

AMERICAN COATINGS

TL 85 SERIES EPOXY TANK LINING

GENERAL FEATURES

- 85% SOLIDS EPOXY COATING
- HIGH FILM BUILD
- HEAT RESISTANT TO 300F
- EXCELLENT CHEMICAL RESISTANCE

DESCRIPTION

This product is designed for a 2 coat application over steel, aluminum, galvanize, or concrete. It forms a highly chemical resistant system for tanks or process equipment where, heavy corrosion is a main concern. Also available is a glass flake filled version (TL85 GF) for increased abrasion resistance.

USES

The TL85 Series is used in the marine, oil, and chemical process industry in areas such as interior storage tanks, process vessels, pipes, ducts, hoods, scrubbers, exhaust fans, etc. Where areas need to be protected from aggressive chemicals. It may also be used as a primer under insulation

PHYSICAL DATA

Finish -----High Gloss
Color -----Off White, Blue, Gray
Applied Over ----- Properly prepared steel,
galvanize or aluminum

Components ----- Two
Cure ----- Catalytic 2:1
Volume Solids----- 85 %

*Note for specific chemical resistance information contact
Your American Coatings representative

Recommended Dry Film

thickness per coat----- 8 – 12 mils/coat
Number of Coats ----- Two
Application Method ----- Airless, Brush

Thinning Required-----None

Dry Time @ 77°F and 50% RH:

Set to touch ----- 4 Hours
Tack Free ----- 6 Hours
Recoat ----- overnight

*Theoretical Coverage at:

Recommended Thickness----- 57 – 85 sq. ft/gal.

Temperature Limit

Immersed ----- 150°F
Atmospheric ----- 300°F

Miscellaneous Properties

Shelf Life ----- 1 Year
Pot Life – 5 gal mixed @ 77°F----- 30 Minutes

SURFACE PREPARATION

Surfaces should be free of dust, dirt, oils, moisture and other
contaminants. White metal. Sandblast SSPC-SP5 - 63

*Coverages are theoretical and do not make provision for spray
losses

General Chemical Resistance Guide

Crude (sweet & sour)	E
Gasoline / Gasohol	E
Alkalis	E
Mineral Acids	E
Organic Acids	NR
Ethanol	E
Gases	E
Salts	E
Aliphatic Solvents	E
Aromatic Solvents	E

E= EXCELLENT G = GOOD

F = FAIR NR = NOT RECOMMENDED

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

CHEMICAL RESISTANCE STUDY (INITIAL SHORE D HARDNESS = 85)

Substance % Wt Chg. Hardness

98% Sulfuric	0.5 %	83
Acetic Acid	-3.8 %	39
M.E. K.	3.4 %	80
Toluene	0.1 %	82
Methanol	7.0 %	73

Above study, 7 day cure at 77 F
28 day immersion

This information is being furnished as a general guide. Consult your American representative for specific recommendations.

APPLICATION INFORMATION

Do not apply below 50° F or humidities above 85 percent.

APPLICATION METHOD

Preferred method is plural component, airless. Can be hot-potted, but be aware of short pot life.

MIXING

Thoroughly mix Part B catalyst with Part A using mechanical agitation if using single component airless. Do not over mix due to very short pot life.

CLEAN-UP AND THINNING

For clean-up use TH315 thinner.

SPRAY EQUIPMENT

FOR AIRLESS SPRAY:

(remove all inline filters, including those in the spray gun)

Pump Ratio ----- 45:1
Air Supply (in) ----- 100 psi
Hose Diameter (ID) ----- 1/4"
Hose Length ----- 50'
Tip Size ----- .019 - .025
Atomization Pressure ----- 2800 psi

SAFETY INFORMATION

FOR PROFESSIONAL USE ONLY! WARNING!

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. Refer to material safety data sheet (MSDS) regarding individual components

SHIPPING DATA

Dot Proper Shipping Name ----- Paint Liquid
Dot Hazard Class ----- Flammable Liquid
UN Number -----UN1263

PACKAGING

Shipping WT. ----- Part A Part B
 Fives 52 lbs. 10 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.

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