

ARCHCO 380™

ACRYLIC EPOXY

High-solids Acrylic Epoxy Topcoat

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, while being isocyanate-free.

Uses

Aesthetically pleasing, isocyanate-free coating with excellent exterior durability for protecting existing, exterior surfaces in a variety of industries, such as petrochemical storage tanks, offshore/marine structures, commercial transport vehicles, and power and heavy industry structures.

Features

- Isocyanate-free
- 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.

1. Agitate base (Part A) and catalyst (Part B) with a power agitator.
2. 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 Archco 380 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.

Application Guidance:

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 no longer than 50 feet to obtain optimum results.

- 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

Application by roller. Nap size 3/16" to 3/8". Surface must be at least 40°F (4°C), dry, clean, free of oil, grease and must have a sweep blast, according to SSPC-SP7 Brush-off Blast Cleaning (NACE No.4) in preparation for the new coating.

- Typical film thickness: 4 to 6 mils (100 to 150 microns) dry in one coat.



Archco 380™ Acrylic Epoxy

TECHNICAL DATA

PROPERTIES	VALUE
Solids Content (by Volume)	65.5%
Mixed VOC	2.27 lb/gal (272 g/l)
Mix Ratio by Volume:	4 parts base to 1 part catalyst
Dry Time @ 77°F (25°C) and 50% RH	
Set time	10 minutes
Tack Free	4 hour
Dry hard	24 hours
Full Cure	7 days
Gloss Level	High
Pot Life @ 77°F (25°C)	12 hours
Product Color	White or Light Gray
Flash Point (Mixed System)	68°F (20°C)
Thinner	N-butanol
Clean-up Solvent	N-butanol or Methyl Ethyl Ketone (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 N-butanol or Methyl Ethyl Ketone (MEK)

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



HOUSTON:
9710 Telge Road,
Houston, Texas,
U.S.A. 77095
Tel: 1-281-821-3355
Fax: 1-281-821-0304

TORONTO:
90 Ironside Crescent,
Unit 12, Toronto,
Ontario, Canada M1X1M3
Tel: 1-416-291-3435
Fax: 1-416-291-0898

e-mail: info@premiercoatings.com

www.premiercoatings.com

A Member of Winn & Coales International

The information given on this sheet is intended as a general guide only and should not be used for specification purposes. We believe the information to be accurate and reliable but do not guarantee it. We assume no responsibility for the use of this information. Users must, by their own tests, determine the suitability of the products and information supplied by us for their own particular purposes. No patent liability can be assumed.