



LEXITE GLOW

*Glow In The Dark
100% Solids Epoxy Coating*

1. Product Description

a. **Basic Use:** Lexite Glow is a single application, high build epoxy coating intended to "glow in the dark." Lexite Glow is designed to glow after activation by a light source allowing for safe evacuation of a building in total darkness. Lexite Glow may be applied to most substrates including concrete, brick, stone, wood, metal and other coatings that are firmly bonded to the base substrate.

b. **Features/Benefits:**

- Highlights areas and surfaces in total darkness.
- Illumination lasts up to eight hours.
- Coating is activated with commonly found lighting fixtures as well as natural light.
- Non-toxic and non-radioactive ingredients permit use with no safety concerns.
- Consists of 100% epoxy solids to allow total compliance with VOC regulations.
- Contains no volatile solvents, permitting interior applications with virtually no fire hazard or toxic odors.
- Single coat application of up to 16 mils (0.41 mm) saves installation costs by elimination of multiple coats.
- Excellent adhesive properties permit application over other physically sound and firmly bonded coatings.
- One step seamless application reduces or eliminates floor joints, and bridges non-moving cracks.
- Bonds to itself allowing for multiple coats.
- USDA approved as an acceptable coating where there is a possibility of incidental food contact.
- Easy clean-up with soap and water.

c. **Typical Applications:** Safety areas, door handles, staircases, walkways, aiseways, bathroom/locker rooms, interior ramps, telephone areas, hand rails, platforms, freight elevator doors, safety lines, stair tread nosings and landings, building columns, utility areas, military bases, warehouses, manufacturing plants, commercial buildings, industrial facilities, utility plants, office buildings, shopping malls, schools, athletic facilities, theaters, warning and exit signs.

d. **Limitations:** Do not apply Lexite Glow outside. Lexite Glow should not be exposed to steel-wheeled traffic or temperatures above 150°F (65°C). Lexite Glow should not be applied when ambient or substrate temperature is below 50°F (10°C).

e. **Composition:** Lexite Glow is a two-component liquid compound consisting of 100% epoxy solids having the viscosity of conventional paint. Lexite Glow is free of all volatile solvents.

f. **Color/Appearance:** Lexite Glow is available in a yellow-green standard color.

2. Packaging

Lexite Glow is supplied in units, each containing the proper proportions of liquid components. Standard packaging information is shown below:

<i>Unit Size</i>	<i>Binder</i>	<i>Activator</i>	<i>Shipping Wt.</i>
<i>1 quart (.95 liter)</i>	<i>1 pint (0.47 liter)</i>	<i>1 pint (0.47 liter)</i>	<i>3 lbs. (.9 Kg)</i>
<i>1/2 gal. (1.9 liter)</i>	<i>1 quart (.95 liter)</i>	<i>1 quart (.95 liter)</i>	<i>6 lbs. (2.7 Kg)</i>
<i>1 gal. (3.8 liter)</i>	<i>1/2 gal. (1.9 liter)</i>	<i>1/2 gal. (1.9 liter)</i>	<i>12 lbs. (5.4 Kg)</i>
<i>2 gal. (7.6 liter)</i>	<i>1 gal. (3.8 liter)</i>	<i>1 gal. (3.8 liter)</i>	<i>24 lbs. (10.9 Kg)</i>

3. Estimating/Coverage

Lexite Glow should be applied on horizontal surfaces at a rate not less than 100 sq. ft./gal. (2.45 sq. m/liter) which yields a film thickness of 16 mils (0.41 mm). When coating rough surfaces or where additional protection is required, Lexite Glow may be installed at application rates up to 25 sq. ft. /gal. (.61 sq. m/liter) which yields a film thickness of 64 mils (1.64 mm).

Note: For overhead and vertical applications use Lexite Glow N.S. Lexite Glow N.S. (non-sag) should be used on walls, columns and other similar vertical surfaces. Lexite Glow N.S. should be applied on vertical and overhead surfaces at a rate of not more than 200 sq. ft./gal. (4.90 sq. m/liter) which yields a film thickness of 8 mils (0.21 mm).

