NZDU01885 Dulux Weathershield Gloss on Painted Tannin Rich Timber [Exterior]

Scope of Works

DULUX Weathersheild X10 Gloss is a 100% acrylic self priming paint for exterior use. Its unique MaxiFlex Stretch Technology gives a tough, flexible finish for long life protection from the extremes of weather.

Substrate and Substrate Preparation

Substrate Notes

Tannins are water-soluble extractives present in some timbers such as meranti, merbau, kwila, western red cedar and tallowwood. These tannins are leached out by water or moisture and can cause staining of surrounding areas. They are seen as dark coloured stains either under or within a coating.
Tannin staining is most obvious in light coloured coatings, such as whites. Darker and wood-toned colours hide the tannin stains best. When using light colours on tannin rich timbers, an appropriate primer should be used to seal the tannins in the wood, such as Dulux 1 Step Oil Based Primer Sealer Undercoat.

CEDAR
Cedar is a tannin rich timber. A durable but soft reddish-brown timber and is available in a dressed and rough sawn version. The uncoated surface of this timber will weather (go grey) more dramatically than any other timber when used outside and is a very porous timber. Cedar is a Softwood.
It is commonly used on weatherboards, fascias, doors and windows, door louvers, as it is easy to work and is ideal for staining.

Substrate Preparation Notes

ASSESS SUITABILITY
Inspect to determine the degree of deterioration of existing coatings and presence of decayed timber. Identification of the existing coating is also very helpful in determining the repaint system. Check coating adhesion using the cross-cut adhesion test, carried out in various locations.

REMOVE SURFACE CONTAMINANTS
Examine the surface for the presence of sap, grease, oil, wax, tannin, building marks, or other contaminants. Clean to remove all dirt, dust, mould and all other surface contaminants by using Dulux Prep Wash and rinse off with clean water. Alternatively, the surface can be cleaned by water blasting. Scrape off any sap or gum exudations and then treat these areas by solvent cleaning with either Mineral Turps or Methylated Spirits, before priming. Use scraper to remove dirt and mortar splashes. Any greyed wood fibres on aged timbers need to be removed by sanding and/or suitable chemical wood cleaner (such as Intergrain Reviva or Cabot's Deck Clean).

REPAIR SURFACE IMPERFECTIONS
Fill nail holes, cracks and other defects with Selleys Permafilla or Rapidfilla and allow to dry thoroughly. These are both ready-to-use rigid fillers. Prepare all areas that have poor adhesion, are cracking, peeling and flaking by sanding, power sanding, scraping, wire brushing or burning off as appropriate. Feather edges of the surrounding sound paint to completely remove visual ridges and wash or dust off to remove debris. Any major design faults or decayed timber leading to structural weakness must be corrected prior to repainting.

SANDING
Sand the entire cleaned coating to an even flat gloss level to provide a smooth, even surface and to provide a good key for the new coating system to adhere to. Ensure all sanding dust is removed prior to continuing.

PRIME
Spot prime any bare areas with a suitable oil based, tannin blocking primer – such as Dulux 1 Step Oil Based Primer Sealer Undercoat.

ADDITIONAL NOTES:
• Ensure all previously painted enamel finishes are thoroughly abraded to ensure adequate adhesion of subsequent coating system.
• For oiled or stained timber, the coating must either be removed or overcoated with the same type of product. Oil and stain coatings can be removed by weathering off over time. However, the coatings can be removed earlier using the following method. First, wash with Cabot's Deck Clean, so any dirt or mould is not pushed back into the surface when you sand. You may use a paint stripper like Selleys Kwik Strip and then sand or just sand. When sanding always sand in the direction of the grain and start with a medium to coarse sandpaper (eg. 50- 80 grade) finishing with a finer sandpaper (eg. 150 grade). Then wash the timber down again with Cabots Deck Clean to label instructions. Once this has been completed and the timber has dried out thoroughly, carry out a water bead test. Using a hand held plastic spray bottle, lightly spray water onto the timber surface. If the water soaks into the timber relatively quickly, the surface is ready for coating. If the water beads on the surface, the timber requires further cleaning or weathering before it can be coated.

Coating System Summary

• 1st Coat	Dulux PREP WASH
• Spot Primer	Dulux 1 Step Oil Based Primer Sealer Undercoat
• 2nd Coat	Dulux Weathershield Gloss
• 3rd Coat	Dulux Weathershield Gloss

Coating System

1st Coat — Dulux PREP WASH

Coat Type	Datasheet
1st Coat	**NZDU00398 Dulux PREP WASH**

Read the full Datasheet details at Dulux PREP WASH

Application Methods

Brush

Broom Garden sprayer

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	6	12	
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	SDS Link
000000022880	**View SDS Link**

Spot Primer — Dulux 1 Step Oil Based Primer Sealer Undercoat

Coat Type	Datasheet
Spot Primer	**NZDU00430 Dulux 1 Step Oil Based Primer Sealer Undercoat**

Read the full Datasheet details at Dulux 1 Step Oil Based Primer Sealer Undercoat

