

## NZIN00131 Intergrain Ultraclear Interior Satin on Painted Timber trim [Interior]

### Description

Intergrain Ultraclear Satin is a tough, fast drying, clear, water borne acrylic finish for use on interior timber surfaces. Ultraclear incorporates UV absorbers to provide greater protection against the yellowing and darkening of timber that is commonly encountered with traditional oil based polyurethanes and varnishes. Ultraclear has a low odour, easy to apply and quick drying allowing several coats to be applied in one day.

### 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 adhesion test; if coating fails, it must be removed.

##### Clean surface

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

##### Repair surface imperfections

Remove paint that is poorly adhering, or showing signs of deterioration such as cracking, peeling or flaking by sanding, power sanding, scraping, wire brushing or a water based paint stripper strictly in accordance with the manufacturer's instructions.

Feather edges of any remaining sound paint to completely remove visual ridges and wash or dust off to remove debris. Fill nail holes, cracks and other defects with a suitable water based wood filler and allow to dry thoroughly. Any major design faults or decayed timber leading to structural weakness must be corrected prior to repainting.

##### Sand surface

Sand the entire cleaned surface to an even flat gloss level to provide a smooth, uniform surface and to provide a good key for the new coating system.

##### Prime



Spot prime bare timber with the spot primer nominated in the Coating System.

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

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

- |               |                                      |
|---------------|--------------------------------------|
| • Spot Primer | Intergrain Ultraclear Interior Satin |
| • 1st Coat    | Intergrain Ultraclear Interior Satin |
| • 2nd Coat    | Intergrain Ultraclear Interior Satin |

Coating System			
<b>Spot Primer — Intergrain Ultraclear Interior Satin</b>			
Coat Type <b>Spot Primer</b>	Datasheet <b>NZIN00060 Intergrain Ultraclear Interior Satin</b>		
Read the full Datasheet details at <a href="#">Intergrain Ultraclear Interior Satin</a>			
Application Methods			
<div>  <b>Air Spray</b>  <b>Brush</b> </div>			
	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	<input type="text"/>	<input type="text"/>	<b>13</b>
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	<b>78</b>
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	<b>21</b>
Recoat Time **	<b>3 Hours</b>	<input type="text"/>	<input type="text"/>
V.O.C. Level <b>&lt; 15g/L</b>		Meets ECNZ V.O.C. Requirements? <b>Yes</b> 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.	
<b>Coating Application Details</b> Do not apply by roller. Stir thoroughly before and during use with a flat blade stirrer. Do not shake or thin. If project requires more than one can of tinted UltraClear Interior, mix all cans together in one large container to ensure colour uniformity. Apply a minimum of two generous coats of UltraClear Interior with a quality synthetic or pure bristle brush or by spray (air assisted or airless). Take care to apply sufficient product to edges and end grain. Maintain a wet edge to avoid lap marks and an uneven finish. When applying by brush, lay off in the direction of the grain. To aid application, soak the brush in water and remove surplus before loading with UltraClear Interior. Do not overwork as this can result in poor appearance. When spraying ensure adequate film build is applied to achieve maximum durability. It is normal for UltraClear Interior to have a milky appearance when first applied, this disappears on drying. Allow a minimum of three hours drying between coats. Sand lightly with fine grit sandpaper to remove any raised grain. If coating large surfaces in warm conditions, wash the brush out at regular intervals to allow smooth application. If using tinted UltraClear Interior, the colour will become deeper with each application. If desired colour is achieved after one coat, apply untinted UltraClear Interior to complete the required number of coats.  <b>MAINTENANCE</b> Clean using water and a non-abrasive household detergent. To ensure minimum preparation when recoating, surfaces should be recoated before UltraClear Interior has worn away to expose bare timber. Clean to remove any waxes or polishes. When dry, sand to a uniform surface and wipe away dust. Apply one to two coats following application instructions. Where UltraClear Interior has worn away to expose bare timber it must be thoroughly removed and the surface prepared as per instructions for new timber. A combination of Liquid 8 Timber Stripper* and sanding is recommended.			
SDS Number <b>21753</b>		SDS Link	
<b>1st Coat — Intergrain Ultraclear Interior Satin</b>			
Coat Type <b>1st Coat</b>	Datasheet <b>NZIN00060 Intergrain Ultraclear Interior Satin</b>		
Read the full Datasheet details at <a href="#">Intergrain Ultraclear Interior Satin</a>			

Application Methods



Air Spray



Brush

	Min	Max	Recommended
Theoretical Spread Rate (m <sup>2</sup> /L)	<input type="text"/>	<input type="text"/>	13
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	78
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	21
Recoat Time **	3 Hours	<input type="text"/>	<input type="text"/>

V.O.C. Level  
< 15g/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

Do not apply by roller.

