

SELECTION & SPECIFICATION DATA

Generic Type	A 100% solids epoxy
Description	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.
Color	Blue (0100)
Finish	Gloss
Dry Film Thickness	62 mils (1575 microns) with fiberglass
Typical 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.
Solids Content	By Volume 100% +/- 2%
Coverage Rate	With Glass: 25 ft ² /gal (0.61 m ² /l)
Theoretical Coverage Rate	1604 ft ² /gal at 1.0 mils (39.4 m ² /l at 25 microns) 26 ft ² /gal at 62.0 mils (0.6 m ² /l at 1550 microns) Allow for loss in mixing and application.
Dry Temp. Resistance	Continuous: 250°F (121°C)
Temperature Resistance (Immersion)	190°F (88°C)
Topcoats	Alkyds, Epoxies, Polyurethane (Inorganic Zinc is not recommended)

SUBSTRATES & SURFACE PREPARATION

General | Near White Sandblast SSPC-SP10-63.

PERFORMANCE DATA

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

MIXING & THINNING

Thinning | DO NOT THIN

American Coatings TL-1 Epoxy

PRODUCT DATA SHEET



MIXING & THINNING

Ratio	2:1
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	Minimum Recoat Time
77°F (25°C)	18 Hours	30 Days	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.
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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)



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PACKAGING, HANDLING & STORAGE

Flash Point (Setaflash) | Part A: >200°F (93°C)
Part B: >200°F (93°C)

WARRANTY

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