4. Technical Data

Resistance to Solvents and Chemicals		
-ACIDS-		
Acetic (Use Diamite AC) -----NR	Acetone -----NR	
Chromic -----A	Cellosolve -----NR	
Citric 10% -----A	Ethyl Alcohol -----A	
Hydrochloric 10% -----A	Methyl Ethyl Ketone -----NR	
Hydrochloric Conc. -----D	Mineral Spirits -----A	
Hydrochloric Vapor -----A	Toluene -----A	
Fatty Acid -----A	Xylene -----A	
Lactic 10% -----A	-PETROLEUM DERIVATIVES-	
Muriatic -----A	Aircraft Hydraulic Fluid -----A	
Nitric Below 5% -----D	Brake Fluid -----A	
Nitric Above 5% -----NR	Fuel Oil -----A	
Oleic -----A	Gasoline -----A	
Phosphoric 50% -----A	Transmission Fluid -----A	
Sulphuric 10% -----A	-MISCELLANEOUS-	
Sulphuric 50% -----D	Animal Fats -----A	
Sulphuric Conc. -----NR	Calcium Chloride -----A	
-ALKALIS-		
Ammonium Hydroxide 20% --A	Detergent Solutions -----A	
Ammonia Vapor -----A	Formaldehyde 37% -----NR	
Calcium Hypochlorite -----A	Glycerine -----A	
Caustic Cleaners -----A	Salt Solutions -----A	
Sodium Hydroxide 20% -----A	Urine -----A	
Sodium Hypochlorite 5% -----A	Vegetable Oil -----A	
	Water -----A	

Key: A-Unaffected, D-Discolored; Not Attacked, NR-Not Recommended

5. Directions for Use

a. **Preparation:** The surface to be treated must be physically sound, thoroughly clean, free of oil, wax, loose paint, rust, scale and completely dry. New concrete must be thoroughly cured for at least 28 days before starting surface preparation. Base concrete must be shotblasted or acid-etched with Bitesin. All acid-etched concrete surfaces must be rinsed and neutralized with potable water and allowed to completely dry.

b. **Priming:** All concrete to receive Lexite Glow must be primed with Lexite Glow Primer and allowed to dry tack free. Surfaces to be coated should be primed at the rate of 200 to 300 sq. ft./gal. (4.9 to 7.4 sq. m/liter) and allowed to dry tack free.

c. **Mixing:** Proprietary ingredients utilized in Lexite Glow tend to settle and therefore thorough blending of all components is essential. Use a power drill with a Metco Jiffy mixing paddle. First, mix the binder separately; then, mix the activator separately. Next, add the mixed activator to the mixed binder and thoroughly blend for at least two minutes at revolution speeds that will not entrap air bubbles into the freshly mixed Lexite Glow. Let stand for two minutes and mix again for one additional minute.

d. **Application:** After the substrate has been primed, distribute the mixed Lexite Glow on the substrate with the use of a Lexite Spreader Tool. This allows the material to be applied at the recommended application rate of 100 sq. ft./gal. (2.45 sq. m/liter). The spreading operation should then be followed by rolling with a short-nap or foam-rubber type paint roller to insure uniformity. The rolling operation should proceed in one direction with slow, even strokes. Avoid short, quick, back-and-forth strokes such as are commonly employed in paint rolling techniques. Commonly found high quality paint rollers and paint brushes may also be used to apply Lexite Glow.

e. **Working Time/Pot Life:** All mixed Lexite Glow should be poured out of the mixing container within 15 minutes after blending and applied within 45 minutes.

f. **Cure Time:** Lexite Glow becomes tack-free in approximately 18 to 24 hours and may be re-coated at this time if additional thickness or mils are desired. The Lexite Glow surface can be exposed to light traffic 18 hours after final application of the coating. Final cure time requires 3 to 5 days. All cure times are based on ambient and substrate temperatures at 70°F (21°C).

g. **Clean-up:** Either DL Solvent or Waterzall Concentrate and warm water may be used for cleaning tools and equipment.

h. **Maintenance:** Lexite Glow surfaces should be cleaned with a Waterzall Concentrate and water solution. Waterzall Concentrate may also be used at full strength to remove built-up deposits and stains. Lexite Glow may be reapplied to itself after sanding to remove gloss.

6. Availability

Lexite Glow is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Lexite Glow is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



Metalcrete Industries

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