

ARCHCO 390 POLYSILOXANE

Multi-Purpose Epoxy Siloxane (Epoxy Siloxane Hybrid) Finish

Description

Archco 390 Polysiloxane is a two-part, high-performance finish coat, 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 system. 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. 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 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).



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TECHNICAL DATA

PROPERTIES

VALUE

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

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 AND SAFETY: Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See safety data sheet for further information.

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



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