



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 ± 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



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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 EL Cat 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

Shipping WT.	<u>PART A</u>	<u>PART B</u>
	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