

# 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<br>***@ 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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