AUDU00123 Dulux Precision All Metal Primer

Introduction

Part A
51W89937

Description and Image

Dulux Precision All Metal Primer is a water based primer designed for metal surfaces† including galvanised iron, Zincalume®, wrought iron, steel, aluminium, copper, brass and stainless steel. Dulux Precision All Metal Primer has been formulated with anti-corrosive pigments to inhibit rust and corrosion for the protection of metal surfaces.



Features and Benefits

- Contains anti corrosive pigments.
- Water Based.
- Excellent adhesion.
- Can be over coated with water based and solvent based topcoats
- Inhibits rust and corrosion.
- Easy clean up after use
- Bonds directly to most metal substrates
- Fast drying.
- Low odour.

Uses

Suitable for interior & exterior use.
Suitable for Galvanised iron, Zincalume, aluminium, steel, wrought iron, copper, brass and stainless steel.
This product is suitable for non structural use only.
Suitable for use under Dulux topcoats.

✓ **Interior** ✓ **Exterior**

Precautions and Limitations

Dulux Precision All Metal Primer is not suitable for use on Structural, Infrastructure, Commercial or Industrial fabrications.
For Structural, Infrastructure, Commercial and Industrial fabrications Dulux recommends standard AS/NZS 2312 (as updated) be followed using the appropriate Dulux Protective Coatings products.

Do not paint at temperatures at or below 10°C or when the temperature may fall below 10°C during the drying period. Rain or dew will damage the film during the drying period.

Whilst this product is lead free, it contains dispersants and inhibitors which will affect drinking water. When priming roofs used for collection of drinking water, disconnect run off pipes until the primer has been coated with an appropriate Dulux Roofing Coating.

DO NOT TINT

Performance Guide

Weather **Excellent weather resistance as a part of system.**	Salt **Good resistance as part of a system**
Heat Resistance **Excellent resistance to usual exterior exposed surface temperatures.**	Water **Excellent resistance to rain and condensation for prolonged periods as part of system.**
Solvent **Sensitive to aromatic hydrocarbons and alcohol. Excellent when top-coated.**	Abrasion **Not applicable.**
Acid **Not applicable**	Alkali **Not Applicable**

Typical Properties

Gloss Level **Low Sheen**	Thinner **Water**
Colour **Grey**	
Components **1**	Number of Coats **1**
Toxicity **Lead free but contains dispersants and inhibitors which will affect drinking water**	V.O.C. Level **<60g/L**
Shelf Life **2 years**	Meets GBCA V.O.C. Requirements? **Yes** Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.
Sanding Properties **Sandable after 2 hours**	Mixing Ratio **Not Applicable**
Touch Dry **20 Minutes.**	
Clean Up **Water**	

Use Xylene to clean up dry product from equipment.

Clean Up Description
Clean all equipment with water before the product starts to film form

Application Methods

Air Spray | Airless Spray | Brush | Roller

Application Conditions

Solids by Volume: 37

	Min	Max	Recommended
Wet Film Per Coat (microns)	68	136	68
Dry Film Per Coat (microns)	25	50	25
Recoat Time (min/hours)	2 hours	Indefinite	2 hours
Theoretical Spread Rate (m²/L)	14.80	7.40	14.80

Application Guide

Surface Preparation

Prepainted surfaces: Ensure any loose and flaking paint (see Note 1.) is scraped off. Sand all surfaces to a flat finish. Dust off. Treat any bare metal as indicated below.

Please Note:
1. Check the adhesion of the old paint by cutting an 'X' through the film with a razor blade or trimming knife, pressing cellulose tape firmly across the cut and ripping it off. If the old paint comes off with the tape it should all be removed.

2. Dulux Precision All Metal Primer is suitable for use on substrates that have been sand blasted. (Be mindful that this product is not suitable for commercial, industrial or infrastructure use where most sand blasted metal surfaces are likely to be present.)

3. For commercial & industrial fabrications Dulux recommends standard AS/NZS 2312 (as updated) be followed using the appropriate **Dulux Protective Coatings products.**

Metal surfaces this product can be used:

Galvanised iron: Clean with Scotch Brite and mild detergent solution. Rinse off thoroughly.

Galvanised iron (aged): Remove white rust by wire brushing or scraping. Wipe surface clean with mineral turps to remove rust, grease, oils and dirt. Allow to dry.

Zincalume, Copper, Brass & Stainless Steel: Clean with mild detergent solution. Rinse off thoroughly.

Zincalume (aged): Remove white rust by wire brushing or scraping. Clean with mild detergent solution. Rinse off thoroughly.

Colorbond prepainted steel (Aged): Ensure surface is sound by performing an adhesion test. Any loose or flaking paint needs to be removed. Spot prime bare areas with 1 coat of Dulux Precision All Metal Primer.

Steel/wrought iron (new): Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry.

Steel/wrought iron (rusted) : Remove rust scale by scaping, sanding or wire brushing. Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry. (Make sure that all rust is removed)

For more corrosive environments (within 2 km of the coast) apply a base coat of Dulux Metalshield Cold Galv Primer to any wrought iron or mild steel components including nail heads.

Application Procedure and Equipment

- Brush, roller, conventional and airless spray
- Stir contents thoroughly before and during use with a broad, flat stirrer using an upward lifting action.
- Brush/Roller: Apply full even coats to the prepared surface.

- Conventional/Airless Spray: Suitable for application by conventional or airless spray equipment. If necessary thin with up to 50ml/litre of water.
- For Galvanised Iron, Zincalume, Aluminium, Copper, Brass and Stainless Steel apply one coat of Dulux Precision All Metal Primer.
- For Steel & Wrought Iron apply two coats of Dulux PRECISION All Metal Primer.
- Note: Thinning can reduce the rust inhibiting performance of Dulux Precision All Metal Primer
- **DO NOT TINT**

Health and Safety

SDS Number	SDS Link
DLXGHSEN001852	**View SDS Link**

Using Safety Precautions

Keep out of reach of children. Avoid contact with skin and eyes or breathing vapour and spray mist. Wear waterproof gloves and safety glasses. Use only in well ventilated areas. Wash hands after use.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage

Pack A

51W-89937

Size:	Weight:
1 Litre 4 Litre	**1.5 Kg 5.7 Kg**

Flash Point	UN Number
Not Applicable - Water Based	**NOT APPLICABLE**
Dangerous Goods Class	Package Group
Not Classified as Dangerous Goods	**Not classified as Dangerous Goods**

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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.

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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 4361 Parts 1 and 2 and Worksafe Australia guidelines.