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: 48

	Min	Max	Recommended
Wet Film Per Coat (microns)	65	65	65

Dry Film Per Coat (microns)	34	34	34
Recoat Time (min/hours)	1440	Indefinite	
Theoretical Spread Rate (m²/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**

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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.