

NZDU01622 Dulux Roof & Trim Gloss on Aged Uncoated Substrate Precoated Sheet Steel (ColorSteel) [Exterior]

Scope of Works

DULUX Roof & Trim is a high opacity, self priming, high performance 100% acrylic paint for all types of exterior roofs.

Substrate and Substrate Preparation

Substrate Notes

This is a generic precoated sheet steel substrate. Please see the respective substrate for: non-ferrous metals, steel, galvanised steel. Other specialty metal substrates may also not be covered by this substrate.

PRE-COATED SHEET STEEL (Colorbond, Colorsteel)

These metals are not used for general structural purposes, but for cladding, decorative effects or as roofing sheets, guttering and the like, manufactured from precoated strip. As received, roll formed roofing and guttering might be coated with a light film of oil from the manufacturing process. Colorsteel sheeting is painted on front and back surface with factory applied thermosetting anticorrosive primer and topcoated with any of a range of technologies including polyesters, silicon modified polyesters, acrylics and fluoropolymers. These coatings prevent corrosion and offer longer-term durability against colour change, chalking and flaking.

ZINCALUME

New Zincalume surfaces should be examined for flux residues, light roll-forming oils, and foreign matter, all of which are to be removed by detergent washing. Zincalume products are coated in a clear, water based latex and must not be prepared with any solvent based products. If the surface is to be topcoated in a solvent based product, an acrylic primer/tie coat must be used.

ZINCANNEAL/ZINCSEAL

Zincanneal and Zincseal factory applied metal treatments provide reasonable corrosion protection of steel sheeting and fabricated metal. Both grades incorporate an additional zinc phosphate pretreatment which acts as a metal conditioning process. Sanding or abrading the surface will have the undesirable effect of removing the zinc phosphate pretreatment. Degrease or solvent clean ONLY to remove grease, oil and other surface contaminants prior to painting.

Substrate Preparation Notes

CLEAN

Degrease surface with an alkaline detergent, such as Dulux Prep Wash, and rinse with fresh potable water until free of residue. Repeat until the surface is clean. Alternatively, the surface can be cleaned by water blasting.

ABRADE

Abrade surface thoroughly using an abrasive nylon pad to remove gloss and to provide a suitable key for the coating system to adhere to. Care must be taken so as not to damage the zinc layer. Wash down residues and allow the surface to dry.

PRIME






Apply a suitable, corrosion-inhibiting primer to any bare metal areas as soon as possible, before the surface oxidises or becomes contaminated.

RUST AFFECTED SUBSTRATES

1. Remove any loose or flaking coating back to a hard edge by scraper or power tool. Feather back all edges to remove ridges. Abrade surface of remaining coating to provide a suitable surface key for adhesion of the new coating system.
2. Using wire brush or power tool cleaning methods as appropriate, clean all bare metal surfaces and rust-affected areas. If the rust is severe, remove all paint, zinc coating and rust with abrasive blast cleaning, power wire brush or power tool cleaning. Remove filings, preferably by vacuum or compressed air. Ensure that the surface is clean, corrosion-free and dry immediately prior to application of primer coat.
3. Spot prime all bare metal with an appropriate, corrosion-inhibiting primer as soon as possible, before the surface oxidises or becomes contaminated. Overlap onto the sound adjacent coating by 25 to 50 mm.

Coating System Summary

- | | |
|---------------|----------------------------------|
| • 1st Coat | Dulux PREP WASH |
| • Spot Primer | Dulux Precision All Metal Primer |
| • 2nd Coat | Dulux Roof & Trim Gloss |
| • 3rd Coat | Dulux Roof & Trim Gloss |

