

PROTAL 7000 AIRLESS SPRAY

High Performance Epoxy Coating

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 equipment.

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 1mm in one coat without slumping
- Can be applied up to 3mm in multi-coats
- Excellent adhesion
- High resistance to impact
- Excellent resistance to cathodic disbonding
- Very good temperature resistance
- Resistance to a wide range of chemicals including solvents
- Excellent water/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 point/substrate differential should be dew point +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-measured 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 litre/1m² at 1000 microns.

REPAIRS: 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.

Denso[®]



Protal 7000 Airless Spray

Technical Data

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	3mm radius
(ASTM G42)	3mm radius
Temperature resistance	118°C
Shore D Hardness (20°C) (ASTM 2240)	85
Flexibility (BG/GBE/CW6)	Pass
Impact Resistance (ASTM G14)	> 5.0 J/mm
Abrasion Resistance (ASTMD 4060-01)	< 75 gr
Barcol Hardness (ASTMD 2583-06)	80

THINNING/CLEANING: Do not thin. Clean equipment with Denso Protal Solvent/Cleaner No. 55 or a suitable cleaner immediately after use.

STORAGE & PACKAGING: Store in a dry, well ventilated area. Shelf life 12 months. Supplied in pre-measured units Part A and Part B total 20 liter units.

HEALTH & SAFETY: Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See material safety data sheet.



DENSO NORTH AMERICA

HOUSTON:
9747 Whithorn Drive,
Houston, Texas,
U.S.A. 77095
Tel: 281-821-3355
Fax: 281-821-0304

TORONTO:
90 Ironside Crescent,
Unit 12, Toronto,
Ontario, Canada M1X1M3
Tel: 416-291-3435
Fax: 416-291-0898

www.densona.com

A Member of Winn & Coales International

The information given on this sheet is intended as a general guide only and should not be used for specification purposes. We believe the information to be accurate and reliable but do not guarantee it. We assume no responsibility for the use of this information. Users must, by their own tests, determine the suitability of the products and information supplied by us for their own particular purposes. No patent liability can be assumed.