

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Epoxy
<b>Designation</b>	<p><b>This is a Carboline Specialty Product</b></p> <p>Minimum order quantities and special pricing will apply in North America. Contact your Carboline Sales Representative for more details.</p>
<b>Description</b>	A two component, 100% solids product to minimize shrinkage and for laminating with fiberglass for a 62 mil lining system. A chemical resistant epoxy coating with exceptional adhesion to various substrates. Excellent resistance to petroleum products, alkalies, salts, organic solvents and gases.
<b>Typical Uses</b>	<p>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.</p>
<b>Color</b>	Blue (0100)
<b>Finish</b>	Gloss
<b>Dry Film Thickness</b>	62 mils (1575 microns) with fiberglass
<b>Solids Content</b>	By Volume 100% +/- 2%
<b>Coverage Rate</b>	<b>With Glass:</b> 25 ft <sup>2</sup> /gal (0.61 m <sup>2</sup> /l)
<b>Theoretical Coverage Rate</b>	<p>1604 ft<sup>2</sup>/gal at 1.0 mils (39.4 m<sup>2</sup>/l at 25 microns)</p> <p>26 ft<sup>2</sup>/gal at 62.0 mils (0.6 m<sup>2</sup>/l at 1550 microns)</p> <p>Allow for loss in mixing and application.</p>
<b>VOC Values</b>	<p><b>As Supplied :</b> 0</p> <p>Calculated</p>
<b>Dry Temp. Resistance</b>	Continuous: 250°F (121°C)
<b>Temperature Resistance (Immersion)</b>	190°F (88°C)
<b>Topcoats</b>	<p>Alkyds, Epoxies, Polyurethane</p> <p>(Inorganic Zinc is not recommended)</p>

## SUBSTRATES & SURFACE PREPARATION

**General** | Near White Sandblast SSPC-SP10-63.

# American Coatings TL-1

## PRODUCT DATA SHEET



### PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	Results
Adhesive Strength (lbs x 10 <sup>3</sup> )	1.6-2.7
Compressive Strength (psi x 10 <sup>3</sup> )	50-90
Flexure Strength (psi x 10 <sup>3</sup> )	45-80
Hardness (Rockwell M)	105-120
Shear Strength (psi x 10 <sup>3</sup> )	17-22
Tensile Strength (psi x 10 <sup>3</sup> )	33-50

### MIXING & THINNING

**Thinning** | DO NOT THIN

**Ratio** | 2:1 by volume (A:B)

**Pot Life** | 45-60 minutes @ 77°F (25°C)  
Pot life accelerates greatly at elevated temperatures

### APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

**Plural Component  
Airless Spray** | Pump Ratio: 30:1  
Air Supply (in): 100 psi  
Hose Diameter (ID): 1/4" (0.64 cm)  
Hose Length: 75' (22.9 m)  
Tip Size: 0.027" (0.69 mm)  
Atomization Pressure: 2,400 psi

### APPLICATION CONDITIONS

Condition	Ambient
Minimum	50°F (10°C)

Do not apply if temperature is below 50°F (10°C) and/or above 85% relative humidity.

### CURING SCHEDULE

Surface Temp.	Dry Hard	Maximum Recoat Time
77°F (25°C)	18 Hours	24 Hours

**Curing Details** | Catalytic cure

## CLEANUP & SAFETY

### Safety

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.

**WARNING! COMBUSTIBLE. HARMFUL IF INHALED. CAUSES IRRITATION**

## PACKAGING, HANDLING & STORAGE

### Packaging

Part A: Fives  
Part B: Fives  
  
UN No. 1263

### Shelf Life

1 year

### Shipping Weight (Approximate)

Part A: 52.5 lbs (23.8 kg)  
Part B: 45.5 lbs (20.6 kg)

### Flash Point (Setaflash)

Part A: >200°F (93°C)  
Part B: >200°F (93°C)

## WARRANTY

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