PRODUCT DATA SHEET

PROTAL 7200 REPAIR CARTRIDGE

Fast Cure Epoxy Repair Coating

Description

Protal 7200 Repair Cartridges are specially formulated for patching and repairing damaged FBE and other liquid coated pipelines. The repair cartridges are packaged in 2-component tubes that are applied with a dispensing gun (sold separately). Two convenient sizes (400 ml and 50 ml) are available.

Uses

Repair coating for damaged FBE and other liquid coated pipelines. Also used as coating of cadweld areas.

Features

- Excellent adhesion (compliments FBE coated pipe)
- Fast cure
- High build (in one coat)
- High abrasion resistance for drilling applications
- Does not shield cathodic protection

Application

Surface shall be roughened approximately 1" around all repair areas using a Carborundum cloth or 60 to 80 grit sandpaper and than remove the remaing dust with a clean, dry cloth, brush or clean compressed air. Material can be applied by injecting material into a small container and mixing until a uniform color is achieved or utilizing the Protal Static Mixing Tip. Material can then be brush applied to specified mil thickness (minimum 20 mils). Cure times are dependent on temperature and will be extended at cooler temperatures.

*Please refer to "Protal 7200 Accelerated Cure Specifications for Repairs" to achieve a 5 minute cure time.

Protal 7200 Repair Cartridge (400 ml)

Protal Cartridge Gun 3:1 (400 ml)
Sold Separately

Protal Cartridge Gun 3:1 (50 ml)
Sold Separately

Protal 7200 Repair Cartridge (50 ml)

Denso®

Protal 7200 Repair Cartridge

Technical Data

Properties	Value
Solids Content/Percent Reactive	100%
Mixed Material - (Mixed) @ 77°F (25°C)	
Specific Gravity	1.63
Viscosity	170,000 cps
Color	Green
Mixing Ratio (A/B) by Volume	3 parts base:1 part hardener
Handling Times	
Substrate Temp. @ 70°F (21°C)	3 hours
Substrate Temp. @ 105°F (40°C)	1 hour
Substrate Temp. @ 140°F (60°C)	30 minutes
Substrate Temp. @ 175°F (79°C)	15 minutes
Substrate Temp. @ 210°F (100°C)	5 minutes
Recommended Thickness	25 - 30 mils
Thickness - Weld Joints / FBE Repairs	
Minimum/Maximum	20/60 mils
Recommended	25 - 30 mils
Thickness - Bore Pipe	
Minimum/Maximum	35/60 mils
Recommended	25 - 30 mils
Cathodic Disbondment	
28 Days @ 77°F (25°C)	3 mm
28 Days @ 150°F (65°C)	4 mm
28 Days @ 175°F (80°C)	7 mm
Adhesion to Steel	3,200 psi
Adhesion to FBE	2,600 psi
Hardness (ASTM 2240)	Shore D 85 min.
Gouge Resistance	3 Passes = 0 Fail @ 50 kg
Application Temperatures*	-30°F to 212°F (-34°C to 100°C)
Service Temperature	-40°F to 185°F (-40°C to 85°C)
Holiday Detection	125 volts/mils
Impact Resistance (ASTM G14-88)	60.89 in-lbs.
Adhesion to Steel/FBE (ASTM D-4541-02)	3,200 psi

**If temperature falls below 50°F (10°C), surface should be preheated.*

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: 400 ml and 50 ml dual cartridges.

Dispensing guns and static mixing tips (400ml or 50ml) sold seperately.

Denso®

DENSO NORTH AMERICA

HOUSTON:
9747 Whithorn Drive,
Houston, Texas,
U.S.A. 77095
Tel: 281-821-3355
Fax: 281-821-0304

TORONTO:
90 Ironside Crescent,
Unit 12, Toronto,
Ontario, Canada M1X1M3
Tel: 416-291-3435
Fax: 416-291-0898

www.densona.com

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