

TL300 PHOTOLUMINESCENT EPOXY COATING KIT



APPLICATION INSTRUCTIONS

EverGlow Photoluminescent Epoxy Coatings are comprised of a durable 2-part epoxy and a premeasured container of pigment. When mixed and applied as directed, over an appropriate gloss white or other light color primer (base) coating, EverGlow epoxy will provide a luminance of 250 - 350 mcd/m² after 10 minutes of discharge when measured according to DIN 67510. This luminance level will meet or exceed all existing luminance requirements in standards and codes in the United States – IBC, IFC, NFPA 101 (when tested according to ASTM E2072 or E2073) and New York City Local Law 26 (2004) and RS 6-1. We recommend application by those familiar with epoxy and industrial coatings. User must determine if this coating is appropriate for a particular application.



The EverGlow TL300 Photoluminescent Epoxy Coating Kit covers approximately 100 sq feet and contains 6 pounds (2,722 grams) of coating & pigment:

Part A: Resin in the large mixing container, 2 pounds (907 grams)

Part B: Epoxy Hardener in the small can, 1 pound (454 grams)

Photoluminescent Pigment (50% pigment loading, by weight), 3 pounds (1,361 grams)

Surface Preparation:

1. Thoroughly clean and dry the surface.
2. Using a high quality tape, mask the area to be coated.
3. Apply an appropriate white or gloss white primer as directed by the manufacturer or supplier.

Coating Preparation:

NOTE – (Once the Part B Hardener is added) THE POT LIFE OF THE COMPLETELY BLENDED EPOXY COATING IS APPROXIMATELY 30 MINUTES. All application coating must be completed during the working pot life of this coating. The container(s) will become very hot at the end of this pot life as the epoxy cures and hardens. Do not thin; keep water away from epoxy and pigment.



1. Mixing the coating should be done in a ventilated area, away from open flames or other sources of fire.
2. In the Part A (RESIN) container (large can), slowly add pigment and stir as necessary to blend completely.
3. PIGMENT must be kept dry and then added to the resin and blended completely BEFORE the hardener is added. NOTE – THIS PIGMENT WILL SETTLE IN THE RESIN AFTER IT IS COMPLETELY MIXED.
4. Add the Part B (HARDENER) to the mixture of RESIN and PIGMENT and blend completely. Blend thoroughly and quickly. The epoxy begins to cure and harden as soon as the hardener is added.
5. Smaller coating quantities can be mixed for TEST applications or smaller application areas as necessary. This is an epoxy coating with 1-part hardener, 2-parts resin, and 3-parts pigment. Use a postal scale to determine quantities of each component by weight. The mixing container must be large enough to accept all components as they are added above. For example, to a quart paint can, add 2 ounces (by weight) of resin; blend with 3 ounces pigment; then add 1 ounce hardener.

Coating Application & Clean-up:

1. Application of the coating should be done in a ventilated area, away from open flames or other sources of fire.
2. Target thickness of the dry, cured coating is approximately 10 mils. If the coating is thinner, luminance will be lower than the targeted 300 mcd/m² (DIN 67510). If the coating is thicker, the luminance will be higher but coverage will be less than approximately 100 square feet. This kit will cover approximately 100 sq feet – 1 inch x 1,200 feet, 2 inches x 600 feet, 3 inches x 400 feet, 4 inches x 300 feet, etc.
3. This coating does NOT cover completely; application over an appropriate primer (base) coating is necessary. A second coating of epoxy is NOT necessary to obtain the desired luminance or coating properties.
4. Brush or roll the coating onto the surface as desired. Coat uniformly as possible and move as quickly as possible.
5. All brushes, rollers, containers must be disposed of as a solvent based paint according to local requirements when the coating has cured and cooled. Masking tape must be removed after the epoxy has cured. A heat gun may be useful to soften the coating to allow cleaner removal of all tape or other masking materials.
6. A protective coating of clear urethane (top) coating may be applied in high traffic areas. Luminance should be checked before and after a TEST coating to make certain minimum levels are maintained in available lighting conditions.