

AMERICAN COATINGS

TL 75 SERIES LTC FAST RETURN TO SERVICE EPOXY PHENOLIC

Chemical resistant Low Temp Epoxy Phenolic tank lining with fast return to service properties.

GENERAL FEATURES

- HIGH PERFORMANCE TANK LINING
- LOW TEMPERATURE CURE
- FAST RETURN TO SERVICE
- RESISTANT TO A WIDE RANGE OF CHEMICALS
- USE FOR FUMES, SPLASH AND SPILL OF ACIDS

DESCRIPTION

The TL75 series is a two component glass filled modified epoxy coating. The TL75 Series is self priming and is designed for use in highly corrosive environments where the performance of a polyamide, amidoamine, or most amine cured epoxies are not adequate. TL 75 Series Epoxy Phenolics can be applied to steel, galvanize, aluminum, and concrete surfaces. They are reinforced for thermal and mechanical shock resistance.

USES

American TL75 Series can be applied to the interior of piping, 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. Excellent for Frac Tank service

Note: TL75 Series products are not light stable and are intended primarily for internal coating use. These products should always be topcoated within 24 hours @ 77°F for further resistance data see your American Coatings representative.

PRODUCTS

TL 7510 White Glass Flake Filled Epoxy Phenolic
TL 7525 Gray Glass Flake Filled Epoxy Phenolic

PHYSICAL DATA

Finish ----- Gloss
Color ----- See products above
Applied Over ----- Steel & Concrete
Components ----- Two
Cure ----- Catalytic 4:1

Volume Solids----- 75%
*ASTM – D-2697

Recommended Dry Film

Thickness ----- 12 / 20 mils
Number of Coats ----- one / two
Application Method ----- Conventional or Airless Spray
Brush or roller

Thinning if required----- 10 – 15% TH 770

Dry Time @ 77°F and 50% relative humidity.

Touch ----- 1 hour
Tack Free ----- 2 hour
Topcoat ----- 12 – 24 hours
Maximum re-coat interval if re-coating with EP 75 Series
if 77° or less ----- 30 days

*Theoretical Coverage at:

Recommended Thickness----- 140 – 187 sq. ft/gal.

Temperature Limit

Immersed ----- 180°F
Atmospheric ----- 250°F

Miscellaneous Properties

Shelf Life ----- 6 months
Pot Life – mixed @ 77°F ----- 4 hours

General Chemical Resistance Guide*

Alkalis, Crude Oil, Diesel Fuel - Recommended
Lubricating Oils, Fuel Oils – Recommended
MTBE, ETBE, TAME – Recommended
Methanol, Ethanol, Jet Fuel – Recommended
Acids – Recommended

*This is only a general guide. For specific recommendations consult your American representative

TL75 Series

SURFACE PREPARATION:

Steel: Immersion Service:

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

Acceptable- Near White Metal Blast (SSPC-SP10-63)

Non Immersion Service ----- Commercial Sandblast
(SSPC-SP6-63) (Sa2)

Concrete: Chemical clean with TH 950 or sandblast to a 1 to 1.5 mil anchor profile.

*Coverages are theoretical and do make provision for spray losses.

APPLICATION INFORMATION

Low Temperature Return to Service Guide*

32F - 40F ----- 3 days

42F - 58F ----- 2 days

59F - 76F ----- 1 day

77F or greater ----- 17 hrs

* this information is to be used as a general guide substrate temperature, humidity and film thickness can effect the final cure time

APPLICATION METHOD

Conventional or Airless spray preferred. Brush or roller acceptable. Gun filters should be removed in the application of the glass flake filled TL7510 and TL7525

MIXING

Thoroughly mix Part A resin with Part B (TL75 CAT) catalyst using mechanical agitation. (4:1)

CLEAN-UP AND THINNING

Clean up and thin with TH770 thinner.

SPRAY EQUIPMENT

FOR AIRLESS SPRAY

Pump Ratio ----- 30:1

Air Supply (in) ----- 100 psi

Hose Diameter (ID) ----- 1/4"

Hose Length ----- 100'

Tip Size ----- .019-.021

Tip Size (for EP8505, Ep8525) ----- .050 or larger

Atomization Pressure (psi) ----- 2,500

FOR CONVENTIONAL SPRAY

Spray Pot Dual Regulation

Air Gauges for Pot Pressure and Atomization Pressure

Air Supply (in) ----- 100 psi

Material Hose (ID) ----- 1/2"

Material Hose Length ----- 50'

Air Hose (ID) ----- 5/16"

Fluid Pressure (psi) ----- 25 - 50

Atomization Pressure (psi) ----- 70 - 100

Fluid Tip Orifice Size (in) ----- .086

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 SETA ----- 50°F

UN No.-----1263

PACKAGING

Shipping WT.

PART A

PART B

Ones 10 lbs. Quart 3 lbs

Fives 47.5 lbs. Ones 9 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 3/30/11

