

## NZDU01006 Dulux Aquanamel Semi Gloss on Painted Timber trim [Exterior]

### Scope of Works

DULUX Aquanamel Semi Gloss is a premium quality water based interior and exterior acrylic enamel, that dries to a tough finish. This product is so resistant that common marks are able to be removed virtually without trace. It resists knocking, chipping and yellowing and is highly recommended for walls, doors, architraves, timber trim and skirting boards as an alternative to enamels, and is ideal for bathrooms, kitchens and laundries.

### Substrate and Substrate Preparation

#### Substrate Notes

New dressed timber should be delivered in a clean dry condition, just prior to installation. The timber should be inspected for physical defects, such as splinters, cracks, woolly grain, machine marks and knot holes as well as sap and tannin stains, resin exudation from knots, wax or preservatives. Moisture content should be close to equilibrium, usually 10-17% for satisfactory staining or coating. Timber should be stored out of the weather in clean, dry conditions before painting. Timber left exposed to the weather for as little as 7 days for some species prior to painting will suffer from degradation and reduced paint adhesion and durability.

Aged timber should be inspected for dry rot, mould or fungus, excessive water content, grey and weathered timber, grain cracking, resins, stains, dirt and other surface contamination. These defects should be rectified prior to painting. Degraded timber should be sanded back to as-new condition before painting.

Some timbers such as meranti, merbau, kwila, western red cedar and tallowwood contain high levels of tannin which may bleed through water-based coatings and require an effective tannin-blocking primer to seal the tannins in the wood.

#### Substrate Preparation Notes

**ASSESS SUITABILITY** Inspect to determine the degree of deterioration of existing coatings and presence of decayed timber. Check coating adhesion using the cross-hatch test.

**CLEAN SURFACE** Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinse off with clean water. Treat mould with a suitable mould treatment.

**REPAIR SURFACE IMPERFECTIONS** 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 surface 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.

**PRIME** Prime any bare areas with a suitable primer.

**NOTE:** If Staining: Timber must be sanded back to clean bare timber All coatings must be removed.

### Coating System Summary

- |               |                                                       |
|---------------|-------------------------------------------------------|
| • 1st Coat    | Dulux PREP WASH                                       |
| • Spot Primer | Dulux 1 Step Prep Water Based Primer Sealer Undercoat |
| • 2nd Coat    | Dulux Aquanamel Semi Gloss                            |
| • 3rd Coat    | Dulux Aquanamel Semi Gloss                            |

Coating System			
1st Coat — Dulux PREP WASH			
Coat Type 1st Coat	Datasheet NZDU00398 Dulux PREP WASH		
Read the full Datasheet details at <a href="#">Dulux PREP WASH</a>			
Application Methods			
<div>  Brush         </div>			
Broom Garden sprayer			
Theoretical Spread Rate (m²/L)	Min 6	Max 12	Recommended
Recoat Time **	n/a	n/a	n/a
Meets ECNZ V.O.C. Requirements? <b>Not Applicable</b>			
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 <a href="#">View SDS Link</a>		
Spot Primer — Dulux 1 Step Prep Water Based Primer Sealer Undercoat			
Coat Type Spot Primer	Datasheet NZDU00432 Dulux 1 Step Prep Water Based Primer Sealer Undercoat		
Read the full Datasheet details at <a href="#">Dulux 1 Step Prep Water Based Primer Sealer Undercoat</a>			
Application Methods			
<div>  Air Spray            Airless Spray            Brush            Roller         </div>			
Theoretical Spread Rate (m²/L)	Min	Max	Recommended 14
Wet Film Per Coat (microns)			71
Dry Film Per Coat (microns)			31
Recoat Time **	2 Hours		
V.O.C. Level < 40g/L untinted	Meets ECNZ V.O.C. Requirements? <b>Not Applicable</b>		
Coating Application Details			

Brush, roller, conventional or airless spray.  
 ROLLER: Using a medium nap roller apply a full even coat direct from the container and finish by light parallel strokes with a dry roller.  
 Stir contents thoroughly before and during use.  
 AIRLESS/CONVENTIONAL SPRAY: Suitable for application by all standard spray equipment. If necessary thin with up to 100ml per litre of water to aid atomisation.  
 BRUSH: Wet brushes with water prior to use to avoid clogging. Apply a full even coat direct from the container.  
 When painting exterior surfaces, ensure topcoat is applied no more than one week after application.

