

DULUX ALUMINIUM PAINT

TECHNICAL DATA SHEET

Version 2 – 2021 JUNE

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

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

DULUX ALUMINIUM PAINT

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 Dulux Pre-Paint Brush Cleaner Degreaser 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

DULUX ALUMINIUM PAINT

SURFACE PREPARATION

NEW SURFACES

Galvanised Iron, Aluminium and all non-ferrous metals - (Continued)

- Prime immediately after cleaning with two coats **Dulux Rustshield** or with one to two coats **Dulux Galvanised Iron Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions.

Mild Steel and Iron

- Inspect shop-primer thoroughly for damage by installation. Abrade new surfaces lightly and remove rust, mill scale by sanding, scraping or with steel wire brushes back to sound mild steel and iron or sandblast to SA 2½.
- 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, OR clean with **Dulux Galvanised Iron Cleaner** according to technical data sheet.
- Prime immediately after preparation with two coats **Dulux Rustshield** or with one to two coats **Dulux Steel Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions.
- 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 Rustshield** or **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 priming substrate as per new surfaces. For non-roof sheeting applications build up spot-primed areas with **Dulux Universal Undercoat** to the same level as the rest of the paintwork.

DULUX ALUMINIUM PAINT

SURFACE PREPARATION

Mild Steel and Iron

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

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. Wet sanding should be used wherever possible

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	Colour swatch references are as accurate as modern printing will allow

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 or please contact: Dulux On-Line on 0860 330 111. Email ZA.Helpline@akzonobel.com

ICI Dulux (Pty) Ltd is part of AkzoNobel. ICI Dulux (Pty) Ltd Reg No.1946/020769/07