

ARCHCO™ 401 EPOXY

Penetrating Epoxy Sealer

Description

Archco 401 Penetrating Epoxy Sealer is a two-part, 100% solids epoxy system designed to be applied over heavily pitted tank floors requiring sealing prior to overcoating with Archco lining systems. Best applied using single-leg airless spray or roller.

Uses

Sealing of heavily pitted tank floors. Suggested top coats include Archco 400HB, Archco 476, and the Archco 453 series.

Features

- Excellent penetration properties
- Very low viscosity
- Contains no solvent – zero VOC

Application

All components shall be removed from the steel surface to be coated. Oil and grease should be removed in accordance to SSPC-SP-1. Surfaces shall be free from projections. Sharp edges, high points and fillets must be ground smooth including all corners. Prepare surfaces by grit blasting to a clean, near-white finish, per SSPC-SP-10, NACE No. 2 or Sa 2-1/2. Appropriate angular grit shall be used to achieve a 2 to 3 mil (51-76 microns) anchor profile.

To spray the Archco 401 Penetrating Sealer, a single-leg, airless spray unit shall be used. The unit shall have a minimum of 45:1 airless pump. No thinner should be used. A wet-on-wet spray technique should be used to achieve 5-6 mils (127-152 microns) DFT. The coating thickness should be measured using a wet-film thickness gauge.

Note: Not to be used as a holding primer

For complete application instructions, please refer to Archco 401 Penetrating Sealer Application Specifications.



Archco 401 Epoxy

TECHNICAL DATA

PROPERTIES	VALUE
Solids Content	100%
Mixed Viscosity @ 72°F (22°C)	60 - 120 CP
Minimum Dewpoint/Substrate Differential	Dewpoint +5°F (+3°C)
Minimum Substrate Temperature	50°F (10°C)
Operating Temperature	-4°F (-20°C) to 150°F (65°C)
Dry Film Thickness per coat	5 to 6 Mills (127 - 152 microns)
Theoretical Coverage	320 SF/Gal (7.9 m ² /L @ 5 Mills (127 microns)
Spray Equipment Required	45:1 Airless Unit
Airless Spray Tip Size	0.013 – 0.017 in. (0.33 - 43 mm)
Shelf Life @ 41°F (5°C) to 110°F (43°C)	24 Months
Flash Point	225°F (107°C)
Steel Temperature Application	40°F to 120°F (4°C to 49°C)
Pot Life	
@ 77°F (25°C)	60 Minutes
@ 90°F (32°C)	30 Minutes
Dry to Handle	
@ 50°F (10°C)	20 - 24 Hours
@ 77°F (25°C)	10 - 12 Hours
@ 90°F (32°C)	5 - 6 Hours
Ratio by volume (A to B)	2:1 Ratio
Performance Data	
Crude Oil	Excellent
Water	Excellent
Solvents	Very Good
Acids (inorganic)	Very Good
Salt	Excellent
Color	Clear

STORAGE: Minimum 24 months when stored in original containers @ 41°F (5°C) to 110°F (43°C).

CLEANING: Clean equipment with MEK, Archco 400E Thinner or equivalent solvent cleaner.

HEALTH AND SAFETY: Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See Safety Data Sheet (SDS) for further information.

PACKAGING: 5 gallon (19 L) kits standard. Other kit sizes are available upon request.



DENSO NORTH AMERICA

HOUSTON:

9747 Whithorn Drive,
Houston, Texas,
U.S.A. 77095
Tel: 281-821-3355
Fax: 281-821-0304

TORONTO:

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

www.densona.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.