

DULUX TRADE BITUMINOUS ALUMINIUM PAINT

TECHNICAL DATA SHEET

Version 3 – 2024 MARCH

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

High lustre bituminous aluminium paint with excellent heat reflection

PRODUCT USES

- May be applied directly to bituminous surfaces, “malthoid” roofs and creosoted timber without priming.
- Excellent as a roof paint where its ability to reflect heat can reduce the inside temperature of houses and buildings.

FEATURES AND BENEFITS

- High lustre bituminous aluminium paint.
- Good water resistance.
- Free from bleeding on bituminous surfaces.
- Improves illumination.
- Reflects heat.

PRODUCT INFORMATION

Appearance	Sheen
Colour	Silver
Binder Type	Bituminous material pigmented with Aluminium flake
Density at 23°C	Approx. 0.98
Solids Content	By weight: Approx. 43% By volume: Approx. 30%
Packaged Viscosity	Viscosity at 23°C: Approx. 35 seconds – Ford 4
Spreading Rate	Approx. 8m ² -10m ² per litre depending on surface porosity, profile and application method.
Recommended DFT per coat	Min. 30µm. Max. 35µm.
Recommended WFT per coat	Min. 100µm. Max. 120µm
Flash Point	37°C

APPLICATION INFORMATION

Mixing	Stir until homogeneous with a flat paddle.
Application Surface conditions	Surface Temperature between 10 - 35°C. Relative Humidity between 10 - 85 % OR 2°C above dew point minimum.

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APPLICATION INFORMATION

Application methods	Brush, roller or airless spray.
Thinner	Thinning not recommended. Ready for use after thorough stirring for brush, roller or airless spray applications.
Drying Time	Touch dry 8 hours at 23°C.
Recoating Time	18 hours at 23°C (Drying 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 direct application to prepared bituminous aluminium surfaces, "malthoid" roofs and creosoted timber and correctly prepared and primed galvanised iron.
Precautions:	Do not apply during cold (below 10°C) or wet weather. Do not apply directly to bare metal surfaces. Not to be used over very soft bitumen and pitches, where the difference in elasticity of the two systems will lead to "crocodiling". Not suitable for application to un-primed bare metal surfaces. Not suitable as a heat resistant application Not suitable for direct application to powdery or friable surfaces whether previously painted or not.
Coats Required	Apply two to three finishing coats to new surfaces to achieve a continuous closed film and solid colour.

SURFACE PREPARATION

Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris. Surfaces must be thoroughly dry.

NEW SURFACES

Galvanised Iron (new, un-weathered)

- 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 with two coats **Dulux Rustshield** or with one full coat of **Dulux Galvanised Iron Primer** or **Dulux Trade Corrocote 1**, overcoat within 48 hours with 2 to 3 coats **Dulux Trade Bituminous Aluminium Paint**

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SURFACE PREPARATION

NEW SURFACES

Galvanised Iron (unpainted, weathered)

- Remove all loose rust and white scale by means of wire brushing, sanding, chipping, or mechanical scouring - down to bright metal. To remove dirt, salts and zinc corrosion (white rust) clean thoroughly with **Dulux Galvanised Iron Cleaner** achieving a water-break free surface.
- Areas showing red rust must be removed back to bright galvanised iron
- Prime immediately after preparation with two coats **Dulux Rustshield** or spot prime with **Dulux Trade Corrocote 1** or **Dulux Galvanised Iron Primer** followed by one full coat of the same primer, overcoat within 48 hours with 2 to 3 coats **Dulux Trade Bituminous Aluminium Paint**

Galvanised Iron in aggressive/coastal conditions

- Remove all loose rust and white scale by means of wire brushing, sanding, chipping, or mechanical scouring - down to bright metal. To remove dirt, salts and zinc corrosion (white rust) clean thoroughly with **Dulux Galvanised Iron Cleaner** achieving a water-break free surface.
- Areas showing red rust must be removed back to bright galvanised iron
- Prime immediately after preparation with two coats **Dulux Rustshield** or Apply two full coats of **Dulux Trade Corrocote 1** or **Dulux Galvanised Iron Primer**, overcoat within 48 hours with 2 to 3 coats **Dulux Trade Bituminous Aluminium Paint**

PREVIOUSLY PAINTED SURFACES

Previously Coated/Treated Bituminous Surfaces

- Does not need elaborate surface preparation, but coated surfaces must be sound, clean and dry before painting.

HEALTH AND SAFETY INFORMATION

Danger. Flammable liquid and vapor. May cause an allergic skin reaction. May cause drowsiness or dizziness. May cause cancer. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Solvent based paints are flammable. Dulux Trade paints contain 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.

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HEALTH AND SAFETY INFORMATION – (Continued)

Safety and Technical Datasheets available on request or visit www.duluxtrade.co.za. Call a POISON CENTRE or doctor/physician if you feel unwell. Dispose of contents and container in accordance with all local, regional, national or international regulations.

To avoid the risk of spillage, transport containers in a secure upright position. Always store under ambient conditions.

ADDITIONAL INFORMATION

Packaging	5Lt
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	Colour 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.duluxtrade.co.za or please contact: Dulux On-Line on 0860 330 111. Email ZA.Helpline@akzonobel.com

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