

# PROTAL 7125 REPAIR CARTRIDGE

## Fast Cure, Low Temperature Pipeline Repair Coating

### Description

Protal 7125 Repair Cartridge 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 (50 ml and 825 ml) are available.

### Uses

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

### Features

- Cold temperature application down to -4°F (-18°C)
- Will not freeze when applied to substrates below 32°F (0°C)
- Fast cure, fast initial set
- Will cure when submersed in water
- High build (in one coat)
- Excellent adhesion (compliments FBE coated pipe)
- High abrasion resistance for drilling applications
- Does not shield cathodic protection
- Static Mixing Tips available

### Application

The Protal 7125 Repair Cartridge can be applied from -4°F to 135°F (-20°C to 57°C). For small pinhole repairs: Surfaces of repair up to 1/16 inch (2 mm) in diameter, roughen the surface of the parent coating, to remove gloss, around the holiday for at least 1 inch (25 mm). Use 80 - 120 grit sandpaper or light sweep blasting. Medium sized repairs: Surfaces of repair areas up to 4 in<sup>2</sup> (25 cm<sup>2</sup>) in size, shall be prepared by abrasive blasting, as specified in Section 11, or by power tool cleaning in accordance with SSPC- SP 11 to remove dirt, scale, rust, damaged coating and any other foreign material to a bare metal condition and retain or produce the surface profile required by Section 4.0. Large repairs: Surfaces of repair areas exceeding 4 in<sup>2</sup> (25 cm<sup>2</sup>) shall be repaired by abrasive blast cleaning as specified in Section 4.0. The adjacent parent coating and any holidays or damaged coating adjacent to the cutback area shall be roughened for at least 1 inch (25 mm) around the repair and the edges shall be feathered. After abrading, all dust shall be removed from the prepared areas using compressed air, a clean, dry bristle brush, a clean dry cloth or removed in accordance with SSPC-SP-1 using acetone, xylene or MEK.



**Protal 7125  
Repair Cartridge  
(825 ml)**



**Protal Cartridge Gun  
10:1 (825 ml)  
Sold Separately**



**Protal 7125 Repair Cartridge (50 ml)  
and Cartridge Gun 10:1 (50 ml)  
Cartridge and Gun  
Sold Separately**



# Protal 7125 Repair Cartridge

## TECHNICAL DATA

| PROPERTIES                                    | VALUE                              |
|---|------------------------------------|
| <b>Solids Content/Percent Reactive</b>        | 100%                               |
| <b>Mixed Material - (Mixed) @ 77°F (25°C)</b> |                                    |
| Specific Gravity                              | 1.53                               |
| Viscosity                                     | Thixotropic Liquid                 |
| Color   | Light Gray                         |
| <b>Mixing Ratio (A/B) by Volume</b>           | 10 parts base:1 part hardener      |
| <b>Handling Times</b>                         |                                    |
| Substrate Temp. @ 90°F (32°C)                 | 10 - 15 Minutes                    |
| Substrate Temp. @ 70°F (21°C)                 | 20 - 30 Minutes                    |
| Substrate Temp. @ 50°F (-10°C)                | 1 Hour                             |
| Substrate Temp. @ 32°F (0°C)                  | 2 Hours                            |
| Substrate Temp. @ 14°F (-10°C)                | 4 Hours                            |
| <b>Thickness - Weld Joints / FBE Repairs</b>  |                                    |
| Minimum/Maximum                               | 20/60 mils (508/1524 microns)      |
| Recommended                                   | 25 - 30 mils (635 - 762 microns)   |
| <b>Thickness - Bore Pipe</b>                  |                                    |
| Minimum/Maximum                               | 40/60 mils (1016 /1524 microns)    |
| Recommended                                   | 45 - 50 mils (1143 - 1270 microns) |
| <b>Cathodic Disbondment</b>                   |                                    |
| 28 Days @ 68°F (20°C)                         | 7.1 mm                             |
| <b>Adhesion to Steel</b>                      | 2400 psi (16.5 MPa)                |
| <b>Adhesion to FBE</b>                        | 1100 psi (7.6 MPa)                 |
| <b>Hardness (ASTM 2240)</b>                   | Shore D 70+                        |
| <b>Gouge Resistance</b>                       | 3 Passes = 0 Fail @ 50 kg          |
| <b>Application Temperatures (Surface)</b>     | -4°F to 135°F (-20°C to 57°C).     |
| <b>Service Temperature</b>                    | -40°F to 150°F (-38°C to 65°C)     |
| <b>Holiday Detection</b>                      | Refer to NACE SPO188               |

**STORAGE:** 12 months when stored in original containers between 33°F and 80°F (0.5°C and 27°C).

**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:** 50 ml and 825 ml dual cartridges.

Dispensing guns and static mixing tips (50 ml or 825 ml) sold separately.



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