Stir thoroughly before and during use with a flat blade stirrer. Do not shake or thin. If project requires more than one can of tinted UltraClear Interior, mix all cans together in one large container to ensure colour uniformity.

Apply a minimum of two generous coats of UltraClear Interior with a quality synthetic or pure bristle brush or by spray (air assisted or airless). Take care to apply sufficient product to edges and end grain. Maintain a wet edge to avoid lap marks and an uneven finish. When applying by brush, lay off in the direction of the grain. To aid application, soak the brush in water and remove surplus before loading with UltraClear Interior. Do not overwork as this can result in poor appearance. When spraying ensure adequate film build is applied to achieve maximum durability. It is normal for UltraClear Interior to have a milky appearance when first applied, this disappears on drying.

Allow a minimum of three hours drying between coats. Sand lightly with fine grit sandpaper to remove any raised grain.

If coating large surfaces in warm conditions, wash the brush out at regular intervals to allow smooth application.

If using tinted UltraClear Interior, the colour will become deeper with each application. If desired colour is achieved after one coat, apply untinted UltraClear Interior to complete the required number of coats.

MAINTENANCE

Clean using water and a non-abrasive household detergent.

To ensure minimum preparation when recoating, surfaces should be recoated before UltraClear Interior has worn away to expose bare timber. Clean to remove any waxes or polishes. When dry, sand to a uniform surface and wipe away dust. Apply one to two coats following application instructions.

Where UltraClear Interior has worn away to expose bare timber it must be thoroughly removed and the surface prepared as per instructions for new timber. A combination of Liquid 8 Timber Stripper\* and sanding is recommended.

SDS Number  
21753

SDS Link

**2nd Coat — Intergrain Ultraclear Interior Satin**

Coat Type  
2nd Coat

Datasheet  
NZIN00060 Intergrain Ultraclear Interior Satin

Read the full Datasheet details at [Intergrain Ultraclear Interior Satin](#)

Application Methods



Air Spray



Brush

	Min	Max	Recommended
Theoretical Spread Rate (m <sup>2</sup> /L)	<input type="text"/>	<input type="text"/>	13
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	78

Dry Film Per Coat (microns)			21
Recoat Time **	3 Hours		
V.O.C. Level < 15g/L	Meets ECNZ V.O.C. Requirements? <b>Yes</b> 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.		
<b>Coating Application Details</b> Do not apply by roller. Stir thoroughly before and during use with a flat blade stirrer. Do not shake or thin. If project requires more than one can of tinted UltraClear Interior, mix all cans together in one large container to ensure colour uniformity. Apply a minimum of two generous coats of UltraClear Interior with a quality synthetic or pure bristle brush or by spray (air assisted or airless). Take care to apply sufficient product to edges and end grain. Maintain a wet edge to avoid lap marks and an uneven finish. When applying by brush, lay off in the direction of the grain. To aid application, soak the brush in water and remove surplus before loading with UltraClear Interior. Do not overwork as this can result in poor appearance. When spraying ensure adequate film build is applied to achieve maximum durability. It is normal for UltraClear Interior to have a milky appearance when first applied, this disappears on drying. Allow a minimum of three hours drying between coats. Sand lightly with fine grit sandpaper to remove any raised grain. If coating large surfaces in warm conditions, wash the brush out at regular intervals to allow smooth application. If using tinted UltraClear Interior, the colour will become deeper with each application. If desired colour is achieved after one coat, apply untinted UltraClear Interior to complete the required number of coats.  <b>MAINTENANCE</b> Clean using water and a non-abrasive household detergent. To ensure minimum preparation when recoating, surfaces should be recoated before UltraClear Interior has worn away to expose bare timber. Clean to remove any waxes or polishes. When dry, sand to a uniform surface and wipe away dust. Apply one to two coats following application instructions. Where UltraClear Interior has worn away to expose bare timber it must be thoroughly removed and the surface prepared as per instructions for new timber. A combination of Liquid 8 Timber Stripper* and sanding is recommended.			
SDS Number <b>21753</b>	SDS Link		
<b>Coating System Notes</b> * 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.