



LEXITE CONDUCTIVE PRIMER

Static Dissipative Epoxy Primer

1. Product Description

a. Basic Use: Lexite Conductive Primer is a two-part epoxy coating system that exhibits excellent abrasion resistance as well as static dissipative properties. Lexite Conductive Primer is intended to be used in conjunction with Lexite Conductive Top Coat. Lexite Conductive Primer may be applied to concrete and metal substrates.

b. Features/Benefits:

- Excellent adhesive properties permit application over other physically sound substrates.
- One step seamless application reduces or eliminates floor joints and bridges non-moving cracks.
- Chemical-resistant surface provides for easy cleaning and maintenance.
- Bonds to itself allowing for multiple coats.
- Static disseminating properties help prevent electric charge build-up.

c. Typical Applications: Hospital operating rooms, computer control facilities, ammunition storage facilities, electronic manufacturing plants, laboratories, automotive paint rooms, explosive storage facilities, and chemical processing plants.

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

e. Composition: Lexite Conductive Primer is a two-component liquid compound consisting of a solvent-based epoxy and special conductive pigments, having the viscosity of conventional paint.

f. Color/Appearance: Lexite Conductive Primer is available in black as a standard color. This product is also available in a semi-clear formula where thin, light colored top coats are to be used. The semi-clear is a special formula and substantially higher in cost.

2. Packaging

Lexite Conductive Primer 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>2 gal. (7.6 liter)</i>	<i>1 gal. (3.8 liter)</i>	<i>1 gal. (3.8 liter)</i>	<i>21 lbs. (9.5 Kg)</i>
<i>10 gal. (37.8 liter)</i>	<i>5 gal. (18.9 liter)</i>	<i>5 gal. (18.9 liter)</i>	<i>105 lbs. (47.6 Kg)</i>

3. Estimating/Coverage

The recommended application rate is 250 sq. ft./gal. (6.1 sq. m/liter) which yields a wet film thickness of 7 mils (0.18 mm) and a dry film thickness of 3 mils (0.08 mm). Lexite Conductive Primer may be installed in two applications where additional protection is required.

4. Technical Data

a. Compressive Strength: 7,800 psi ASTM D 695.

b. Tensile Strength: 2,200 psi ASTM D 638.

c. Percent Elongation: 2 percent.

d. Hardness Shore D: 85 ASTM D 2240.

e. Conductivity: Complies with DOD-HDBK-263 (Electrostatic Discharge Control Handbook for Protection of Electrical Parts, Assemblies & Equip.).

f. Surface Resistance: Typical Readings - $9.4 \times 10^4 \Omega$, $1.95 \times 10^5 \Omega$, $2.4 \times 10^5 \Omega$ ASTM F150-89

g. Chemical Resistance:

Not Recommended: 20% Nitric Acid

Two Hour Splash: Xylene, Gasoline

8 Hour Splash: 10% Sulfuric, 10% Hydrochloric Acid (Aqueous), Ethylene Glycol

72 Hour Immersion: 50% Sodium Hydroxide

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.

c. Mixing: Thorough blending of all components is essential. The mixing ratio is 1 part binder to 1 part activator by volume. 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 material.

d. Application: Distribute the mixed Lexite Conductive Primer on the substrate with a short nap 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. Lexite Conductive Primer may also be applied with an airless industrial sprayer. Consult with an electrical engineer for earthing instructions prior to application of primer.

e. Working Time/Pot Life: All mixed Lexite Conductive Primer should be applied within three hours after mixing at 70°F (21°C).

f. Cure Time: Lexite Conductive Primer becomes tack-free in approximately 4-8 hours and may be top coated with Lexite Conductive Top Coat at this time. The Lexite Conductive Primer surface can be exposed to light traffic 24 hours after application of the coating, however prompt top coating is recommended. Final cure time requires 3 to 7 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 Conductive Primer 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 Conductive Primer may be reapplied to itself.

6. Availability

Lexite Conductive Primer is normally available immediately from your local distributor or it will be shipped within 7-10 working days upon receipt of order. Custom colors may take up to 8 working days before shipping. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Lexite Conductive Primer is manufactured in strict accordance with the quality control standards of Metalcrete Industries. Metalcrete Industries assumes no liability for incidental or consequential damages, direct or indirect. Liability is limited to the net selling price of our product or the replacement of our product.

8. Important Note

Information provided is accurate to the best of our knowledge. End user assumes responsibility for testing material prior to specification or application of our products to ensure internal standards for each application are met. Metalcrete Industries assumes no responsibility for the workmanship of installers.

9. 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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