SDS Number  
**DLXNZLEN002997**

SDS Link  
[View SDS Link](#)

## 2nd Coat — Dulux Aquanamel Semi Gloss

Coat Type  
**2nd Coat**

Datasheet  
**NZDU00233 Dulux Aquanamel Semi Gloss**

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

### Application Methods

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

	Min	Max	Recommended
Theoretical Spread Rate (m <sup>2</sup> /L)	<b>16</b>	<b>16</b>	<b>16</b>
Wet Film Per Coat (microns)	<b>63</b>	<b>63</b>	<b>63</b>
Dry Film Per Coat (microns)	<b>22</b>	<b>22</b>	<b>22</b>
Recoat Time **	<b>2 Hours</b>	<b>Indefinite</b>	

V.O.C. Level  
**<53 g/L inclusive of Dulux Low VOC tint.**

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 tint required for non-factory packaged colours.

### Coating Application Details

\* Some colours may require more than the recommended number of coats to achieve full opacity.  
 Stir contents thoroughly before and during use with a broad flat stirrer using an upward lifting action.

#### Brush, roller or HVLP spray

##### Brush/Roller

Brush- Dulux Professional brushes are recommended.

Apply evenly, dividing area into patches about 50-60 square centimetres. Paint one patch at a time working back into previously applied paint.

Finally lay off each patch with light vertical strokes again lapping lightly into previously painted patches.

On wall areas use a 5-9mm nap synthetic roller to achieve the smoothest finish.

Generally thinning is not recommended, however, under hot conditions DULUX Hot Weather Thinner should be added to improve application performance to maximum of 50 ml per litre.

##### Airless/Conventional Spray

Suitable for application by conventional or airless spray equipment. Up to 100mL/L of water may be added for application by conventional spray, up to 30mL/L of water for airless spray, and up to 5mL/L for HVLP spray, to aid atomisation.

Wagner recommendation: F230 Aircoat recommended.

Tip: 211 for archs and trim, 411 for doors

Pressure: 1100 PSI

1-1.5 at the bar at the gun

Graco recommendation: Air Assisted Airless.  
Tip: 210 or 310  
Pressure: 1100 PSI

SDS Number  
**DLXNZLEN003191**

SDS Link  
[View SDS Link](#)

### 3rd Coat — Dulux Aquanamel Semi Gloss

Coat Type  
**3rd Coat**

Datasheet  
**NZDU00233 Dulux Aquanamel Semi Gloss**

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

#### Application Methods

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

	Min	Max	Recommended
Theoretical Spread Rate (m <sup>2</sup> /L)	<b>16</b>	<b>16</b>	<b>16</b>
Wet Film Per Coat (microns)	<b>63</b>	<b>63</b>	<b>63</b>
Dry Film Per Coat (microns)	<b>22</b>	<b>22</b>	<b>22</b>
Recoat Time **	<b>2 Hours</b>	<b>Indefinite</b>	

V.O.C. Level  
**<53 g/L inclusive of Dulux Low VOC tinters.**

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

\* Some colours may require more than the recommended number of coats to achieve full opacity.  
Stir contents thoroughly before and during use with a broad flat stirrer using an upward lifting action.

#### Brush, roller or HVLP spray

##### Brush/Roller

Brush- Dulux Professional brushes are recommended.

Apply evenly, dividing area into patches about 50-60 square centimetres. Paint one patch at a time working back into previously applied paint.

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Wagner recommendation: F230 Aircoat recommended.

Tip: 211 for archs and trim, 411 for doors

Pressure: 1100 PSI

1-1.5 at the bar at the gun

Graco recommendation: Air Assisted Airless.  
Tip: 210 or 310  
Pressure: 1100 PSI

SDS Number  
**DLXNZLEN003191**

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.

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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.