

NZDU02200 Dulux Weathershield Semi Gloss on New Tannin Rich Timber [Exterior]

Scope of Works

DULUX Weathershield X10 Semi 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

Ensure the wood is thoroughly clean and dry before commencing. Moisture content should be close to equilibrium moisture content, usually 14-18% for satisfactory staining or coating.

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. 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.

SANDING

Sand the timber with sandpaper in the direction of the grain, along the full length of the board. Round off all sharp edges in order to achieve an even film build and uniform paint coverage. Ensure all sanding dust is removed prior to continuing.

PRIME









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

ADDITIONAL NOTES:

- LOSP Treated Timber – Leave 5-7 days before using an oil based primer and 10-15 days before using an acrylic primer. Wash the timber with Cabot's Deck Clean to label instructions and make sure it is thoroughly dry before coating timber. Carry out a water bead test on the timber, as some LOSP treatments may include a water repellent.
- Due to the higher surface area, rough sawn timber may require a lower spread rate

Coating System Summary

- | | |
|------------|--|
| • 1st Coat | Dulux 1 Step Oil Based Primer Sealer Undercoat |
| • 2nd Coat | Dulux Weathershield Semi Gloss |
| • 3rd Coat | Dulux Weathershield Semi Gloss |

Coating System			
1st Coat — Dulux 1 Step Oil Based Primer Sealer Undercoat			
Coat Type 1st Coat	Datasheet 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)	<input type="text" value="10"/>	<input type="text" value="10"/>	<input type="text" value="12"/>
Wet Film Per Coat (microns)	<input type="text" value="100"/>	<input type="text" value="100"/>	<input type="text" value="100"/>
Dry Film Per Coat (microns)	<input type="text" value="40"/>	<input type="text" value="40"/>	<input type="text" value="40"/>
Recoat Time **	<input type="text" value="1 Hour"/>	<input type="text" value="Indefinite"/>	<input type="text"/>
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 Semi Gloss			
Coat Type 2nd Coat	Datasheet NZDU00242 Dulux Weathershield Semi Gloss		
Read the full Datasheet details at Dulux Weathershield Semi Gloss			
Application Methods			
 Air Spray  Airless Spray  Brush  Roller			
	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	<input type="text" value="16"/>	<input type="text" value="16"/>	<input type="text" value="16"/>
Wet Film Per Coat (microns)	<input type="text" value="63"/>	<input type="text" value="63"/>	<input type="text" value="63"/>
Dry Film Per Coat (microns)	<input type="text" value="25"/>	<input type="text" value="25"/>	<input type="text" value="25"/>
Recoat Time **	<input type="text" value="2 Hours"/>	<input type="text" value="Indefinite"/>	<input type="text"/>
V.O.C. Level < 60 g/L untinted		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. 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. On previously painted surfaces, apply 2 coats of Weathershield. 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 prep-coat.

Within 1km of sea for galvanised iron, Zincalume

Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield. Preparation/coating system can vary depending on the quality and conditions of pre-primed timber/fibre cement, Colorbond® & Colorsteel® and tilt-up & precast concrete surfaces. For help and advice, please call Dulux Help & Advice on 0800 800 424 for specific guidance. 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.

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

SDS Number
DLXNZLEN003378

SDS Link
[View SDS Link](#)

3rd Coat — Dulux Weathershield Semi Gloss

Coat Type
3rd Coat

Datasheet
NZDU00242 Dulux Weathershield Semi Gloss

Read the full Datasheet details at [Dulux Weathershield Semi Gloss](#)

Application Methods



Air Spray



Airless Spray



Brush



Roller

	Min	Max	Recommended
Theoretical Spread Rate (m ² /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 < 60 g/L untinted	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. 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. On previously painted surfaces, apply 2 coats of Weathershield. 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 prep-coat. Within 1km of sea for galvanised iron, Zincalume Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield. Preparation/coating system can vary depending on the quality and conditions of pre-primed timber/fibre cement, Colorbond® & Colorsteel® and tilt-up & precast concrete surfaces. For help and advice, please call Dulux Help & Advice on 0800 800 424 for specific guidance. 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. 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. Professional Painters refer to Duspec Specification Sheets to qualify for guarantee.			
SDS Number DLXNZLEN003378	SDS Link View 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.

Disclaimer

This Specification is copyright to DuluxGroup (Australia) Pty Ltd and/or DuluxGroup (New Zealand) Pty Ltd (collectively, 'Dulux'). It may not be varied or altered without the prior written consent of Dulux, and if it is, Dulux has no responsibility or liability for those variations.

Unless Dulux has provided you with a customised, project-specific specification, this Duspec+ document does not represent that any particular product or product system will be suitable for your project.

Any information provided in this Duspec+ is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Duspec+ document, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Duspec+ document, and as recommended on the applicable Dulux Product Data Sheet and Safety Data Sheets for the relevant products (available from www.duspecplus.co.nz). Climatic conditions at application time can affect Duspec+ documentation suitability and product performance.

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.

Where any liability of Dulux in respect of this Specification cannot by law be excluded, Dulux's liability is limited, as permitted by law and at Dulux's option, to resupply of the relevant products or services or to reimbursing the cost of those products or services.

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.