

## SL EPOXY II (CLEAR)

No VOC, Low Odor Industrial Clear Coat

**Description:** Two-component, low-odor, zero-solvent, zero-VOC, 100% solids, high-build self-leveling (SL) epoxy clear.. SL Epoxy II readily accepts metallic pigment and is perfect for use as a metallic color coat or clear coat for all interior installations. Easy-to-apply, delivers a high gloss finish, and provides extreme chemical, impact, abrasion and wear resistance.

**Areas of Usage:** Clear topcoat or may be pigmented for use as a color coat in metallic coating systems. Perfect for basements, warehouses, manufacturing facilities, shop floors, clean rooms, laboratories, aircraft hangars. **No to be used where there is vehicular traffic or exposure to sunlight.**

<b>Features / Advantages:</b>	Self-leveling clear	High solids
	Accepts metallic pigment	Solvent free
	Chemical resistance	Seamless, high-build coat
	High gloss	Impact, abrasion and wear resistant
	Zero VOCs	24-hour return to service
	Low odor	Low maintenance

**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: 5 US-gallon pail (18.9 L); weight of 55 lbs  
Part B: 5 US-gallon pail (18.9 L); weight of 46 lbs

**Mixing Ratio:** Two (2) parts Part A to one (1) part Part B (i.e., 2:1 ratio); the mixture should not be reduced with solvent. (*Refer to important mixing instructions on page 3 of this TDS*)

**Application:** For **metallic, solid and partial-chip applications**, snowplow with a 14" or 18" (3/8" shed-resistant) roller or 3/16" notched rubber squeegee for horizontals and polyester brush for peripheries. Immediately back-roll material with roller (do not back-roll after mixture begins to tack up). For **full-chip applications**, snowplow using a 22" Kraft Squeegee Trowel and cross-hatch. Do not back-roll.

**Average Dry Time at 77°F (25°C):** Dry times vary depending upon weather conditions. **To Touch at 72°F (22°C):** 4-6 hours; **Re-coat at 72°F (22°C) (Min/Max):** 6 - 24 hours; **Light Foot Traffic at 72°F (22°C):** 12 hours; **Full Cure at 72°F (22°C):** 7 days.

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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>
Resistance To:	Moisture, stains, chemicals and abrasion (e.g., water, mold, mildew, salt, grease, oil spills, brake fluid, gasoline, hydraulic fluid, xylene, bases and acids (hydrochloric, sulphuric, acetic and nitric acids))
Reducing:	Do not reduce
Finish:	High gloss
Colors:	Clear (readily accepts pigment for use in metallic coating systems)
% Solids (Vol):	High solids; 100%
% Solids (Wt):	High solids; 100%
VOC:	0 grams/liter
Curing Mechanism:	Chemical reaction between components
Theoretical Coverage:	For <b>partial chip applications</b> , apply ~6-7 mil per sq ft (0.4 gal per 100 sq ft). For <b>full-chip applications</b> (application in a single coat), apply ~8.5 mils (0.5 gal per 100 sq ft). For <b>metallic (color coat) applications</b> , apply 34 mils per sq ft (2 gal per 100 sq ft)
Flexural Strength:	12,800 psi (ASTM D790)
Hardness, Shore D:	Not available
Adhesion Testing:	500 psi (substrate failure)
Pot Life:	Pot Life = 20 - 25 minutes @ 72°F (13°C)
Shelf Life:	Twelve (12) months when Parts A and B are not combined, unopened and stored indoors at temperatures between 40°F (10°C) and 100°F (38°C) out of the sun

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**Mixing:** Prior to mixing, heat Part A and Part B containers to a minimum 85°F to ensure proper flowability. (If adding metallic pigment, add the appropriate quantity to Part A and mix first; it is recommended that this be performed the day prior to application for better color dispersion). Add 2 parts A and 1 part B in a bucket; mix immediately. Using a digital infrared thermometer, assess the temperature of the mixture. It must be min. 85°F (otherwise, allow mixture to remain in the container until the temperature is attained). *Do not reduce.* Always mix at a slow mixing speed to avoid introducing air into the mixture. 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 mixture).

**Application Procedure:** Snowplow with a 14" or 18" roller (3/8" shed-resistant) or 3/16" notched rubber squeegee for horizontals and polyester brush for peripheries. Immediately back-roll. Do not back-roll after mixture begins to tack up.

**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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