

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, brush or roller in one coat.

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

- 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
- Excellent gouge, abrasion and impact resistance

Surface Prep

Prepare surfaces by grit blasting to a clean near white finish, SSPC SP-10/ NACE No. 2. Material for abrasive cleaning shall be the appropriate blend of grit to produce an angular surface profile of 2.5 - 5 mils (0.063 - 0.125 mm).

Application

- Initially stir the base and hardener independently.
- Add the hardener to base and mix at a slow constant speed so as to not introduce air into the product until a uniform gray color, without streaks, is achieved (*Make sure all sides of container are scraped*).
- Apply with Denso Protal Applicator Pad, Denso Protal 9" (23 cm) Roller, or brush (If applying to wet surface, displace water as the coating is applied).
- A wet film thickness gauge shall be used periodically to measure mil thickness throughout the application process.

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



Protal 7300

TECHNICAL DATA

PROPERTIES	VALUE
Solids Content	100%
Base Component - (Unmixed) @ 77°F (25°C)	
Viscosity	280,000 cps
Color	White
Hardener - (Unmixed) @ 77°F (25°C)	
Viscosity	50,000 cps
Color	Black
Mixed Material - (Mixed) @ 77°F (25°C)	
Viscosity	200,000 cps
Color	Gray
Mixing Ratio (A/B) by Volume	1.5 Parts Base:1 Part Hardener
Cure Times	
Pot Life @ 77°F (25°C)	40 - 45 Minutes
Handling Time @ 77°F (25°C)	6 - 8 Hours
Handling Time @ 57°F (14°C)	12 - 16 Hours
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	125 volts/mil (4920 V/mm)
Cathodic Disbondment (ASTM G95)	
28 Days @ 77°F (25°C) - Wet	6.7 mm (6700 microns)
Hardness (Shore D)	85 +/-2
Impact Resistance (ASTM G14)	81.8 in.lb. (9.25 joules)
Adhesion - Wet (ASTM D 4541-02)	2621 psi (18.07 MPa)
Application and Service Temperature	41°F (5°C) to 150°F (65°C)

STORAGE: Minimum 24 months when stored in original containers @ 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 material safety data sheet for further information.

PACKAGING: 1 liter kit standard.

Other unit sizes are available upon request.



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