### PRODUCT DATA SHEET

# 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 / 1778 microns 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, SSPC-SP 10/ NACE No. 2. Heat and check temperature of Part "A" Protal Repair Cartiridge to approximately 120°F to 135°F (49°C to 54°C) 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 (508 microns). 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<sup>™</sup> 7200 Cartridge (1000 ml)

#### TECHNICAL DATA

#### PROPERTIES

## **VALUE**

Solids Content Mixed Material - (Mixed) @ 77°F (25°C) Specific Gravity Viscosity Color Mixing Ratio (A/B) by Volume Cure Times Pot Life @ 77°F (25°C) Pot Life @ 97°F (36°C) Handling Time @ 77°F (25°C) Handling Time @ 117°F (47°C) Handling Time @ 157°F (69°C) Recoat Window @ 57°F (14°C) @ 77°F (25°C) @ 97°F (36°C) **Theoretical Coverage** Thickness - Weld Joints / FBE Repairs Minimum/Maximum Recommended Thickness - Bore Pipe Minimum/Maximum Recommended Holiday Detection Cathodic Disbondment Test (ASTM G95) 28 Days @ 77°F (25°C) 28 Days @ 150°F (65°C) 28 Days @ 185°F (85°C) 28 Days @ 203°F (95°C) Hardness (ASTM D-2240-02) Impact Resistance (ASTM G14-04) @ 32°F (0°C) Tabor Abrasion (ASTM 4060-07) -1000 cycles, CS-17 wheels, 1000 g. load Gouge Resistance (Partech Test - 40 kg load) Dielectic Strength (ASTM D-149) Adhesion to Steel (ASTM D-4541-02) Adhesion to FBE (ASTM D-4541-02) Service Temperature **Application Temperature** 

1.63 170,000 cps Green 3 Parts Base: 1 Part Hardener

14 - 17 Minutes 7 - 8 Minutes 2.5 - 3 Hours 1 Hour 20 Minutes

5 Hours 2 Hours 1 Hour 14 ft²/30 mils/liter (1.301 m²/762 microns/L)

20/70 mils (508/1778 microns) 25 - 30 mils (635 - 762 microns)

40/70 mils (1016/1778 microns) 45 - 60 mils (1143 - 1524 microns) Refer to NACE SPO188

3 mm 4 mm 6 mm 6 mm Shore D 80+ 70.6 in-lbs.

1,270 cycles per mil 15.4 mils (391 microns) 450 V/mil (17,716 V/mm) 3,956 psi (27.3 MPa) 2,579 psi (17.8 MPa) -40°F to 203°F (-40°C to 95°C) -30°F to 212°F (-34°C to 100°C)

Note: If temperature falls below 50°F (10°C), surface must be preheated and maintained throughtout the cure process.

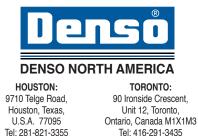
**STORAGE:** Minimum 24 months when stored in original containers @ 40°F (4°C) to 105°F (41°C). On job site where temperatures are below 50°F (10°C) product should be kept warm to mix properly (65°F to 85°F optimal).

**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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Fax: 416-291-0898

Fax: 281-821-0304

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