Coating System			
1st Coat — Dulux PREP WASH			
Coat Type 1st Coat	Datasheet NZDU00398 Dulux PREP WASH		
Read the full Datasheet details at Dulux PREP WASH			
Application Methods			
<div>  Brush </div>			
Broom Garden sprayer			
Theoretical Spread Rate (m ² /L)	Min 6	Max 12	Recommended
Recoat Time **	n/a	n/a	n/a
Meets ECNZ V.O.C. Requirements? Not Applicable			
Coating Application Details Apply by broom or brush. Or by garden sprayer. 1. Add one part Dulux Prep Wash concentrate to one part water in a clean plastic bucket and mix well. 2. Test on a small inconspicuous area at recommended dilution to determine effectiveness and strength required. 3. Apply diluted Dulux Prep Wash solution to walls/roof/trim with a broom/brush or garden sprayer. Leave the solution on the surface until mould and mildew stains disappear or soften (approximately 10 minutes), avoiding allowing the solution to dry out. Scrub vigorously. 4. Rinse off the surface with water using a high pressure or garden hose and allow surface to dry. Surface may be slippery while wet (roof). Stubborn stains may require longer time, more vigorous scrubbing, or additional treatment. Severely stained surfaces may need a power washer, or treatment with undiluted Dulux Prep Wash concentrate.			
SDS Number 000000022880	SDS Link View SDS Link		
Spot Primer — Dulux Precision All Metal Primer			
Coat Type Spot Primer	Datasheet NZDU00280 Dulux Precision All Metal Primer		
Read the full Datasheet details at Dulux Precision All Metal Primer			
Application Methods			
<div>  Air Spray  Airless Spray  Brush  Roller </div>			
Theoretical Spread Rate (m ² /L)	Min 14.8	Max 14.8	Recommended 14.8
Wet Film Per Coat (microns)	68	68	68
Dry Film Per Coat (microns)	25	25	25
Recoat Time **	2 hours	Indefinite	2 hours
V.O.C. Level <60g/L	Meets ECNZ V.O.C. Requirements? Not Applicable		
Coating Application Details			

Brush, roller, conventional and airless spray
Stir contents thoroughly before and during use with a broad, flat stirrer using an upward lifting action.
Brush/Roller: Apply full even coats to the prepared surface.
Conventional/Airless Spray: Suitable for application by conventional or airless spray equipment. If necessary thin with up to 50ml/litre of water.
For Galvanised Iron, Zincalume, Aluminium, Copper, Brass and Stainless Steel apply one coat of Dulux Precision All Metal Primer.
For Steel & Wrought Iron apply two coats of Dulux PRECISION All Metal Primer.
Note: Thinning can reduce the rust inhibiting performance of Dulux Precision All Metal Primer
Do Not Tint

SDS Number
DLXNZ7EN001852

SDS Link
[View SDS Link](#)

2nd Coat — Dulux Roof & Trim Gloss

Coat Type
2nd Coat

Datasheet
NZDU00459 Dulux Roof & Trim Gloss

Read the full Datasheet details at [Dulux Roof & Trim Gloss](#)

Application Methods



	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	<input type="text"/>	<input type="text"/>	15.9
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	63
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	25
Recoat Time **	2 Hours	Indefinite	<input type="text"/>

V.O.C. Level
<60g/L

Meets ECNZ V.O.C. Requirements?

Yes

Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.

Coating Application Details

Brush, roller, conventional or airless spray
Brush/Roller: Rinse brush or roller in water before starting and use while still slightly damp. Apply two full even coats direct from the container. Use a short nap roller. Avoid excessive brushing or rolling back into paint which has been drying some minutes.
Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action.
Under hot or windy conditions or on very absorbent surfaces, up to 100ml DULUX Hot Weather Thinner may be added per litre to assist application.
Airless/Conventional Spray: Suitable for application by all standard spray equipment. If necessary thin with up to 100 ml/litre of water to aid atomisation.

SDS Number
DLXNZLEN000437

SDS Link

3rd Coat — Dulux Roof & Trim Gloss

Coat Type
3rd Coat

Datasheet
NZDU00459 Dulux Roof & Trim Gloss

Read the full Datasheet details at [Dulux Roof & Trim Gloss](#)

Application Methods



Air Spray



Airless Spray



Brush



Roller

	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	<input type="text"/>	<input type="text"/>	15.9
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	63
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	25
Recoat Time **	2 Hours	Indefinite	<input type="text"/>

V.O.C. Level
<60g/L

Meets ECNZ V.O.C. Requirements?

Yes

Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.

Coating Application Details

Brush, roller, conventional or airless spray

Brush/Roller: Rinse brush or roller in water before starting and use while still slightly damp. Apply two full even coats direct from the container.

Use a short nap roller. Avoid excessive brushing or rolling back into paint which has been drying some minutes.

Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action.

Under hot or windy conditions or on very absorbent surfaces, up to 100ml DULUX Hot Weather Thinner may be added per litre to assist application.

Airless/Conventional Spray: Suitable for application by all standard spray equipment. If necessary thin with up to 100 ml/litre of water to aid atomisation.

SDS Number

DLXNZLEN000437

SDS Link

Coating System Notes

* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions.

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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/ NZS 4361 Parts 1 and 2 and Worksafe Australia or New Zealand guidelines.