

## **PREMIER PROTAL 7000 AIRLESS SPRAY**

<b>DESCRIPTION</b>	Premier Protal 7000 Airless Spray is a solvent free two-pack high build high performance epoxy coating which is applied with conventional airless spray equipment.
<b>USES</b>	For the long-term protection of exterior surfaces of grit blasted steel pipes, welded joints, flanges, fittings, valves and industrial steel in highly corrosive areas.
<b>FEATURES</b>	<ul style="list-style-type: none"><li>- Application by conventional airless spray equipment</li><li>- Can be applied up to 1mm in one coat without slumping</li><li>- Can be applied up to 3mm in multi-coats</li><li>- Application range -5°C to +50°C</li><li>- Excellent adhesion</li><li>- High resistance to impact</li><li>- Excellent resistance to cathodic disbonding</li><li>- Very good temperature resistance</li><li>- Resistance to a wide range of chemicals including solvents</li><li>- Excellent water/sea-water resistance</li><li>- Tolerant of damp atmospheric conditions</li><li>- Solvent free, low toxicity, environmentally and user friendly</li></ul>
<b>SURFACE PREP</b>	Steel surfaces must be prepared to the Swedish standard SA2-1/2 with a surface profile of 75-125 microns. Ensure that the surface is clean, dry, and free of contamination and mill scale. Do not apply if the relative humidity exceeds 85%. The minimum dew point/substrate differential should be dew point +3°C.
<b>APPLICATION</b>	<ul style="list-style-type: none"><li>- Conventional airless spray at ambient temperatures of 8°C through 55°C.</li><li>- Mixing ratio 2:1 by volume as supplied in pre-measured units.</li><li>- Recommended dry film thickness 500 to 1500 microns.</li><li>- Number of coats 1000 microns one coat.</li><li>- Number of coats 3000 microns multi-coats.</li><li>- Theoretical coverage 1 litre/1m<sup>2</sup> at 1000 microns.</li></ul>
<b>REPAIRS</b>	If repairs are necessary, the existing Protal 7000 Airless Spray should be abraded with an abrasive grinder prior to re-coating. If the steel substrate has been exposed, then a St3 preparation is acceptable.
<b>THINNING/CLEANING</b>	Do not thin. Clean equipment with xylene or a suitable cleaner immediately after use.
<b>STORAGE &amp; PACKAGING</b>	Store in a dry, well ventilated area. Shelf life 12 months. Supplied in pre-measured units Part A and Part B total 20 litre units.
<b>HEALTH &amp; SAFETY</b>	Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See material safety data sheet.

**PREMIER PROTAL 7000 AIRLESS SPRAY (cont'd)**

<b>TYPICAL PROPERTIES</b>	<b>DATA</b>
<b>Colour</b>	Light Grey
<b>Mix Ratio</b> (Part A: B, by volume)	2:1
<b>Volume Solids</b> (ASTM D2697)	100%
<b>Specific Gravity</b> (mixed)	1.45
<b>Pot life</b> (100g) 10°C	90 minutes
<b>Pot life</b> (100g) 20°C	50 minutes
<b>Pot life</b> (100g) 30°C	35 minutes
<b>Touch Dry</b> 20°C	4 hours
<b>Hard Dry</b> 20°C	24 hours
<b>Adhesion to Mild Steel</b> (ASTMD 4541)	> 1800 psi
<b>Resistance to Cathodic Disbondment at 23°C</b> (BG/GBE/CW6) 28 days (ASTM G42)	3 mm radius 3mm radius
<b>Temperature resistance</b>	118°C
<b>Shore D Hardness</b> (20°C) (ASTM 2240)	85
<b>Flexibility</b> (BG/GBE/CW6)	Pass
<b>Impact Resistance</b> (ASTM G14)	> 5.0 J/mm
<b>Abrasion Resistance</b> (ASTMD 4060-01)	< 75 gr
<b>Barcol Hardness</b> (ASTMD 2583-06)	80

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.