



Project Data

Location	Midwest USA
Completed	2009
Project Type	Buried Pipeline Coating Protection
Products / Systems Used	Protal 7125

Project Details

New pipeline coating applications in the Midwest and Northeast USA can be very challenging during the cold weather months with temperatures below freezing. Protal 7125 was chosen as the girth weld coating for the winter months on the Kinder Morgan Rockies Express Pipeline (REX) Project. Once completed the REX Pipeline will be 1,679 miles of 42" diameter pipeline. It will be the largest continuous gas pipeline ever built in the United States and will extend from Colorado to New Jersey.

The Protal 7125 is a fast cure, low temperature liquid coating that can be applied in temperatures down to -4°F (-20°C). This allowed the coating crews to proceed without delays of preheating and no down-time due to cold weather. The girth welds were prepared to SSPC-SP 10/NACE No. 2. The coating was spread out by brush taking approximately 5-8 minutes to complete each joint.

On directional drill joints the coating was applied at 50 mils in one coat and on the main line girth welds the coating was applied at 25-30 mils in one coat. Protal 7125 is also being used for tie-ins and patching of the damaged FBE main line coating.

The project will continue through the summer of 2009 in which our Protal 7200 will be used on many of the remaining girth welds during the warmer months. The versatility of our line of Protal Liquid Coatings has provided Kinder Morgan and the contractors the advantage of dealing with severe temperature ranges with no project delays.

Denso manufactures a full line of Protal Liquid Coatings that are considered the choice by owners, oil and gas engineers and contractors across North America.

Benefits

- Cold temperature application down to -4°F (-20°C)
- Will not freeze when applied to substrates below 32°F (0°C)
- Fast cure, fast initial set
- Can be used as an ARO
- High build (up to 50 mils / 1270 microns in one coat)
- Excellent adhesion (compliments FBE coated pipe)



Mixing of Protal 7125.



Applying Protal 7125 by brush.



Applying Protal 7125 at 50 mils for directional drill on 42" diameter pipe.

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