NZDU02577 Dulux Aquanamel Low Sheen on New Timber trim [Interior]

Scope of Works

DULUX Aquanamel Low Sheen is a premium quality water based interior 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 doors, architraves, timber trim, walls 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
Examine the surface for the presence of sap, grease, oil, wax, tannin, building marks, or other contaminants.

Clean surface
Scrape off and remove surface contaminants by paint scraper. Remove stains, dirt, wax, grease and oil with solvent. Treat mould with a suitable mould treatment.

Repair surface imperfections
Fill nail holes, cracks and other defects with a suitable water based wood filler and allow to dry thoroughly.

Sand surface
Sand the surface smooth using 180 - 240 grit sandpaper. Sand only in the direction of the grain. Round off all sharp edges to a minimum of 2 mm radius in order to achieve an even film build and uniform paint coverage. Remove all traces of sanding dust.

Ensure the wood is thoroughly clean and dry before commencing. If there is any doubt, measure moisture content which must be between 10-14% before staining or finishing can commence.

Coating System Summary

- 1st Coat — Dulux 1 Step Prep Water Based Primer Sealer Undercoat
- 2nd Coat — Dulux Aquanamel Low Sheen
- 3rd Coat — Dulux Aquanamel Low Sheen

Coating System

1st Coat — Dulux 1 Step Prep Water Based Primer Sealer Undercoat

Coat Type	Datasheet
1st Coat	**NZDU00432 Dulux 1 Step Prep Water Based Primer Sealer Undercoat**

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

Application Methods

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

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)			**14**
Wet Film Per Coat (microns)			**71**
Dry Film Per Coat (microns)			**31**
Recoat Time **	**2 Hours**		

V.O.C. Level	Meets ECNZ V.O.C. Requirements?
< 40g/L untinted	**Not Applicable**

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	SDS Link
DLXNZLEN002997	**View SDS Link**

2nd Coat — Dulux Aquanamel Low Sheen

Coat Type	Datasheet
2nd Coat	**NZDU00392 Dulux Aquanamel Low Sheen**

Read the full Datasheet details at Dulux Aquanamel Low Sheen

Application Methods

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

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)			**16**
Wet Film Per Coat (microns)			**62**
Dry Film Per Coat (microns)			**23**
Recoat Time **	**2 Hours**	**Indefinite**	

V.O.C. Level	Meets ECNZ V.O.C. Requirements?
WHITE 1 g/L	**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
Apply two coats of Dulux Aquanamel Low Sheen ensuring that the first coat is completely dry before applying the second.
Brush / Roller : Apply a full even coat direct from the can. Pre wet brushes and rollers with water before commencing application. Avoid excessive brushing or rolling back into the paint which has been drying for more than three minutes. Poor quality or worn brushes and rollers can affect the final finish achieved.
Stir contents thoroughly before and during use with a broad flat stirrer using an upward lifting action.
Thinning is not normally required, but if the conditions are hot and windy, up to 50mL per litre of Dulux Hot Weather Thinners may be added to ease application.
Conventional / Airless Spray : Suitable for application by conventional or airless spray equipment. Up to 100mL per litre of water may be added for application by conventional spray and up to 30mL per litre of water for airless spray to aid atomisation.

SDS Number	SDS Link
DLX001795	**View SDS Link**

3rd Coat — Dulux Aquanamel Low Sheen

Coat Type	Datasheet
3rd Coat	**NZDU00392 Dulux Aquanamel Low Sheen**

Read the full Datasheet details at Dulux Aquanamel Low Sheen

Application Methods

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

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)			**16**
Wet Film Per Coat (microns)			**62**
Dry Film Per Coat (microns)			**23**
Recoat Time **	**2 Hours**	**Indefinite**	

V.O.C. Level **WHITE 1 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.

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DLX001795	**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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