

# AMERICAN COATINGS

## EL SERIES HIGH BUILD EPOXY TANK LINING

High build epoxy finishes for heavy duty performance in severe environments.

### GENERAL FEATURES

- EXCELLENT PRODUCT FOR MUD TANK SERVICE
- APPLY IN LOW TEMPERATURES USING WINTER CATALYST (EL LTC)
- GOOD CHEMICAL AND ABRASION RESISTANCE
- USER FRIENDLY APPLICATION PROPERTIES

### DESCRIPTION

American EL Series High Build Epoxy Coating is a lining exhibiting good chemical and abrasive resistance.

### USES

American Coatings EL Series Epoxy Coatings can be applied to the interior of piping, mud tanks or vessels to protect carbon steel from a variety of chemicals.\* These products can also be used in select external applications that are so severe that normal conventional coatings will not perform properly.

### \*NOTE:

see your American Coatings representative for specific chemical resistance.

### PHYSICAL DATA

Finish ----- Semi Gloss  
Applied Over ----- Properly, primed steel,  
aluminum, galvanize, masonry  
Components ----- Two  
Mix Ratio-----4:1  
Volume Solids  $\pm$  2% ----- 65%  
V.O.C. -----( varies with color ) ----- 3.2 lbs / gal.

### COLOR AVAILABLE

EL-14433 Red  
EL-14297 Gray  
EL-14440 Buff

**Recommended Wet Film Thickness**---6-9 mils per coat  
**Recommended Dry Film Thickness** ----3-5 mils per coat  
Number of Coats Recommended-----Two  
Application Method ----- Conventional, airless,  
brush or roller

**Thinning Required**----- 10 – 15% TH 760  
Approx. dry times at 50% R.H.  
Using – EL CAT ----- ELLTC ----- ELLTC  
Temp ---- 77 F ----- 77 F ----- 40 F  
Touch ----2 hrs ----- 2 hrs ----- 3 hrs  
Topcoat --12 hrs ----- 6 hrs ----- 15 hrs  
Through --24 hrs ----- 12 hrs ----- 36 hrs

**Theoretical Coverage at** -----347 – 208 sq.ft/gal.\*  
1 dry mil

### Temperature Limit

Immersed ----- 175°F  
Atmospheric ----- 225°F

### Miscellaneous Properties

Shelf Life ----- 1 year  
Pot Life – mixed @ 77°F ----- 6 – 8 hours

### Miscellaneous Properties

Shelf Life-----1 year  
Pot Life-Mixed @77°F using EXP-----6-8 hrs  
Using EXPLTC ----- 4 hrs

**CAUTION:** Elevated temperature will shorten pot life

### Surface Preparation

#### **Steel: Immersion Service:**

White Metal Blast (SSPC-SP5-63) (Sa3)

**Anchor Profile:** 1.0-1.5 mils minimum

#### **Non Immersion Service:**

Commercial Blast (SSPC-SP6-63) (Sa2)

**Concrete:** Chemical Clean with TH950 Chemical

Cleaner or Abrasive blast to a 1-1.5 mil anchor profile

\*Coverages are theoretical and do not make provision for spray losses

**APPLICATION INFORMATION**

Do not apply at temperatures below 50°F\* or humidities above 85%.

\* Cold Cure Catalyst ( EL LTC ) is available

**APPLICATION METHOD**

Conventional or Airless spray preferred. Brush or roller application acceptable.

**MIXING**

Mix 4 parts Part A to 1 Part B ELCat or 1 Part B EL LTC in cooler weather using good mechanical agitation.

**CAUTION:** Elevated temperature will shorten pot life

**CLEAN-UP AND THINNING**

Clean-up and thin with American Coatings TH 760 Thinner.

**SPRAY EQUIPMENT**

**FOR AIRLESS SPRAY**

Pump Ratio -----30:1  
Hose Diameter (ID) ----- 1/4”  
Hose Length ----- 100’  
Hose Length ----- 50’  
Tip Size (in) ----- .017-.021”  
Atomization Pressure (psi) ----- 2,400 psi

**FOR CONVENTIONAL SPRAY**

Spray Pot with Dual Regulated Air Pressure Gauges  
Separate Air Gauges for Pot Pressure and Atomizing Air  
Material Hose (ID) ----- 1/4”  
Material Hose Length -----50’Max  
Air Hose (ID) ----- 5/16”  
Fluid Pressure (psi) ----- 10 – 25  
Atomization Pressure (psi) ----- 50 – 75  
Fluid Tip Orifice Size (in) ----- .070

**SAFETY INFORMATION:**

**WARNING! FLAMMABLE, HARMFUL IF INHALED, CAUSES IRRITATION**

Keep away from heat, sparks or flame. Vapors may cause flash fire. Use with adequate ventilation. Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator during and after applications unless air monitoring demonstrates vapor/mist levels are below applicable limits. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

**SHIPPING DATA**

Proper Shipping Name -----Paint Liquid  
Hazard Class----- Flammable Liquid  
Flash Pt. °F SET----- 80°F Part A  
45°F Part B  
UN No.-----1263

**PACKAGING**

<b>Shipping WT.</b>	<b><u>PART A</u></b>	<b><u>PART B</u></b>
	Ones 12.75 lbs.	Quart 2 lbs.
	Fives 53 lbs.	Gal 8.75 lbs.

**DISCLAIMER**

The facts stated and the recommendations and suggestions herein are based upon experiments and supplier information believed to be reliable. No guarantee is made of their accuracy, however, and American Coatings ASSUMES NO LIABILITY FOR PRODUCT FAILURE OTHER THAN TO SUPPLY REPLACEMENT MATERIAL FOR PRODUCTS SHOWN TO BE DEFECTIVE WHEN DELIVERED OR TO REFUND THE PURCHASE PRICE. Except as stated, THERE ARE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. AMERICAN COATINGS SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL AND CONSEQUENTIAL DAMAGES. No statement contained herein shall be construed as an inducement to infringe existing patents or as an endorsement of specific manufacturers.

Revised 10/06

