

Dulux Metalshield Cold Galv Primer

NZ_DD01944

Part A	812-87306
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Description
Dulux METALSHIELD COLD GALV Primer incorporates a high level of finely divided zinc in the dry film providing sacrificial protection to steel substrates with the convenience of single pack application.

Features
<ul style="list-style-type: none"> • Anti corrosive • Zinc rich • Fast drying

Benefits
<ul style="list-style-type: none"> • Maximum rust protection in severe corrosive conditions • Forms a sacrificial barrier against corrosion • Touch dry in 30 minutes

Uses
It is excellent for the repair of damaged galvanised steel and wrought iron balustrades and railings.

Performance Guide			
Weather	On exterior exposure some chalking may also occur. This will not detract from the protective properties of the coating. Use a weatherable topcoat if required for appearance.	Salt	Unaffected by splash and spillage of neutral salt solutions only.
Heat Resistance	Up to 65°C dry heat.	Water	Resists rain and condensation. Not recommended for permanently damp or immersed exposure.
Solvent	Resistant to splash and spillage of aliphatic hydrocarbons only.	Abrasion	Good when fully cured.
Acid	Not recommended for acid conditions.	Alkali	Not recommended for use in highly alkaline conditions.

Typical Properties				
Gloss Level	Flat	Thinner	Dulux Metalshield Cold Galv Thinner	
Colour	Grey	Components	1	
Number Of Coats	1	V.O.C. Level	<510 g/L	
Touch Dry	30 Minutes			
Clean Up	 Thinner			
Application Method	 Airless Spray  Brush  Roller			
Application Conditions	Solids By Volume		42	
		Min	Max	
	Wet Film Per Coat (microns)	120	215	Recommended
	Dry Film Per Coat (microns)	50	90	75
	Recoat Time (min)	3 hours	Indefinite	6 hours
	Theoretical Spread Rate (m²/L)	8.4	4.67	5.6
Typical Properties Notes	Practical spreading rates will vary depending on such factors as method and conditions of application and surface roughness.			

Application Guide	
Surface Preparation	<ul style="list-style-type: none"> STEEL: Round off all rough welds, sharp edges and remove weld spatter. Remove grease, oil and other contaminants in accordance with AS1627.1. Rust, millscale, oxide deposits and old paint films on metal surfaces should be removed by hand or power tool (AS1627.2 St 3) cleaning as a minimum. Coating performance is proportional to the degree of surface preparation. Remove all dust by brushing or vacuum cleaning. <p>GALVANISED STEEL (Repair of): Round off all rough welds, sharp edges and remove weld spatter. Remove grease, oil and other contaminants in accordance with AS1627.1. Rust, millscale, oxide deposits and old paint films on metal surfaces should be removed by hand or power tool (AS1627.2. St 3) cleaning as a minimum. Coating performance is proportional to the degree of surface preparation and abrasive blast cleaning to a minimum AS1627.4 Class 2 is preferred for more severe environments. Remove all dust by brushing or vacuum cleaning.</p>
Application Procedure And Equipment	<ul style="list-style-type: none"> Stir each can thoroughly until the contents are uniform. Remix thoroughly before using and continue mixing during application. <p>BRUSH/ROLLER For small areas only. Apply even coats of the mixed material to the prepared surface. When brushing and rolling additional coats may be required to attain the specified thickness. Thin required with up to 100 ml/litre with METALSHIELD??Cold Galv Thinner (965-H0012) to ease application.</p> <p>CONVENTIONAL SPRAY Thin up to 200 ml/litre with METALSHIELD??Cold Galv Thinner (965-H0012) to aid atomisation. Ensure paint is regularly agitated during application to prevent separation.</p> <p>Typical Set-up Graco Delta Gun: Pressure at Pot: Pressure at Gun: 1.8mm (239543) 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 33:1 Bulldog or 45:1 Xtreme with a fluid tip of 19-21 thou (0.48-0.53mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Ensure paint is regularly agitated during application to prevent separation. Thinning is not normally required but up to 60 ml/litre of METALSHIELD??Cold Galv Thinner (965-H0012) may be added to ease application.</p>

Health And Safety			
MSDS Number	7218	Using Safety Precautions	Read Data Sheet, Material Safety Data Sheet and any precautionary labels on containers.
Flammability	Flammable liquid. On burning will emit toxic fumes, including those of oxides of carbon and hydrogen chloride	Fire Suppression	Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.
Protective Equipment	Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator.	Welding	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding
Storage	Store in a well ventilated area away from foodstuffs, oxidising agents and sources of heat or ignition. Keep dry - reacts with water, may lead to drum rupture. Keep containers closed when not in use - check regularly for leaks.	Handling	Avoid skin and eye contact and breathing in vapour. May form flammable vapour mixtures with air. 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. Flameproof equipment is necessary in all areas where this chemical is being used. Nearby equipment must be earthed. 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 apply on structures subject to sustained surface temperatures above 65°C or where spillage of solvent may occur. Do not weld or flame cut through chlorinated rubber coatings. Due to their thermoplastic nature, chlorinated rubber coatings are more suited to on site application. If transporting shortly after application care should be taken to ensure painted surfaces are not in contact. Topcoats of a saponifiable nature such as alkyds must never be applied directly to METALSHIELD??COLD GALV Primer.

Transport And Storage			
Pack A	812- 87306		
Size	Weight		
500 mL	1.4kg		
1 Litre	2.8Kg		
4 Litre	11 Kg		
Flash Point	27 °C	UN Number	1263
Dangerous Goods Class	3	Package Group	III

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