



LEXITE CONDUCTIVE TOP COAT

*High Solids, High Build
Conductive Epoxy Top Coating*

1. Product Description

a. **Basic Use:** Lexite Conductive Top Coat is a highly conductive and static dissipative high build epoxy top coating intended to protect horizontal surfaces against both abrasion and chemical attack. Lexite Conductive Top Coat may be applied to concrete and metal substrates. It is important that this product be used in conjunction with Lexite Conductive Primer to achieve proper conductive performance.

b. Features/Benefits:

- Dense surface will resist mildew and bacteria growth.
- 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.
- Static disseminating properties help prevent electric charge build-up.
- Easy clean-up with soap and water.

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

e. **Composition:** Lexite Conductive Top Coat is a two-component liquid compound consisting of special conductive pigments and fibers in a 98% solids epoxy matrix.

f. **Color/Appearance:** Lexite Conductive Top Coat is available in a wide range of standard colors including; light gray, medium gray, charcoal gray, dark gray, light blue, tile red, green. Custom colors are available on special order.

NOTE: This product incorporates the use of conductive pigments as well as conductive fibers. The conductive fibers are black in color and will appear in the floor surface as black specs. This is normal and should not be considered as flaws in the coating.

2. Packaging

Lexite Conductive Top Coat 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>3 gal. (11.4 liter)</i>	<i>2 gal. (7.6 liter)</i>	<i>1 gal. (3.8 liter)</i>	<i>31 lbs. (14.1 Kg)</i>
<i>15 gal. (56.8 liter)</i>	<i>10 gal. (37.8 liter)</i>	<i>5 gal. (18.9 liter)</i>	<i>150 lbs. (68.0 Kg)</i>

3. Estimating/Coverage

The recommended application rate is 100 sq. ft./gal. (2.45 sq. m/liter) which yields a dry film thickness of 16 mils (0.41 mm). When coating rough surfaces or where additional protection is required, Lexite Conductive Top Coat may be installed at application rates up to 50 sq. ft./gal. (1.23 sq. m/liter) which yields a film thickness of 32 mils (.82 mm). Lexite Conductive Top Coat is normally applied in one application.

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. **Resistivity:** 0.5 - 10.5 megaohms ASTM F 150 (NFPA 56A).
- f. **Static Charge Decay:** 5,000 volt charge disperses to zero in less than 0.10 seconds.
- g. **Conductivity:** Complies with DOD-HDBK-263 (Electrostatic Discharge Control Handbook for Protection of Electrical Parts, Assemblies & Equip.).
- h. **Surface Resistance:** <250,000 ohms NFPA 99.

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 Conductive Top Coat must be primed first with Lexite Conductive Primer and allowed to dry for at least 8 hours before applying the top coat.

c. **Mixing:** Thorough blending of all components is essential. Mixing ratio is 2 parts 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 material.

d. **Application:** After the substrate has been primed and allowed to dry, distribute the mixed Lexite Conductive Top Coat 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 technique. Lexite Conductive Top Coat is normally applied in one heavy application. Double coating may reduce the conductivity of the surface.

e. **Working Time/Pot Life:** All mixed Lexite Conductive Top Coat should be applied within 30 minutes after mixing.

f. **Cure Time:** Lexite Conductive Top Coat becomes tack-free in approximately 8 hours. The coated surface can be exposed to light traffic 24 hours after final application. 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 Top Coat 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. If recoating becomes necessary it may be necessary to reprime the surface. Consult a Metalcrete representative for special instructions.

6. Availability

Lexite Conductive Top Coat is normally available immediately from your local distributor or it will be shipped within 5 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 Top Coat 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

4133 Payne Avenue • Cleveland, Ohio 44103
440-526-5600 • 800-526-5602 • FAX 440-526-5601