, oil spills (and other petroleums), urine, blood, black ink, brake fluid, gasoline, hydraulic fluid, xylene, MEK, bases (sodium hydroxide), and acids (hydrochloric, sulphuric, acetic and nitric acids)
Reducing:	Do not reduce.
Finish:	High gloss; 95 at 60 degrees
Colors:	Clear but may be tinted using pigment packs
% Solids (Vol):	High solids; 75%
% Solids (Wt):	High solids; 77%
VOC:	400 grams/liter
Pigment Type:	May use pigment packs if using as a color coat
Vehicle Type:	Polyaspartic
Viscosity:	200 cps at 77˚F (25˚C)
Thickness:	Recommended for application up to 10.0 mils dry film thickness per coat. Heavy applications exceeding this thickness may result in slow dry.
Hardness:	172 (Pendulum Hardness Tester)
Adhesion to Concrete:	Concrete fails before loss of bond (ASTM D-451)
Tabor Abrasion:	36 mg loss (1000 gm. load 1000 cycles, CS17 wheel)
Pot Life:	Pot Life = 20 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:	6 months at 77˚F (25˚C) when Parts A and B are not combined

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Mixing:	Clear LOPH II 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 1:1 as follows: add one (1) Part A and one (1) Part B in a bucket and mix immediately. Always mix at a slow mixing speed to avoid introducing air into the mixture. Do not reduce with solvent. 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 the low odor clear Poly Hybrid).
Application Procedure:	LOPH II 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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