

ARCHCO 462 EPOXY PHENOLIC NOVOLAC

Amine-Cured Phenolic for Internal Tank Linings

Description

This lining-grade epoxy has wide chemical resistance and is suitable for use as a chemically resistant coating for aggressive exposures or as a lining for a variety of chemical exposures. It is designed for internal tank and pipe linings.

Uses

- Corrosion protection for heavily pitted steel tank floors
- Protect tanks and piping against crude oil, seawater, wastewater, fuels, solvents, ethanol, lubricants, and various acids and bases.

Features

- Excellent resistance to acids, caustics, ethanol, gasoline, jet fuels, and solvents
- Fast dry times for rapid top-coating
- Self-priming
- Low V.O.C. content – 0.98 lb./gal
- Application by conventional or airless spray
- Excellent for splash, spill and film exposures on structural steel

Application

Application conditions: Surface should be dry, above 50°F (10°C) and at least 5°F (-15°C) above the dew point. Surface preparation: Remove all grease, oil, dirt, or other contaminants. Corrosive service: SSPC-SP6 commercial blast cleaning or SSPC-SP10 near white metal blast cleaning. Immersion service: SSPC-SP10 near white metal blast cleaning. Blast Profile: 2.0-3.0 mils (50-75 microns).

For complete application instructions please refer to Archco 462 Epoxy Lining Application Specifications.

Storage

Store containers in a dry, well-ventilated area. The containers should be kept tightly sealed. Shelf life: 6 months when stored between 41°F - 110°F (5°C- 43°C).

Cleaning

Clean equipment with ARCHCO Thinner 400E or equivalent solvent cleaner.



TECHNICAL DATA SHEET

HSE

Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See Safety Data Sheet (SDS) for further Information.

Packaging

1 and 5 gallon (3.7 and 19 L) kits.

Tech Data

Properties	Imperial	Metric
Solids by Volume	85%	85%
Mixing Ratio (A/B) by Volume	4:1	4:1
Operating Temperature		
Immersed	200°F	93°C
Atmospheric	275°F	135°C
Dry Film Thickness / Coat	5 to 6 mils	128 - 153 microns
Number of Coats	2	2
Theoretical Coverage @ 3 to 6 mils	227 - 273 sq. ft/gal	5.57 - 6.70 m ² /l
Thinning Required	0 to 10%	0 to 10%
Thinner	Archco Thinner 400E	Archco Thinner 400E
Shelf-Life	6 months	6 months
Flash Point	68°F	20°C
Pot Life @ 77°F (25°C)	2 hours+	2 hours+
Dry Times @ 77°F (25°C) Dry to Handle		
Set	30 minutes	30 minutes
Tack Free	2 hours	2 hours
Topcoat	6 hours	6 hours
Recoat Window @ 77°F (25°C)	Max Recoat - 7 days	Max Recoat - 7 days
Performance Data		
Oil Immersion (ASTM D-1308)	Passes 1,000 hours	Passes 1,000 hours
Salt Water Immersion (ASTM D-1308)	Passes 1,000 hours	Passes 1,000 hours
Pencil Hardness (ASTM D-3363)	H	H
Adhesion (ASTM D-4541)	2,800+ psi	2,800+ psi
Salt Fog Resistance (ASTM B-117)	2,000+ Hours Passes	2,000+ Hours Passes
Color	Gray and Green	Gray and Green



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