

PROTAL 7250

Fast Cure, High Build Pipeline Coating - Spray Grade

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 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
- Available in a variety of packaging options

Application

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.

Note: Protal 7200 spray grade is referred to as Protal 7250 in Canada.



Protal 7250

Technical Data

PROPERTIES

Solids Content	100%
Base Component (Unmixed) @ 77°F (25°C)	
Specific Gravity	1.68
Viscosity	165,000 cps
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). <i>Note: If temperature falls below 50°F (10°C), surface must be preheated.</i>
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: 90 and 800 liter drums standard.



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