Archco 300™ Epoxy Primer

Two-Part Epoxy Primer

Description

Archco 300 Epoxy Primer is a low-VOC, two-component coating that provides excellent protection on above-ground steel and concrete surfaces. It's good penetration and adhesive properties ensure excellent protection in long-term exterior exposure. A low-temperature (LT) hardener is available.

Uses

- Offshore Equipment
- Marine Vessels
- Storage Tanks
- Petrochemical Industries
- Oil Production Rigs
- Above Ground Piping
- LT Hardener Available

Features

- Excellent adhesion
- 60-day re-coat window at 70°F (21°C) with any of our linings
- Cures at temperatures down to 35°F (2°C)
- Cures at temperatures down to 25°F (-4°C) when LT hardener is used
- Not susceptible to amine blush
- Excellent wetting properties
- Cures under cool and damp climates
- Good flexibility

Application

APPLICATION CONDITIONS: Surface should be dry, above 35°F (2°C) and at least 5° F (3°C) above the dew point in accordance with SSPC SP-1.

SURFACE PREPARATION: Remove all grease, oil, dirt, dust or other contaminants.

NORMAL SERVICE: SSPC – SP2 and SP3 Hand and Power Tool Cleaning.

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CORROSIVE SERVICE: SSPC – SP6 Commercial Blast Cleaning or SSPC – SP10 Near-White Metal Blast Cleaning.

IMMERSION SERVICE: SSPC – SP10 Near-White Metal Blast Cleaning.

CONCRETE SERVICE: Surfaces should be lightly sandblasted and/or acid etched. If acid etching is used, the surface should be rinsed with fresh water and allowed to dry thoroughly before application of the Archco 300 Epoxy Primer. Note: Concrete must be cured for at least 28 days prior to application of Archco 300 Epoxy Primer.

PREVIOUSLY PAINTED SURFACES: Remove all grease, oil, dirt, dust or other contaminants. Surface must be clean and dry. Remove all rust, rust scale, chalk, and loose peeling paint by SSPC – SP2 or SP3 Hand or Power Tool Cleaning, or SSPC – SP7 Brush-Off Blast Cleaning.

RECOMMENDED TOP COAT: Topcoat with Archco 65™ Acrylic Urethane, Archco 380™ Acrylic Epoxy or Archco 390™ Polysiloxane or Archco 381™ High-Gloss Hybrid. Store in a dry, well-ventilated area between 40°F and 90°F (4°C to 32°C) in original, unopened containers. Shelf life is at least 12 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.

Storage

Minimum 2 Years when @ 40°F (4°C) to 105°F (41°C).

Cleaning

Archco 400E™ Thinner, MEK or equivalent solvent cleaner.

Health & Safety

Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. Do not ingest. See Safety Data Sheet (SDS) for further information.

Packaging

Standard kit - 4-gallon (15 liter) kits.

Archco 300™ Epoxy Primer

Technical Data

Properties	Value	*LT Hardener Added*
Solids By Weight	85%	*70%*
Solids By Volume	76%	*54%*
Viscosity @ 77°F (25°C)	140 KU	*140 KU*
Pot Life	4 Hours	*1 Hour*
Theoretical Coverage	1219 ft^2/gal @ 1 mil dft (7.9 m^2/l @ 127 micron dft)	
Recommended D.F.T.	4.0 - 8.0 mils/coat (102 - 203 microns)	
Shelf Life @ 40°F (4°C) to 105°F (41°C)	2 years	2 years
Flash Point	40°F (4°C)	40°F (4°C)
Dry Time @ 77°F (25°C), 55% R.H. @35°F		
To Touch:	1 Hour	*24 Hours*
Tack Free:	3 Hours	*48 Hours*
To Recoat:	6 Hours	*10 Hours min.*
Recoat Window	90 days @ 77°F (25°C)	90 days @ 77°F (25°C)
Temperature Resistance (Dry)	200°F (93°C)	200°F (93°C)
V.O.C.	1.66 lbs/gal (199 grams/L)	*1.50 lbs/gal (180 grams/L)*
Thinning	Thinner 400 (5% -15%)	Thinner 400 (5% -15%)
Ratio by volume (A to B)	3:1 Ratio	3:1 Ratio
WT. / Gallon	12.25 lbs / gal	12.25 lbs / gal
Application Method	Brush, Roll, Spray	*Spray Only*
Appplication Equipment		
Conventional	DeVilbiss 510 Gun / E Tip + Needle, 704 Air Cap	
Airless	or Graco Pump, .012 - .021 Tip or equivalent	
Gloss	Semi-Gloss	
Color	Brick Red, Beige & Other Colors Upon Request.	

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