

# PRODUCT DATA SHEET

## PROTAL 7200

### Fast Cure, High Build Pipeline Coating

#### Description

Protal 7200 is a VOC free, 100% solids epoxy coating specially formulated to compliment FBE coated pipe. It is a high build liquid coating that is brush or spray applied in one coat in the field or shop. It cures very fast to allow quick handling and backfill times.

#### Uses

On-site protection of girth welds, tie-ins, welds for boring applications, repairs to FBE, push-rack applications, station piping, fittings and fabrication. Also used for main line pipe coating, sacrificial coating for directional drill and road bore pipe, and rehabilitation of existing pipelines.

#### Features

- Fast touch dry and set times
- High temperature resistance (up to 185°F)
- High build (up to 50 mils in one coat)
- Excellent adhesion (compliments FBE coated pipe)
- High abrasion resistance for drilling applications
- Safe and environmentally friendly
- Does not shield cathodic protection
- Can be applied with brush, roller or spray
- Available in a variety of packaging options

#### Application

**Brush:** Prepare surfaces by grit blasting to a clean near white finish, SSC-SP 10/ NACE No. 2. Initially stir the base and hardener. Add the hardener to base and mix until a constant color is achieved making sure all sides of container are scraped. Pour mixed material onto surface and brush, trowel or roll to required mil thickness. A wet film thickness gauge shall be used to measure mil thickness. If surface temperature falls below 50°F (10°C), surface must be preheated to achieve cure. Preheat may be achieved with a propane torch or induction coil. Resin and hardener component shall be kept warm, at a minimum of 68°F (20°C), to mix easily.

**Spray:** Prepare surfaces by grit blasting to a clean near white finish, SSC-SP 10/ NACE No. 2. The equipment should be a plural component airless spray unit with a proportioning pump capable of a volume mixing ratio of 3:1. Standard ancillary equipment should include minimum 10 gallon hoppers, static mixers, whip hose, and mastic gun. (Applicator should consult with Denso regarding recommended equipment). A wet on wet spray technique should be used to achieve a minimum thickness of 20 mils. The coating thickness should be measured using a wet film thickness gauge.

For complete application instructions see Protal 7200 application specification.



# Protal 7200

## Technical Data

### PROPERTIES

<b>Solids Content</b>	100%
<b>Base Component (Unmixed) @ 77°F (25°C)</b>	
Specific Gravity	1.68
Viscosity	Soft Gel
Color	White
<b>Hardener Component (Unmixed) @ 77°F (25°C)</b>	
Specific Gravity	1.04
Viscosity	Liquid (400 cps)
Color	Forest Green
<b>Mixed Material (Mixed) @ 77°F (25°C)</b>	
Specific Gravity	1.53
Viscosity	Light Gel
Color	Forest Green
<b>Mixing Ratio (A/B) by Volume</b>	3 Parts Base:1 Part Hardener
<b>Cure Times</b>	
Pot Life @ 77°F (25°C)	6 - 8 Minutes
Handling Time @ 77°F (25°C)	60 - 90 Minutes
<b>Theoretical Coverage</b>	14 ft <sup>2</sup> /30 mils/liter
<b>Thickness</b>	
Minimum	20 mils
Recommended	25 - 30 mils
<b>Holiday Detection (Maximum)</b>	2000 volts
<b>Cathodic Disbondment Test (ASTM G95)</b>	
28 Days @ 77°F (25°C)	3 mm
28 Days @ 150°F (65°C)	4 mm
28 Days @ 175°F (80°C)	7 mm
<b>Hardness (Shore D)</b>	85 +/-2
<b>Impact Resistance</b>	Excellent
<b>Application and Service Temperature</b>	-30°F (-34°C) to 185°F (85°C). <i>Note: If temperature falls below 50°F (10°C), surface must be preheated.</i>
<b>Glass Transition</b>	185°F (85°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 68°F (20°C) product must be kept warm to mix properly.

**CLEANING:** Clean equipment with solvent cleaner (Xylene 95%, Butanol 5%).

**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 90 liter drums standard. Other kit sizes are available. Dual cartridge repair tubes (375 ml & 50 ml) and dispensing guns available for small repair areas.



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