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.

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Technical Data

Properties

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