PROTAL™ 7200 CARTRIDGE (1000 ml)

Fast Cure, High Build Spray Applied Pipeline Coating

Description

Protal 7200 Cartridge (1000 ml) is a VOC free, 100% solids, 2 part 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

• Excellent adhesion (compliments FBE coated pipe)
• Fast cure
• High build (up to 70 mils in one coat)
• High abrasion resistance for drilling applications
• Can be used as an abrasion resistant coating (ARO)
• Does not shield cathodic protection
• Meets AWWA C-210-92 Standard
• Outstanding self-leveling characteristics
• CSA Z245.30 compliant

Application

Spray: Prepare surfaces by grit blasting to a clean near white finish, SSC-SP 10/ NACE No. 2. Heat and check temperature of Part "A" Protal Repair Cartiridge to approximately 120°F to 135° F in a microwave. Convection oven, weld box or other methods (do not overheat and check with a infrared gun). Utilize the Protal Air Cartridge Gun to spray product. 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.

All application personnel shall be trained by a Denso certified trainer prior to application of Protal 7200.

For complete application instructions please refer to Protal 7200 Air Cartridge Gun Application Specifications.

Protal™ 7200 Cartridge (1000 ml)

TECHNICAL DATA

PROPERTIES	VALUE
Solids Content	100%
Mixed Material - (Mixed) @ 77°F	
Specific Gravity	1.63
Viscosity	170,000 cps
Color	Green
Mixing Ratio (A/B) by Volume	3 Parts Base: 1 Part Hardener
Cure Times	
Pot Life @ 77°F	14 - 17 Minutes
Pot Life @ 97°F	7 - 8 Minutes
Handling Time @ 77°F	2.5 - 3 Hours
Handling Time @ 117°F	1 Hour
Handling Time @ 157°F	20 Minutes
Recoat Window	
@ 57°F	5 Hours
@ 77°F	2 Hours
@ 97°F	1 Hour
Theoretical Coverage	14 ft²/30 mils/liter
Thickness - Weld Joints / FBE Repairs	
Minimum/Maximum	20/70 mils
Recommended	25 - 30 mils
Thickness - Bore Pipe	
Minimum/Maximum	40/70 mils
Recommended	45 - 60 mils
Holiday Detection	Refer to NACE SPO188
Cathodic Disbondment Test (ASTM G95)	
28 Days @ 77°F	120mils
28 Days @ 150°F	160mils
28 Days @ 185°F	240mils
28 Days @ 203°F	240mils
Hardness (ASTM D-2240-02)	Shore D 80+
Impact Resistance (ASTM G14-04) @ 32°F	70.6 in-lbs.
Tabor Abrasion (ASTM 4060-07)	
-1000 cycles, CS-17 wheels, 2.2lb load	1,270 cycles per mil
Gouge Resistance (Partech Test - 88lb load)	15.4 mils
Dielectic Strength (ASTM D-149)	450 V/mil
Adhesion to Steel (ASTM D-4541-02)	3,956 psi
Adhesion to FBE (ASTM D-4541-02)	2,579 psi
Service Temperature	-40°F to 203°F
Application Temperature	-30°F to 212°F

Note: If temperature falls below 50°F, surface must be preheated and maintained throughout the cure process.

STORAGE: Minimum 24 months when stored in original containers @ 40°F to 105°F. On job site where temperatures are below 50°F product should be kept warm to mix properly (65°F to 85°F optimal).

CLEANING: Clean equipment with MEK or equivalent solvent cleaner.

HEALTH AND SAFETY: Apply under well ventilated conditions. Wear suitable protective clothing and glasses. See material safety data sheets.

PACKAGING: 1000 ml dual cartridges. (9 per carton).

Dispensing guns and static mixing tips (1000 ml) sold seperately.

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