

Protal 7300 (UK)

Epoxy coating specially formulated to coat dry, damp or wet surfaces.

Composition

Protal 7300 (UK) is a solvent-free epoxy coating.

Uses

Protal 7300 (UK) is used for the exterior coating of pipelines, structures or other steel surfaces that may be wet or damp due to the environment or as a result of atmospheric condensation.

Service Temperature: -10°C to +65°C

Characteristics

Protal 7300 (UK):

- can be applied to wet and damp surfaces,
- is high build (up to 1250 µm in one coat),
- has excellent adhesion to wet and damp surfaces, and
- has excellent gouge, abrasion and impact resistance.

Surface Preparation

Prepare surfaces by abrasive blast cleaning to ISO 8501-1 Sa 2 ½. Material for abrasive cleaning shall be the appropriate blend of abrasive media to produce an angular surface profile of 75 µm to 100 µm.

Application

Use as supplied in pre-weighed packs Part A (base component) with Part B (hardener). Initially stir the base and hardener independently. Add the hardener to the base and mix at a slow constant speed so as to not introduce air into the product until a uniform grey colour, without streaks, is achieved (make sure all sides of container are scraped). Apply with Denso Protal Applicator pad, roller, or brush (if applying to wet surface, displace water as the coating is applied). Use a wet film thickness gauge to measure the coating thickness throughout the application process.

For complete instructions, please refer to the Protal 7300 (UK) Hand Application Specifications.

Application Temperature: +5°C to +65°C
At low temperatures, Protal 7300 (UK) should be warmed to +15°C to facilitate mixing.

Thinning/Cleaning

Do not thin. Clean equipment after use using MEK or equivalent solvent cleaner.

Availability

Protal 7300 (UK) is available in 1 L kits. Other sizes may be available upon request.

Storage conditions

Shelf life 24 months when stored in original containers at +5°C to +35°C. On job site where temperatures are below +15°C product should be kept warm to mix properly.

Waste material

Please avoid or minimise waste wherever possible. Please do not discard waste material, including packaging, in the surrounding environment. Follow all relevant legislation for disposal.

Health & Safety

Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See Safety Data Sheet for further information.

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Typical Properties

Colour	Dark or Light Grey	
Non-Volatile Content	100%	
Base Component – (Unmixed) @ +25°C		
<i>Viscosity</i>	280,000 cPs	
<i>Colour</i>	White	
Hardener Component – (Unmixed) @ +25°C		
<i>Viscosity</i>	30,000 cPs	
<i>Colour</i>	Black	
Mixed Material – (Mixed) @ +21°C		
<i>Viscosity</i>	49,000 cPs	
<i>Colour</i>	Grey	
Mixing Ratio (A/B) by Volume		
Dark grey	1.42 Parts Base:1 Part Hardener	
Light grey	1.35 Parts Base:1 Part Hardener	
Overcoating Times		
@ +5°C	18 – 24 hours	
@ +15°C	6 – 10 hours	
@ +23°C	3½ – 7 hours	
@ +35°C	1 - 2 hours	
Cure Times		
<i>Pot Life @ +25°C</i>	60 Minutes	
<i>Handling Time @ +25°C</i>	6 – 8 Hours	
Theoretical Coverage @ 1000 micron	1 m ² /Litre	
Application Dry Film Thickness		
<i>Minimum/Maximum</i>	750/1500 µm	
<i>Recommended</i>	1000 µm	
Holiday Detection	5 kV/mm	BGAM 9.2.6.9
Hardness (Shore D)	85±10	ASTM D 2240
Impact Resistance	8 Joules	ASTM G14

Note: These instructions may not cover all circumstances and must be read in conjunction with the project specifications. Test results were compiled under laboratory-controlled conditions and may vary under field conditions. Overcoating times provided are guidelines from point of initial application and are dependent on the application environment. Evaluation of the coatings physical condition prior to overcoating is recommended. For further advice contact Winn & Coales (Denso) Ltd.

Important: Winn & Coales (Denso) 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. Winn & Coales (Denso) Ltd operate a Quality Management System registered to ISO 9001 (BSI Certificate no. FM01548) and an Environmental Management System registered to ISO 14001 (BSI Certificate 583748).

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