

## DULUX ALUMINIUM PAINT

### TECHNICAL DATA SHEET

Version 1 – 2015 AUGUST

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

### PRODUCT DESCRIPTION

General purpose, high lustre aluminium paint with a silver finish.

### PRODUCT USES

- For all interior and exterior primed metal and wooden surfaces where an aluminium finish is required.
- Can withstand temperatures up to 100°C.

### FEATURES AND BENEFITS

- General purpose, high lustre aluminium/silver finish
- Excellent durability.
- Improves illumination.
- Reflects heat.

### PRODUCT INFORMATION

<b>Appearance</b>	High Sheen
<b>Colour</b>	Silver
<b>Binder Type</b>	Oleoresinous
<b>Density at 23°C</b>	Approx. 0.92
<b>Solids Content</b>	By weight: Approx. 52% By volume: Approx. 43%
<b>Packaged Viscosity</b>	Viscosity at 23°C: Approx. 25 seconds/F4
<b>Spreading Rate</b>	12 to 17m <sup>2</sup> per litre depending on surface porosity, profile and application method
<b>Recommended DFT per coat</b>	Min. 25 µm. Max. 35 µm
<b>Recommended WFT per coat</b>	Min. 60 µm. Max. 80 µm
<b>Flash Point</b>	37°C

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### APPLICATION INFORMATION

Mixing	Stir until homogeneous with a flat paddle and occasionally during use.
Application conditions	Surface Temperature between 10 - 35°C Relative Humidity between 10 - 85 % OR 2°C above dew point minimum.
Application methods	Brush, Roller or Spray Brush Application preferred. Roller application tends to give low film thickness and a “window-paning” effect
Thinner	Thinning not recommended. Ready for use after thorough stirring for brush and roller applications. Mineral Turpentine if required for spraying to maximum of 5 - 10% of product volume.
Drying Time	Touch dry 4 to 6 hours at 23°C
Recoating Time	18 hours (overnight) at 23°C (Recoating times will be extended during cold, wet or humid conditions)
Cleaning of equipment	After use, remove as much product as possible, and then clean immediately with <b>Dulux Brush Cleaner Degreaser</b> or Mineral Turpentine.
Substrates	Suitable for Galvanised Iron, Aluminium, all non-ferrous metals, Mild Steel, Iron and Wooden surfaces provided that appropriate preparation and priming is carried out.
Precautions:	Do not apply during cold (below 10°C) or wet weather Do not apply directly to bare metal surfaces. Not suitable for direct application to powdery or friable surfaces whether previously painted or not.
Coats Required	Apply two to three finishing coats to achieve a closed film and solid colour.

### SURFACE PREPARATION

Ensure that surfaces are sound, and free from dust, dirt, grease, rust and oil. Surfaces must be thoroughly dry - no more than 12% moisture content.

### NEW SURFACES

#### Galvanised Iron, Aluminium and all non-ferrous metals

- Remove all traces of temporary protective coating, dirt and grease from the surface with **Dulux Galvanised Iron Cleaner**. Ensure complete removal of **Dulux Galvanised Iron Cleaner** by rinsing with running water. A water-break free surface indicates thorough cleaning - running water should not form droplets. If a water-break free surface was not achieved, repeat the cleaning process. Prime immediately after cleaning.

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- Prime with one to two coats **Dulux Galvanised Iron Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions and chemical works.

### Mild Steel and Iron

- Inspect shop-primer thoroughly for damage by installation. All rust, scale and dirt must be removed by scraping or with steel wire brushes, and then thoroughly sand with medium grit sandpaper and finish with fine grit sandpaper - down to a bright metal finish. Ensure that the sanded areas are dry and free of grease and dust. A solvent wash (rags dipped in lacquer thinner) may be used. Change the rags frequently. Allow drying.
- Prime with one to two coats **Dulux Steel Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions and chemical works.
- For best paint system performance follow primer with **Dulux Universal Undercoat** before applying the selected finishing coat.

### Wooden Surfaces

- Timber treated with borer- or fire retardant may cause slow drying (consult supplier).
- Treat knots in timber with Knotting Agent.
- Spot prime nail heads with **Dulux Steel Primer**.
- Special attention must be given to painting the end grain to avoid moisture penetration - apply a second coat after 10 - 20 minutes.
- Prime with one coat **Dulux Wood Primer**. Two coats may be required for very absorbent wood.
- For best paint system performance follow **Dulux Wood Primer** with **Dulux Universal Undercoat** before applying the selected finishing coat.

## PREVIOUSLY PAINTED SURFACES

### Galvanised Iron, Aluminium and all non-ferrous metals

- Clean bare galvanised iron as per new surfaces
- Rust and flaking paint must be completely removed prior to spot-prime exposed substrate with **Dulux Galvanised Iron Primer**. For non-roof sheeting applications build up spot-primed areas with **Dulux Universal Undercoat** to the same level as the rest of the paintwork.

### Mild Steel and Iron

- Sand enamel surfaces to provide a key and improve adhesion.
- Rust and flaking paint must be completely removed prior to spot-prime exposed substrate with **Dulux Steel Primer**. Build up spot-primed areas with **Dulux Universal Undercoat** to the same level as the rest of the paintwork.

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### Wooden Surfaces

- Loose, flaking paint must be completely removed prior to spot-priming bare, exposed timber. Build up **Dulux Wood Primer** spot-primed areas with **Dulux Universal Undercoat** to the same level as the rest of the paintwork.

### HEALTH AND SAFETY INFORMATION

This product contains no added lead. Avoid contact with skin or eyes. Keep out of reach of children. If accidentally swallowed, seek medical advice immediately and show this container to the doctor. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes.

If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Do not empty into drains or watercourses. Ensure good ventilation during application and drying. It is recommended to use suitable protective clothing and equipment. To avoid the risk of spillage, always store and transport containers in a secure upright position. Refer to Material Safety Data Sheet for complete information.

### ADDITIONAL INFORMATION

Packaging	1lt, 5Lt
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	<p>Colour references are as accurate as printing will allow. Please refer to the in-store stripe cards/ standard card, or on-shelf colour displays for an accurate representation of the colour.</p> <p>For best colour and sheen consistency, it is advisable to use containers of the same batch number, or to mix different batches together in a large container, or to finish in a corner before starting a new container.</p>

### TDS STANDARD DISCLAIMER

The recommendations contained herein are given in good faith and meant to guide the specifier or user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Dulux control.

Important Note; Technology may change with time, necessitating changes to this Technical Data Sheet (TDS).

It is the responsibility of the user to ensure that the latest TDS is being used for reference. Dulux Technical Data Sheets are available on our website [www.dulux.co.za](http://www.dulux.co.za) or please contact: Dulux On-Line on 0860 330 111. Email [ZA.Helpline@akzonobel.com](mailto:ZA.Helpline@akzonobel.com)

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