

ARCHCO™ 460 EPOXY PHENOLIC

Two Part 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 steel tanks and internal pipes in a variety of industries. Archco 460 will protect tanks and piping against crude oil, seawater, wastewater, fuels, solvents, ethanol, lubricants, and various acids and bases.

Features

- Versatile coating with wide chemical resistance
- Outstanding corrosion resistance
- Fast dry times for rapid top-coating
- Self-priming
- Low V.O.C. content – 1.7 lb/gal
- Application by conventional or airless spray
- Excellent adhesion and abrasion resistance

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, dust 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.

For complete application instructions please refer to Archco 460 Epoxy Lining Application Specifications.



Archco™ 460 Epoxy Phenolic

TECHNICAL DATA

PROPERTIES	VALUE
Mix Ratio	19 to 1 (A to B) by Volume
Solids by Volume	75%
Operating Temperature	
Immersed	175°F (80°C)
Atmospheric	250°F (108°C)
Dry Film Thickness / Coat	5 to 6 mils (128 – 153 microns)
Number of Coats	2
Theoretical Coverage @ 3 to 6 mils	301 – 150 sq. ft/gal
Thinning Required	0 to 15%
Thinner	ARCHCO Thinner 400E
Shelf Life	6 Months
Flash Point	68°F
Pot Life @ 77°F	2 Hours+
Dry Times @ 77°F Dry to Handle	
Set	30 Minutes
Tack Free	2 Hours
Topcoat	6 Hours Recoat Window 30 Days Max ***@ 77°F (25°C) or less***
Performance Data	
Oil Immersion (ASTM D-1308)	Passes 1000 hours
Salt Water Immersion (ASTM D-1308)	Passes 1000 hours
Pencil Hardness (ASTM D-3363)	H
Adhesion (ASTM D-4541)	1000+ psi
Salt Fog Resistance (ASTM B-117)	1000+ Hours Passes
Color	Gray and Green

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.

HEALTH AND SAFETY: 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.



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