

NZDU00537 Dulux Duration® P23 Primer Low Gloss

Description and Image

DURATION® P23 is a premium, two-component epoxy zinc phosphate primer that is fast drying and exhibits very good anti corrosion properties over mild steel. DURATION® P23 can also be used as a primer over other metal substrates such as galvanized steel, zinc plated steel and aluminium. VOC level <70 g/L

Features and Benefits

- INHIBITIVE EPOXY PRIMER FOR STEEL AND OTHER PREPARED SURFACES
- CONTAINS ANTI-CORROSIVE PIGMENTATION ZINC PHOSPHATE
- LOW VOC & LOW ODOUR COMPARED TO SOLVENT BORNE SYSTEMS
- FAST RECOAT TIME – 4 HOURS AT 25°C

Uses

DURATION® P23 is the ideal primer coat as part of complete DURATION® water borne protective coatings system for steel that is exposed to sheltered or mild (C1-C3) corrosive environments including residential and commercial construction, hospitals, warehouses, schools, shopping centres and factories.

Precautions and Limitations

This is an industrial product designed for use by experienced Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux® Consultant for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the written consent of Dulux® Australia. Do not use any product past its pot life. Product past its pot life may still appear fit for use but will develop substantially reduced gloss and may develop brittleness. Freshly mixed material must not be added to material that has been mixed for some time. The rate of cure is dependent upon temperature. Do not apply at temperatures below 10°C, or where the surface temperature is below 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint.

Performance Guide

Weather Will yellow with time. Will chalk on exposure to UV. Neither yellowing nor chalking detracts from the protective properties of the coating. Use a weatherable topcoat if appearance is important.	Salt Excellent resistance to neutral and alkaline salts when suitably topcoated.
Heat Resistance Up to 120°C dry heat	Water Excellent resistance to fresh and salt water but not suitable for immersion.
Solvent Good resistance to splash and spillage of aromatic and aliphatic hydrocarbon solvents and alcohols.	Abrasion Good when fully cured
Acid Suitable for splash and spillage exposure to dilute acids.	Alkali Good resistance to splash and spillage of most common alkalis

Typical Properties

 Gloss Level
Low Gloss

 Thinner
Potable Water

 Colour
Grey

 Components
2

 Shelf Life
2 Years

 Mixing Ratio
Part A : 4; Part B : 1

 Pot Life
2 hours (4 litre kit, 25°C)

 Clean Up Description
 Clean all equipment with clean warm water immediately after use followed by DULUX® EPOXY THINNER (920-08925).

Application Methods

Air Spray

Airless Spray

Brush

Roller
Application Conditions
Solids by Volume
43
Min
Max
Recommended

Wet Film Per Coat (microns)

175
235
175

Dry Film Per Coat (microns)

75
100
75

Recoat Time (min/hours)

240
10080
240

Theoretical Spread Rate (m²/L)

5.73
4.3
5.73
Typical Property Notes

DRYING CHARACTERISTICS AT 75 µm DRY FILM THICKNESS

SPREADING RATE ASSUMING NO LOSSES: 5.7 square metres per litre equals 75 µm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness. These figures are a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.

If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.

Health and Safety
Using Safety Precautions

Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spraying, users must comply with their respective State Spray Painting Regulations.

Please refer to SDS Link. In case of emergency, please call 0800 220 770.

Transport and Storage	
UN Number	N/A
Dangerous Goods Class	Non Dangerous Goods
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Unless Dulux has provided you with a customised, project-specific specification, this Data Sheet does not represent that any particular product or product system will be suitable for your project.

Any information provided in this Data Sheet is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Data Sheet, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from www.duspecplus.co.nz. Climatic conditions at application time can affect product suitability and performance.

The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

Where any liability of Dulux in respect of this Data Sheet cannot by law be excluded, Dulux's liability is limited, as permitted by law and at Dulux's option, to resupply of the relevant products or services or to reimbursing the cost of those products or services.

WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS/ NZS 4361 Parts 1 and 2 and Worksafe Australia or New Zealand guidelines.