

## PREMIER PROTAL 7900

<b>DESCRIPTION</b>	Premier Protal 7900 is a VOC free, 100% solids epoxy coating for pipelines operating at higher temperatures. It is a high build liquid coating that can be hand or spray applied in one coat in the field or shop. It cures fast to allow quick backfill when necessary.
<b>USES</b>	Spray or hand applied to pipelines operating at temperatures up to 250°F (121°C). Used on girth welds, pipe, fittings, valves and fabrication.
<b>FEATURES</b>	<ul style="list-style-type: none"><li>- Fast cure</li><li>- High build</li><li>- Can be spray or hand applied</li><li>- Excellent adhesion</li><li>- Service temperature up to 250°F (121°C)</li><li>- Very low permeability</li><li>- High abrasion resistance</li><li>- Safe and environmentally responsible</li><li>- Does not shield cathodic protection</li></ul>
<b>APPLICATION</b>	<p><b>By Hand:</b></p> <p>Prepare surfaces by grit blasting to a clean near white finish, SSPC-SP 10/NACE № 2. Mix each of the base and hardener to an even consistency. Add the hardener to base and mix until an even colour is achieved making sure all sides of container are scraped. Product shall be applied to surfaces ranging from 77°F (25°C) to 250°F (121°C) at a minimum of 20 mils. Immediately pour mixed material onto surface and brush, trowel or roll to required mil thickness. A wet film thickness gauge should be used to measure mil thickness.</p> <p><b>Spray:</b></p> <p>Prepare surfaces by grit blasting to a clean near white finish, SSPC-SP 10/NACE № 2. The equipment should be a plural component airless spray unit with a proportioning pump capable of a volume mixing ration of 4:1. Standard ancillary equipment should include minimum 10 gallon hoppers, static mixers, whip hose, and mastic gun. (Applicator should consult with Premier regarding recommended equipment). Product shall be applied to surfaces ranging from 77°F (25°C) to 250°F (121°C). 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.</p> <p>If product is applied onto a surface below 140°F (60°C) a secondary post cure will be required for a minimum of three hours at 140°F (60°C) or higher to achieve total cure and ultimate physical properties.</p>
<b>STORAGE</b>	Minimum 24 months when stored in original containers above 40°F (4°C). On job-site where temperatures are below 68°F (20°C) product must be kept warm to mix properly.
<b>CLEANING</b>	Clean equipment with solvent cleaner (Xylene 95%, Butanol 5%)
<b>PACKAGING</b>	1.0 litre kits and 1.5 litre kits (packaged separately: 8 base per case and 16 hardeners per case). For spray applications, sold in 30 litre kits and 200 litre drums. Special kit sizes are available.

**PREMIER PROTAL 7900 (cont'd)**

<b>TYPICAL PROPERTIES</b>	<b>DATA</b>
<b>Solids Content</b>	100%
<b>Base Component - unmixed @ 77°F (25°C)</b>	
Specific Gravity	1.30
Viscosity	Soft Gel
Colour	White
<b>Hardener - unmixed @ 77°F (25°C)</b>	
Specific Gravity	1.30
Viscosity	Light Gel
Colour	Black
<b>Mixed Material - mixed @ 77°F (25°C)</b>	
Specific Gravity	1.30
Viscosity	Light Gel
Colour	Grey
<b>Mixing Ratio by Volume</b>	4 parts Base: 1 part Hardener
<b>Theoretical Coverage</b>	14 ft <sup>2</sup> /30 mils/litre
<b>Thickness</b>	
Minimum/Maximum	20/60 mils
Recommended	25-30 mils
<b>Holiday Detection (Maximum)</b>	2000 volts
<b>Hardness (ASTM 2240)</b>	Shore D min. 85
<b>Resistance to Cathodic Disbondment</b>	Excellent
<b>Abrasion Resistance</b>	Excellent
<b>Adhesion to Steel</b>	3,030 psi
<b>Maximum Service Temperature</b>	250°F (121°C)
<b>Glass Transition</b>	250°F (121°C)
<b>Pot life @ 77°F (25°C)</b>	50 minutes
<b>Initial Handling @ 77°F (25°C)</b>	8 to 12 hours
<b>Initial Handling @ 220°F (104°C)</b>	3 to 4 hours
<b>Post Cure*</b>	3 hours min. @ 140°F (60°C)
<p>* If product is applied onto a surface below 140°F (60°C) a secondary post cure will be required for a minimum of three hours at 140°F (60°C) or higher to achieve total cure and ultimate physical properties.</p>	

Note - the Typical Data shown in this leaflet is intended as a general guide and is based on tests carried out under controlled conditions. For further information on Product Specification consult Premier Coatings Ltd.