

Description:

Denso Protal 7000 Airless Spray is a solvent free two pack high build high performance epoxy coating which is applied with conventional airless spray equipments

Uses:

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

Features:

- application by conventional airless spray equipment
- can be applied up to 1 mm in one coat without slumping
- can be applied up to 3 mm in multi- coats
- Excellent adhesion
- high resistance to impact
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- Excellent resistance to cathodic disbanding
- very Good temperature resistance
- Resistance to a wide range of chemicals including solvents
- Excellent waste/Sea Water resistance
- Tolerant of damp atmospheric conditions
- Solvent free low toxicity environmentally and user friendly

Surface Prep

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 points/substrate differential should be dew points +3°C.

Application:

- ❖ Conventional airless spray at ambient temperatures of 8°C through 55°C
- ❖ Mixing ratio 2:1 by volume as supplied in pre-measure units
- ❖ Recommended dry film thickness 500 to 1500 microns
- ❖ Number of coats 1000 microns one coat
- ❖ Number of Coats 3000 microns multi coats
- ❖ Theoretical coverage 1 liter/1M2 at 1000 microns

Repairs: if repair are necessary, the existing portal 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

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

THINNING/CLEANING:

Do not thin. Clean equipments with Denso Protal Solvent/Cleaner No55 or a suitable cleaner immediately after use

STORAGE & PACKAGING:

Store in a dry, well ventilated areas. Shelf life 12 months. Supplied in pre-measure units Part A and Part B total 20 liter units

HEALTHY & SAFETY:

Wear Protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See material Safety data sheet