PRODUCT DATA SHEET

PROTAL™ 7300

Moisture Tolerant Pipeline Liquid Coating

Description

Protal 7300 is a VOC free, 100% solids epoxy coating specially formulated to coat dry, damp or wet surfaces. It is a high build liquid coating that can be applied by applicator pad or brush.

Uses

For the exterior coating of pipelines, structures or other steel surfaces that may be wet or damp due to the environment or as a result of atmospheric condensation.

Features

- Fast cure on cold, damp or wet pipe
- Can be applied to wet or damp surfaces
- High build (up to 50 mils / 1270 microns in one coat)
- Excellent adhesion to wet and damp surfaces
- Safe and environmentally friendly
- Does not shield cathodic protection
- Excellent gouge, abrasion and impact resistance
- Can easily be applied with applicator pad or brush method
- Meets AWWA C-210-92 specifications
- Outstanding self-leveling characteristics

Application

Prepare surfaces by blasting to a clean near white finish, SSPC-SP 10, NACE No. 2 or Sa 2-1/2. Appropriate angular abrasive shall be used to achieve a 2.5 to 5 mil (63 to 127 microns) anchor profile. Initially stir the base and hardener. Add hardener to the base and mix at a slow speed until a constant color is achieved making sure all sides of container are scraped. Application shall take place immediately after mixing. Apply product onto the surface with Premier Coatings Applicator Pad or brush, spread down and around the surface in bands beginning from the leading edge of the material. If applying to a wet surface displace water as the coating is being applied. A wet-film thickness gauge shall be used to measure mil thickness during application.

For complete instructions, please refer to the Protal 7300 Brush Application Specifications.

Premier™

Protal™ 7300

Technical Data

Properties	Value
Solids Content	100%
Base Component - (Unmixed) @ 77°F (25°C)	
Viscosity	80,000 cps
Color	White
Hardener - (Unmixed) @ 77°F (25°C)	
Viscosity	16,500 cps
Color	Black
Mixed Material - (Mixed) @ 77°F (25°C)	
Viscosity	60,000 cps
Color	Gray
Mixing Ratio (A/B) by Volume	2 Parts Base:1 Part Hardener
Cure Times	
Pot Life @ 77°F (25°C)	10 - 12 Minutes
Pot Life @ 97°F (36°C)	7 - 8 Minutes
Handling Time @ 50°F (10°C)	12 Hours
Handling Time @ 72°F (22°C)	6 Hours
Handling Time @ 117°F (47°C)	2 Hours
Shore D Hardness	70 minimum
Theoretical Coverage	14 ft^2/30 mils/liter (1.301 m^2/762 microns/liter)
Actual Coverage	6 - 8 ft^2/30 mils/liter (0.5574 - 0.7432 sq. m./liter)
Thickness	
Minimum/Maximum	30/60 mils (762/1524 microns)
Recommended	30 mils (762 microns)
Holiday Detection	Refer to NACE SPO188
Cathodic Disbondment (28 days at 150°F (65°C) @ -1.5 V (CSA Z245.20-14)	
Dry Substrate	8.2 mm (8,200 microns)
Damp Substrate	6.9 mm (6,900 microns)
Wet Substrate	6.1 mm (6,100 microns)
Water absorption, % weight gain, RT after 5 days	1.8%
Gouge Resistance	19 mils (482 microns)
Tabor Abrasion (1,000 cycles, CS-17 wheel, 1 kg load)	121 mg
Impact (CSA Z245.20-14) Temp. -22°F (-30°C) @ 1.5 joules	Pass – no holiday
Flexibility (CSA Z245.20-14) Temp. -22°F (-30°C) @ .45°/PD	Pass – no holiday
Pull-Off Adhesion (RT)	
Dry Substrate	3153 psi (21.74 MPa)
Damp Substrate	2363 psi (16.29 MPa)
Wet Substrate	2495 psi (17.2 MPa)
Adhesion to Steel Substrate ISO 21809-3 Annex C X-Cut Temp 74°F (23°C)	Group 1
Adhesion to Steel Substrate ISO 21809-3 Annex C X-Cut Temp 150°F - 28 Day Hot Water Soak	Group 1
Adhesion to FBE Coating ISO 21809-3 Annex C X-Cut Temp 74°F (23°C)	Group 1
Service Temperature	-40°F (-40°C) to 150°F (65°C)
Application Temperature	32°F (0°C) to 150°F (65°C)

STORAGE: Minimum 24 months when stored in original containers between 41°F (5°C) to 100°F (36°C). On job site where temperatures are below 60°F (16°C) product should be kept warm to mix properly.

CLEANING: Clean equipment with MEK or equivalent solvent cleaner.

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

PACKAGING: 1 liter kit standard.

Other unit sizes are avaliable upon request.

Premier™

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.