

# ARCHCO 390™

## Multi-Purpose Epoxy Siloxane Topcoat

### Description

Archco 390 is a two-part, high-performance Epoxy Siloxane Topcoat, specifically designed to provide effective long-term corrosion control and weatherability in high chemical and chloride atmospheres. It combines the properties of both a high-performance epoxy and an excellent gloss-retentive polyurethane.

### Uses

- Pipeline coating
- Structural steel coating
- Railcar coating
- Concrete coating
- Anti-microbial coating

### Features

- Extraordinary gloss retention and weather resistance
- Excellent corrosion and chemical resistance
- Excellent abrasion and solvent resistance

### Application

**Mixing:** Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified. Agitate base (Part A) and catalyst (Part B) with a power agitator. Combine entire contents of catalyst (Part B) with base (Part A) and mix thoroughly with power agitator.

**Surface Preparation:** Surface preparation is very important and will improve the adhesion and extend the life of the Archco 390. Surface preparation should include the following: Surface must be at least 40°F (4°C) prior to application. Surfaces must be dry, clean, free of oil, grease, and other contaminants and must be structurally sound. Corrosive service: SSPC-SP6 commercial blast or SSPC-SP10 near-white metal blast.



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# TECHNICAL DATA SHEET

**Immersion Service:** SSPC-SP10 near-white metal blast. Prime with Archco 300™. Recommended DFT - 4 to 8 mils (100 - 200 microns).

**Airless Spray Recommended:** Tip range 19-21 thou. Total output fluid pressure at spray tip not less than 3000 psi (26.7 MPa). For airless spray application: a 45:1 pump or larger is recommended. Ideally, fluid hoses should not be less than 3/8" (9.53 mm) ID and not longer than 50 feet (15 m) to obtain optimum results. Product can also be hand brushed or rolled.

Typical Film Thickness: Wet - 4 to 6 mils (100 to 150 microns)  
Dry - 4 to 6 mils (100 to 150 microns)

## Storage

Store in a dry, well-ventilated area between 40°F to 105°F (4°C to 41°C) in original, unopened containers. Shelf life is at least 24 months under these conditions. It is recommended that all components be stored between 68°F to 86°F (20°C to 30°C) for 24 hours prior to use for optimum pumping and productivity.

## Cleaning

Clean equipment with MIBK or MAK.

## Health Safety

Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. Refer to safety data sheet for further information.

## Packaging

5 gallon (19 Liters) kits. Other sizes available upon request.

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## TECHNICAL DATA

PROPERTIES	VALUE
<b>Solids Content</b>	100% ( ± 0.2%)
<b>Mixed VOC</b>	0.00 lb/gal
<b>Mix ratio (A/B) by Volume:</b>	3 parts base (Part A) to 1 part catalyst (Part B)
<b>Dry time @ 77°F and 50% rh</b>	
Set time	4 hour
Tack Free	6 hour
Through Cure	10 hours
Full Cure	7 days
<b>Gloss level</b>	High
<b>Thickness</b>	
Wet	4 to 6 mils (100 to 150 microns)
Dry	4 to 6 mils (100 to 150 microns)
<b>Pot life</b>	
@ 77°F (25°C)	6+ hours
<b>Product color</b>	White or Light Gray
<b>Flash Point</b>	Mixed > 200°F (93°C)
<b>Thinner</b>	Not normally required, but if needed, MIBK or MAK
<b>Clean up</b>	MIBK or MAK



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