

# 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 is Denso Protal Applicator Pad, Denso Protal 9" Roller, or brush applied in one coat in the field or shop.

## 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 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 - 4 mils (0.063 - 0.10 mm).

## Application

- Initially stir the base and hardener
- Add the hardener to base and mix until a constant color is achieved  
*(Make sure all sides of container are scraped)*
- Pour mixed material onto surface
- Apply with Denso Protal Applicator Pad, Denso Protal 9" 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

<b>Solids Content</b>	100%
<b>Base Component (Unmixed) @ 77°F (25°C)</b>	
Viscosity	Soft Gel
Color	White
<b>Hardener Component (Unmixed) @ 77°F (25°C)</b>	
Viscosity	Liquid
Color	Black
<b>Mixed Material (Mixed) @ 77°F (25°C)</b>	
Viscosity	Light Gel
Color	Gray
<b>Mixing Ratio (A/B) by Volume</b>	1.5 Parts Base:1 Part Hardener
<b>Cure Times</b>	
Pot Life @ 77°F (25°C) 100 gram	40 - 45 Minutes
Handling Time @ 77°F (25°C)	6 - 8 Hours
<b>Theoretical Coverage</b>	14 ft <sup>2</sup> /30 mils/liter
<b>Thickness</b>	
Minimum/Maximum	30/60 mils
Recommended	30 mils
<b>Holiday Detection</b>	2000 volts
<b>Cathodic Disbondment Test (ASTM G95)</b>	
28 Days @ 77°F (25°C) - Wet	6.7 mm
<b>Hardness (Shore D)</b>	85 +/-2
<b>Impact Resistance (ASTM G14)</b>	81.8 in.lb. (9.25 joules)
<b>Adhesion - Wet (ASTM D 4541-02)</b>	2621 psi
<b>Gouge Resistance (Partech Method - 50 kg)</b>	22 mil avg. gouge depth (Holiday - Pass)
<b>Application and Service Temperature</b>	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 and tools with solvent (i.e., MEK or xylene).

**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 and 1 gallon kits standard. Special kit sizing also available.



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