

# AMERICAN COATINGS

## TL-1 EPOXY LAMINATING COATING

A 100% solids epoxy for laminating with fiberglass for a 62 mil lining system.

### GENERAL FEATURES

- EXCELLENT CHEMICAL RESISTANCE
- SPRAYABLE
- HIGH FILM BUILD
- PROCESS EQUIPMENT COATING

### DESCRIPTION

100% solids to minimize shrinkage. A chemical resistant epoxy coating with exceptional adhesion to various substrates. Excellent resistance to petroleum products, alkalies, salts, organic solvents and gases.

### USES

As a resin binder for reinforcing fiberglass mat or chopped fiberglass to produce a protective coating and lining, where excellent chemical resistance is required for the protection of interior tank bottoms exposed to sour crude, gasoline, military fuel, salt water and other petroleum products. Also, for the protection of exterior tank roofs under severe chemical exposures.

### PROPERTIES

Hardness (Rockwell M)	-----	105-120
Strength: (Lbs. X 10 <sup>3</sup> ) Adhesive	-----	1.6-2.7
(PSI X 10 <sup>3</sup> ) Compressive	-----	50-90
Flexure	-----	45-80
Shear	-----	17-22
Tensile	-----	33-50

### PHYSICAL DATA

Finish	-----	Gloss
Color	-----	Various
Applied Over	-----	Steel
Components	-----	Two
Cure	-----	Catalytic
Mix ratio	-----	2:1

Volume Solids  $\pm 2\%$  ----- 100%

### Recommended Dry Film

Thickness ----- 62 mils w/fiberglass

Application Method ----- Airless plural component

Thinning Required ----- DO NOT THIN.

Cure Time @ 77°F and 50% RH:

Recoat ----- Within 24 hrs.

Hard Dry ----- 12 – 24 hrs.

Topcoat ----- Alkyds, Epoxies, Polyurethane  
(Inorganic Zinc is not recommended)

Maximum re-coat interval at 77°F or less ----- 30 days

### Coverage With Glass:

Recommended Thickness ----- 25 sq. ft/gal

### Temperature Limit

Immersed ----- 190°F

Atmospheric ----- 250°F

### Miscellaneous Properties

Shelf Life ----- 1 Yr.

Pot Life – Mixed @ 77°F ----- 45 – 60 Min.

Pot life accelerates greatly at elevated temperatures.

### SURFACE PREPARATION

Near White Sandblast SSPC-SP10-63.

## **TL-1**

### **APPLICATION INFORMATION**

Do not apply if temperature is below 50°F and/or above 85% relative humidity.

### **APPLICATION METHOD**

Airless spray plural component process equipment.

### **MIXING**

Power agitate each component thoroughly.

### **CLEAN-UP AND THINNING**

Thinning is not recommended. Clean up tools and equipment with TH 760 thinner.

### **SPRAY EQUIPMENT**

Pump Ratio ----- 30:1  
Air Supply (in) ----- 100 psi  
Hose Diameter (ID) ----- ¼”  
Hose Length (max) ----- 75’  
Tip Size ----- .027  
Atomization Pressure (psi) ----- 2,400

### **SAFETY INFORMATION**

#### **WARNING! COMBUSTIBLE, HARMFUL IF INHALED, CAUSES IRRITATION**

Keep away from heat, sparks or flame. Use with adequate ventilation. Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator during and after application unless air monitoring demonstrates vapor/mist levels are below applicable limits.

### **SHIPPING DATA**

Proper Shipping Name ----- Paint Liquid  
Hazard Class----- Combustible Liquid  
Flash Point °F SETA

Part A ----- >200°F

Part B ----- >200°F

UN No.----- 1263

### **PACKAGING**

#### **PART A**

Fives ----- 52.50 lbs.

#### **PART B**

Fives----- 45.50 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 constructed as an inducement to infringe existing patents or as an endorsement of specific manufacturers.

10/2011