

**DULUX Aquanamel Semi Gloss for New Timber Joinery & Trim****Spec Code****NZSD0299****Description**

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****TIMBER****SUBSTRATE DESCRIPTION****NEW TIMBER**

New timber items 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 and also for other defects such as sap and tannin stains, and resin exudation from knots. Examine surfaces for wax or preservatives. Moisture content should be close to equilibrium moisture content, usually 10-17% for satisfactory staining or coating. Timber should be stored out of the weather before painting. Timber left exposed to the weather for as little as one month prior to painting will suffer from reduced paint adhesion and durability.

**AGED TIMBER**

Old timber surfaces should be inspected for dry rot, mould or fungus, excessive water content, grey and weathered timber, grain cracking, resins, stains, old unsound paint, dirt and any surface contamination. These defects should be rectified prior to painting.

**TANNIN RICH TIMBER**

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.

**Substrate Preparation****PTI003 - TIMBER****TI PREPARATION OF NEW TIMBER SURFACES****ASSESS SUITABILITY**

Ensure the wood is thoroughly clean and dry before commencing. If there is any doubt, measure moisture content which must be between 10-17% before staining or finishing can commence.

**REMOVE SURFACE CONTAMINANTS**

Examine the surface for the presence of sap, grease, oil, wax, tannin, building marks, or other contaminants. Scrape off and remove residual contaminants by solvent cleaning. 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.

**CLEAN**

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**

Fill nail holes, cracks and other defects with a suitable wood filler and allow to dry thoroughly.

**SANDING**

Sand dressed timber with fine sandpaper in direction of the grain and along the full length of the board. Round off all sharp edges to a minimum of 2 mm radius in order to achieve an even film build and uniform paint coverage.

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### Coating System

	Data Sheet		Dry Film Thickness (microns)	Theoretical Spreading Rate* (square metres per litre)	Recoat**
<b>1st Coat</b>					
DULUX Precoat Acrylic Primer Undercoat	DD0813	Min	30	13.7	2 Hours
Brush		Max	30	13.7	Indefinite
<b>2nd Coat</b>					
DULUX Aquanamel Semi Gloss Acrylic Enamel	DD1028	Min	23	16.1	4 hours
Brush, roller, conventional and airless spray		Max	23	16.1	
<b>3rd Coat</b>					
DULUX Aquanamel Semi Gloss Acrylic Enamel	DD1028	Min	23	16.1	4 hours
Brush, roller, conventional and airless spray		Max	23	16.1	

\* 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 quoted for 25°C and 50% Relative humidity, these may vary under different conditions.

### Important Notes

Some colours may require additional top coats to achieve coverage.  
 Spread of Flame Index = 8  
 Smoke Developed Index = 5

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The data provided within the Duspec system is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating systems.

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Please note that this document is only valid for 60 days from the date of issue.

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This specification should be read in conjunction with the Product Datasheets specified within this document.

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