

AMERICAN COATINGS

TL53 EPOXY LINING

GENERAL FEATURES

- 100% SOLIDS HIGH PERFORMANCE TANK LINING
- SELF PRIMING
- RESISTANT TO A WIDE RANGE OF CHEMICALS
- CAN BE APPLIED WITHOUT PLURAL COMPONENT EQUIPMENT

DESCRIPTION

American TL53 products are formulated as a flexible tank-lining product that is both self priming and resistant to a very wide range of chemicals. TL53 Series can be applied to steel, galvanize, aluminum, and concrete surfaces. Also available in a glass flake filled version (TL53GF) for additional abrasion resistance.

USES

American TL53 Series can be applied to the interior of piping, tanks, or vessels to protect carbon steel from a variety of chemicals. These products are formulated as a flexible direct to metal lining for holding gasohol, diesel, ethanol and crude oil up to 130F.

Note: for further resistance data see your American Coatings representative.

PRODUCTS

TL53 Epoxy Lining
TL53 GF Glass Flake Epoxy Lining

PHYSICAL DATA

Finish ----- Gloss
Color ----- Gray
Applied Over ----- Steel & Concrete
Components ----- Two
Cure ----- Catalytic 3:1

Volume Solids----- 100%

*ASTM – D-2697

Recommended Dry Film

Thickness ----- 20 – 25mils
Number of Coats ----- one
Application Method ----- Conventional or Airless Spray
Brush or roller

Thinning Required----- none

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

Touch ----- 5 hours
Through ----- 7 hours
Topcoat ----- 9 hours

***Theoretical Coverage at:**

Recommended Thickness----- 65 – 80 sq. ft/gal.

Temperature Limit

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

Miscellaneous Properties

Shelf Life ----- 1 year
months

Pot Life – mixed @ 77°F ----- 30 – 45 min
(not thinned 9 gallon mix)

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.

TL53 Series

General Chemical Resistance Guide

Fresh Water, Waste Water, Salt Water	Excellent
Gasohol, Gasoline, Diesel	Excellent
Crude Oil	Excellent
Most Solvents	Excellent
Salts	Excellent
Gases	Excellent
Alkalis	Excellent
Mineral Acids (fumes and splash)	Good

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

APPLICATION INFORMATION

Do not apply at temperatures below 40°F or humidity above 85%.

APPLICATION METHOD

Airless spray preferred. Brush or roller acceptable.

MIXING

Thoroughly mix Part A resin with Part B catalyst using mechanical agitation. (3:1)

CLEAN-UP AND THINNING

Clean up with TH315 or TH790 thinner.

SPRAY EQUIPMENT

FOR AIRLESS SPRAY

Pump Ratio ----- 45:1
 Air Supply (in) ----- 100 psi
 Hose Diameter (ID) ----- 1/4"
 Hose Length ----- 100'
 Tip Size ----- .017-.019
 Tip Size (for tl53 GF ----- .050 or larger
 Atomization Pressure (psi) ----- 2,800

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

PACKAGING

Shipping WT.	<u>PART A</u>	<u>PART B</u>
	3 gallon unit 42 lbs.	1 gallon 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.

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