

DENSO PROTAL 7200 SA

DESCRIPTION	Denso Protal 7200 is a VOC free, 100% solids epoxy coating, specially formulated to compliment FBE coated pipe. It is a high build liquid coating that can be brush or spray applied in one coat in the field or shop. It cures very fast to allow quick handling and backfill times.
USES	On-site protection of girth welds, tie-ins, welds for boring applications, repairs to FBE, push-rack applications, station piping, fittings and fabrication. Also used for main line pipe coating, sacrificial coating for directional drill and road bore pipe, and rehabilitation of existing pipelines.
FEATURES	<ul style="list-style-type: none">- Fast touch dry and set times- High temperature resistance (up to 65°C)- High build (up to 1200 microns in one coat)- Excellent adhesion (compliments FBE coated pipe)- High abrasion resistance for drilling applications- Safe and environmentally friendly- Does not shield cathodic protection- Can be applied with brush, roller or spray- Available in a variety of packaging options
APPLICATION	<p>Brush: Prepare surfaces by grit blasting to obtain a blast profile of 30-75µ. Initially stir the base and hardener. Add the hardener to base and mix until a constant colour is achieved making sure all sides of container are scraped. Pour mixed material onto surface and brush, trowel or roll to required thickness. A wet film thickness gauge should be used to measure coating thickness. If surface temperature falls below 10°C (50°F), surface must be preheated to achieve cure. Preheat may be achieved with a propane torch or induction coil. Resin and hardener component shall be kept warm, at a minimum of 23°C, to mix easily.</p> <p>Spray: Prepare surfaces by grit blasting to obtain a blast profile of 30-75µ. The Equipment should be an airless spray or dual component airless spray unit. (Applicator should consult with Denso regarding recommended equipment). A wet on wet spray technique should be used to achieve a minimum thickness of 500µ. The coating thickness should be measured using a wet film thickness gauge.</p> <p>For complete application instructions see Denso Protal 7200 SA application method statement.</p>
STORAGE	12 months when stored in original containers at 5°C to 25 °C. On job-sites where temperatures are below 10°C (50°F) product should be kept warm to mix properly.
CLEANING	Clean equipment with Denso Epoxy Thinners or approved solvent.
HEALTH & SAFETY	Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See material safety data sheet for further information.
PACKAGING	800 ml and 1.0 litre kits. For spray applications, sold in 30 litre kits and 200 litre drums. Special kit sizes are available.

DENSO PROTAL 7200 SA (cont'd)

TYPICAL PROPERTIES	DATA
Solids Content	100 %
Base Component - unmixed @ 25°C (77°F)	
Specific Gravity	1.45
Viscosity	75,000 cps
Colour	White
Hardener - unmixed @ 25°C (77°F)	
Specific Gravity	1.25
Viscosity	55,000 cps
Colour	Dark Green
Mixed Material - mixed @ 25°C (77°F)	
Specific Gravity	1.40
Viscosity	65,000 cps
Colour	Green
Mixed Ratio (A/B) by Volume	3 parts base:1 part hardener
Cure Times	
Pot Life @ 25°C (77°F)	17-25 minutes
Handling Time @ 25°C (77°F)	2-3 hours
Theoretical Coverage	2m ² /litre@500µ thick
Thickness	
Minimum/Maximum	500µ/1500 µ
Recommended	600µ-750 µ
Holiday Detection (Maximum)	2000 Volts @500µ
Cathodic Disbondment Test (ASTM G95)	
28 days @ 77°F (25°C)	3mm
28 days @ 150°F (65°C)	4mm
28 days @ 175°F (80°C)	7mm
Hardness (Shore D)	85 +/-2
Impact Resistance	Excellent
Adhesion to steel (75 Micron Blasted Steel)	min 10MPa
Application Temperature	15°C - 40°C
Service Temperature	34°C (-30°C) to 85°C (185°F) Note: If temperature falls below 0°C (32°F) surface should be preheated
Glass Transition	85°C (185°F)

Important

Denso SA (Pty) Ltd pursue a policy to develop and continually improve all of our products and therefore the information given in this data sheet is intended as a general guide and does not constitute a warranty of specification. However, our sales personnel are committed to assist the user in establishing the suitability of the product for its intended purpose and additional specific information is available on request.