

PRODUCT DATA SHEET

ARCHCO™ 380 ACRYLIC EPOXY

A Two Component, High Solids Acrylic Epoxy Finish Coat

Description

An aliphatic-epoxy cross-linked acrylic coating designed to incorporate the characteristics of polyurethane coatings such as high gloss, exterior durability, chemical resistance, solvent resistance, mar resistance and flexibility.

Uses

- As an isocyanate free alternative
- Refineries/tank farms
- Offshore/marine coating
- Commercial transport coating
- Structural steel coating
- Chemical industry
- Power and heavy industry

Features

- Excellent gloss retention
- Excellent color retention
- Good corrosion and chemical resistance
- No recoat window

Application

Mixing: Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. 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 a power agitator.

Surface Preparation: Surface preparation is very important and will improve the adhesion and extend the life of the Weathershield 950 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 SSC-SP10 near-white metal blast. Immersion service: not recommended. Prime with Archco 300. Recommended DFT - 4 to 8 mils.

Airless Spray Recommended: Tip range 17-21 thou. Total output fluid pressure at spray tip not less than 3000 psi. For airless spray application: a 45:1 pump or larger is recommended. Ideally, fluid hoses should not be less than 3/8" id and not longer than 50 feet to obtain optimum results. Product can be brushed sparingly or rolled. Typical film thickness (total 4 to 6 mils dry, applied in 2 coats) Wet: 4 to 6 mils (100 to 150 microns) per coat Dry: 2 to 3 mils (50 to 75 microns) per coat.



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TECHNICAL DATA

PROPERTIES

VALUE

Solids Content (by Volume)	51.5%
Mixed VOC	3.34 lbs./gal (401 g/l)
Mix ratio by Volume:	4 to 1 (4 parts base to 1 part catalyst)
Dry time @ 77°F and 50% rh	
Set time	10 minutes
Tack Free	4 hour
Dry hard	24 hours
Full Cure	7 days
Gloss level	High
Pot life	12 hours
Product color	White of Light Gray
Flash Point	Mixed 68°F (20°C)
Thinner	N-butanol
Clean up	N-butanol or MEK

STORAGE: Store in a dry, well-ventilated area between 40°F to 105°F (4°C to 41°C) in original, unopened containers. 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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