Application Methods

Air Spray **Airless Spray** **Brush** **Roller**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	10	10	12
Wet Film Per Coat (microns)	100	100	100
Dry Film Per Coat (microns)	40	40	40

Recoat Time **	1 Hour	Indefinite	

V.O.C. Level **< 505 g/L untinted**	Meets ECNZ V.O.C. Requirements? **Not Applicable**

Coating Application Details

Brush, roller, conventional or airless spray.
Stir thoroughly before and during use.
Brush/Roller: Apply by brush or roller, full even coats direct from the container. If necessary up to 50ml per litre of mineral turpentine may be added to ease application.
Airless/Conventional Spray: Suitable for application by all standard spray equipment. If necessary thin up to 100ml per litre of Dulux Spraying Thinner to aid atomisation.
Clean brushes and rollers with mineral turpentine prior to and after use.

SDS Number **DLX000129**	SDS Link **View SDS Link**

2nd Coat — Dulux Weathershield Gloss

Coat Type **2nd Coat**	Datasheet **NZDU00241 Dulux Weathershield Gloss**

Read the full Datasheet details at Dulux Weathershield Gloss

Application Methods

Air Spray **Airless Spray** **Brush** **Roller**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	25	25	25
Recoat Time **	2 Hours	Indefinite	

V.O.C. Level **<62 g/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 and airless spray.
*Some colours may require more than the recommended number of coats to achieve full opacity. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), when painting over contrasting colour, apply 1 coat of Dulux 1Step prepcoat.
Check the weather forecast. Do not paint on excessively cold or humid days. Exposure to rain or overnight dew whilst drying may result in the coating being damaged or removed. If painting during the hottest time of the day, cool the surface by hosing before painting and paint on the shady side of the house.

Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action.
Brush/Roller: Soak brush or roller in water before starting and use while still slightly damp. Thinning is usually not required.
Airless or Conventional Spray: Suitable for application by all standard spray equipment. Apply wet even coats. If necessary thin with up to 100 ml/litre water to aid atomisation.
Under hot or very windy conditions, up to 100 ml/litre of Dulux Hot Weather Thinner may be added to ease application.

Within 1km of sea for galvanished iron, zincalume: Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

Steel/wrought iron: Apply 2 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

Bare surfaces including brick, masonry, fibre cement, zincalume: Apply 3 coats of Weathershield.

Galvanised iron: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

For zincalume/galvanised iron roofs: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

Bare unpainted timber: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), for improved resistance to cracking on hardwoods (eg Mt Ash, Oak), apply a coat of Dulux 1Step Prepcoat prior to the application of two topcoats of Weathershield.

On previously painted surfaces, apply 2 coats of Weathershield.

Preparation/coating system can vary depending on the quality and conditions of pre-primed timber/fibre cement, colorbond(r) & colorsteel(r) and tilt-up & precast concrete surfaces. For help and advice, please call Dulux Help & Advice on 0800 800 424 for specific guidance.

Professional Painters refer to Duspec Specification Sheets to qualify for guarantee.

SDS Number	SDS Link
DLXNZLEN003379	**View SDS Link**

3rd Coat — Dulux Weathershield Gloss

Coat Type	Datasheet
3rd Coat	**NZDU00241 Dulux Weathershield Gloss**

Read the full Datasheet details at Dulux Weathershield Gloss

Application Methods

Air Spray **Airless Spray** **Brush** **Roller**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	25	25	25
Recoat Time **	2 Hours	Indefinite	

V.O.C. Level
<62 g/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 and airless spray.
*Some colours may require more than the recommended number of coats to achieve full opacity. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), when painting over contrasting colour, apply 1 coat of Dulux 1Step prepcoat. Check the weather forecast. Do not paint on excessively cold or humid days. Exposure to rain or overnight dew whilst drying may result in the coating being damaged or removed. If painting during the hottest time of the day, cool the surface by hosing before painting and paint on the shady side of the house.

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Brush/Roller: Soak brush or roller in water before starting and use while still slightly damp. Thinning is usually not required.
Airless or Conventional Spray: Suitable for application by all standard spray equipment. Apply wet even coats. If necessary thin with up to 100 ml/litre water to aid atomisation.
Under hot or very windy conditions, up to 100 ml/litre of Dulux Hot Weather Thinner may be added to ease application.

Within 1km of sea for galvanished iron, zincalume: Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

Steel/wrought iron: Apply 2 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

Bare surfaces including brick, masonry, fibre cement, zincalume: Apply 3 coats of Weathershield.

Galvanised iron: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

For zincalume/galvanised iron roofs: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

Bare unpainted timber: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), for improved resistance to cracking on hardwoods (eg Mt Ash, Oak), apply a coat of Dulux 1Step Prepcoat prior to the application of two topcoats of Weathershield.

On previously painted surfaces, apply 2 coats of Weathershield.

Preparation/coating system can vary depending on the quality and conditions of pre-primed timber/fibre cement, colorbond(r) & colorsteel(r) and tilt-up & precast concrete surfaces. For help and advice, please call Dulux Help & Advice on 0800 800 424 for specific guidance.

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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.