

Dulux Metalshield® Industrial Aluminium Gloss

NZ_DD01943

Part A	38463008
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Description
METALSHIELD® PREMIUM Industrial Aluminium is a metallic flake filled finish based on a highly durable oleoresinous medium designed to give excellent resistance to moisture and weathering for a thin film coating. The finish also provides maximum brilliance and reflective properties. It is recommended for all applications requiring temperature control in mild industrial and coastal areas.

Features
<ul style="list-style-type: none"> • Formulated with metallic aluminium flake for maximum brilliance • Superior rust prevention system • Maximum resistance to UV damage • Withstands temperatures up to 200 °C

Benefits
<ul style="list-style-type: none"> • Provides sleek aluminium finish • Lamella aluminium flakes provide extra barrier for rust protection • Exterior durable

Uses
It is typically specified over conventional, or epoxy metal primers for tank farms, silos, ducting and general structural steelwork. Also suitable for the protection of galvanised roofing, gates and fencing.

Performance Guide			
Weather	Excellent in all but the most aggressive chemical and marine exposure.	Salt	Unaffected by splash and spillage of neutral salt solutions.
Heat Resistance	Up to 200°C dry heat	Water	Resists rain and condensation. Not recommended for permanently damp or immersed exposure.
Solvent	Resists splash and spillage of aliphatic hydrocarbons.	Abrasion	Fair when fully cured.
Acid	Not recommended where fumes, splash or spillage may occur.	Alkali	Not recommended where fumes, splash or spillage may occur.

Typical Properties																											
Gloss Level	Metallic lustre	Thinner	Metalshield Brush Thinner																								
Colour	Bright Aluminium	Components	1																								
Number Of Coats	2	Toxicity	Lead Free. Dry film is non toxic																								
V.O.C. Level	<500g/L																										
Clean Up	 Thinner																										
Clean Up Description	Clean equipment with Metalshield Brush Thinner																										
Application Method	 Air Spray  Airless Spray  Brush  Roller																										
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Application Guide	
Surface Preparation	<ul style="list-style-type: none"> Pre-painted metal surfaces: Scrap off all loose and flaking paint. Sand all surfaces to a flat finish. Dust off. If previously painted metal surface is in good condition then no primer is required. Treat any bare metal as below. <p>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.</p> <p>New Bare Steel and Wrought Iron: Wipe surface with Metalshield Brush Thinner to remove any residual grease, oils and dirt. Then abrade with a Scotch-Brite® Pad. Wipe clean. apply 1 coat of Metalshield All Surface Primer.</p> <p>Galvanised Iron, Zinalume®: 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 RFU Etch Primer.</p> <p>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.</p>
Application Procedure And Equipment	<ul style="list-style-type: none"> BRUSH/ROLLER Apply even coats of the mixed material to the prepared surface. Thin if necessary with up to 50 ml/litre with METALSHIELD® Brush Thinner (965-H0010) to ease application. When brushing and rolling additional coats may be required to attain the specified thickness. <p>CONVENTIONAL SPRAY Thin up to 50 ml/litre with METALSHIELD® Spray Thinner (965-H0009) to aid atomisation. Add only enough thinner to achieve atomisation. Apply in multiple wet coats overlapping each pass 50%.</p> <p>Typical Set-up Graco Delta Gun: Pressure at Pot: Pressure at Gun: 1.4mm (239542) 70-100 kPa (10-15 p.s.i.) 380-410 kPa (55-60 p.s.i.)</p> <p>AIRLESS SPRAY Standard airless spray equipment such as a Graco 30:1 President or 33:1 Bulldog with a fluid tip of 13-15 thou (0.33-0.38mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 50 ml/litre of METALSHIELD® Spray Thinner (965-H0009) may be added to ease application.</p>

Health And Safety			
MSDS Number	22365	Health Effects	For detailed information refer to the product label and the current Material Safety Data Sheet available through Customer Service. Health Effects: Splashes to the eye will cause eye irritation. When spraying, inhalation of mists and vapour may produce respiratory irritation and headaches.
Flammability	Highly flammable liquid. On burning will emit toxic fumes, including those of oxides of carbon.	Fire Suppression	Alcohol resistant foam is the preferred fire fighting medium but, if it is not available, normal protein foam can be used.
Protective Equipment	Wear eye protection. When spraying or applying to broadwall areas wear a respirator with a combined vapour/particulate cartridge.	Storage	Store in a well ventilated area away from foodstuffs, oxidising agents and sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.
Handling	Keep out of reach of children. Avoid skin and eye contact and breathing in vapour. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Vapour may travel a considerable distance to source of ignition and flash back.		
In the case of emergency, please call 0800 734 607			

Precautions And Limitations
Do not apply at temperatures below 5°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Do not overcoat before the minimum overcoat interval or wrinkling may occur. This product is not suitable to be directly applied over galvanised iron or zinc rich coatings.

Transport And Storage			
Pack A	38463008	Shipment Name	PAINTS, flammable liquid, high flash point
Size	Weight		
1L	1.3 Kg		
4L	4.1Kg		
Flash Point	>0°C	UN Number	1263
Dangerous Goods Class	3	Package Group	I

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