

AUDU00149 Dulux Metalshield Epoxy Enamel Flat

Introduction

Part A
31C-LINE

Approvals
N/A

Description and Image

Dulux Metalshield Epoxy Enamel Flat is a heavy duty topcoat that is ideal for protecting and decorating metal surfaces. Dulux Metalshield Epoxy Enamel provides a convenient solution where no primer is required over new bare steel, wrought iron or pre-painted metal surfaces. Use in combination with Metalshield primers for industrial strength metal protection.







Features and Benefits

- No primer required for new bare steel and wrought iron or pre-painted metal surfaces
- Protects against rust and corrosion
- Ideal for metal gates, fences, outdoor furniture, gutters, downpipes and railings
- Flat finish
- Can be tinted to an extensive range of Dulux colours

Uses

Use Dulux Metalshield Epoxy Enamel Flat as a topcoat for suitably prepared metal substrates.

Performance Guide	
Weather Dulux Metalshield Epoxy Enamel Flat will like most flat finish enamels, chalks faster than gloss products when used in exterior applications. Care should be taken when using flat finish enamel in an exterior application to protect from direct impact from full weather, rain and sun exposure. If a black finish is required for an exterior location Dulux Metalshield Epoxy Enamel Gloss may be a better option.	Salt N/A
Heat Resistance Up to 120C. Premature yellowing & embrittlement will occur if film is subjected to continuous heat.	Water Moderate resistance to condensation and water splash.
Solvent Resists alcohol & mineral turps. Film liable to attack from esters, ketones & strong solvents.	Abrasion Good.
Acid N/A	Alkali N/A

Typical Properties	
Gloss Level 0-3 at 60 degrees, 0-5 at 85 degrees	Thinner Mineral Turpentine
Colour Black, White (and tinted colours from White).	
Dulux Colour Base ✓ Black	
Components 1	Number of Coats 2
Toxicity Lead free. Dry film is non toxic and conforms to AS1647, Part 3.	V.O.C. Level < 450 g/L untinted
Shelf Life 2 years from date of manufacture	
Sanding Properties N/A	Mixing Ratio N/A
Pot Life N/A - single component air drying	Touch Dry 6 hours.
Clean Up  Thinner	
Application Methods  Brush  Roller  Pad	
Application Conditions	Solids by Volume <div>48</div>
Wet Film Per Coat (microns)	<div>Min</div> <div>65</div> <div>Max</div> <div>65</div> <div>Recommended</div> <div>65</div>

Dry Film Per Coat (microns)	34	34	34
Recoat Time (min/hours)	1440	Indefinite	
Theoretical Spread Rate (m ² /L)	14	14	14

Application Guide

Surface Preparation

Pre-painted surfaces

Scrape off all loose and flaking paint. Sand all surfaces to a flat finish. Dust off. If previously painted surface is in good condition then no primer is required.

Aged/Lightly rusted surfaces

Remove any rust by scraping, sanding or wire brushing. Wipe surface with Metalshield Brush Thinner to remove any residual grease, oils and dirt. Once dry, apply 1 coat of Metalshield All Surface Primer.

New Bare Steel and Wrought Iron

Wipe surface with Metalshield Brush Thinner to remove any residual grease, oils and dirt. Once dry, apply 1 coat of Metalshield All Surface Primer.

Galvanised Iron, Zincalume®

Clean surface with sugar soap and a Scotch-Brite™ Pad to remove any grease, oils and dirt. Rinse with clean water. Once dry, apply 1 coat of Metalshield Etch Primer.

Aluminium, Copper, Brass, Stainless Steel

Clean surface with sugar soap and a Scotch-Brite™ Pad to remove any grease, oils and dirt. Rinse with clean water. Once dry, apply 1 coat of Metalshield All Surface Primer. Ensure the surface has thoroughly dried prior to application. Commercial applications may require additional surface preparation.

Application Procedure and Equipment

Stir contents thoroughly with a broad, flat stirrer using a stirring, lifting action. Thin with up to 50ml per litre with Metalshield Brush Thinner prior to brush or roller application. For spraying, thin up to 100ml per litre with Metalshield Brush Thinner or Metalshield Spray Thinner. Stir well prior to applying 2 coats of Metalshield Epoxy by brush, roller or spray to a suitably primed surface. Application and drying temperatures must be above 10°C.

Health and Safety

SDS Number
23009

SDS Link
[View SDS Link](#)

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

Transport and Storage

Pack A

31C-LINE

Size:

Weight:

500 mL, 1L, 4L

0.8 Kg, 1.6 Kg, 6.2 Kg

Flash Point
>23C

UN Number
1263

Dangerous Goods Class
3

Package Group
III

Disclaimer

This Data Sheet is copyright to DuluxGroup (Australia) Pty Ltd and/or DuluxGroup (New Zealand) Pty Ltd (collectively, 'Dulux'). It may not be varied or altered without the prior written consent of Dulux, and if it is, Dulux has no responsibility or liability for those variations.

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.com.au. 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 4361 Parts 1 and 2 and Worksafe Australia guidelines.