

NZIN00156 Intergrain Ultrafloor Satin on Painted Timber trim [Interior]

Description

Intergrain NaturalStain is a high performance, semi transparent, water based stain to transform the colour of exterior timber whilst protecting it from the destructive forces of nature. Available in a range of base colours that can be tinted to achieve a wide colour palette, NaturalStain delivers a vast range of timber colour options to cater for individual designs or to present treated pine as another timber species Intergrain UltraFloor is a commercial strength, extra tough, clear, water based clear timber floor finish. UltraFloor has a low odour and is fast drying, enabling floors to be finished within one day. UltraFloor preserves the natural colour of the timber and, unlike oil based finishes, will not darken or yellow. UltraFloor is easy to apply and has excellent resistance to abrasion, water, alcohol and most household chemicals.

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

- | | |
|------------|-----------------------------------|
| • 1st Coat | Intergrain UltraDeck Timber Stain |
| • 2nd Coat | Intergrain Ultrafloor Satin |
| • 3rd Coat | Intergrain Ultrafloor Satin |

Coating System			
1st Coat — Intergrain UltraDeck Timber Stain			
Coat Type 1st Coat	Datasheet NZIN00040 Intergrain UltraDeck Timber Stain		
Read the full Datasheet details at Intergrain UltraDeck Timber Stain			
Application Methods			
<div>  Air Spray  Brush  Pad </div>			
	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	12		
Wet Film Per Coat (microns)	84		
Dry Film Per Coat (microns)	26		
Recoat Time **	#		
V.O.C. Level <70g/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 Remove excess water from the surface and allow the timber to dry for at least 1 hour before coating. Stir Intergrain UltraDeck Timber Stain thoroughly before and during use with a flat blade stirrer. It is recommended to test in a small area to ensure satisfaction with the colour and finish prior to staining the whole project, ensure to apply 2-3 coats for the best indication of final colour. Apply Intergrain UltraDeck Timber Stain using the Intergrain DeckBrush (recommended), flat deck applicator, paint brush or spray (air assisted or airless). Do not use a roller. Apply at the coverage rate of 6-12m²/L. Do not overspread or apply thinly as insufficient film thickness will result in lap marks and compromise performance and durability. When coating large areas, work in sections, apply long strokes and use natural breaks in the boards as stopping points. If spraying, it is recommended to back brush to even out the finish and avoid spotting. Allow to dry following the recoat time indicated in the section TYPICAL PROPERTIES above, then apply a second coat. If necessary, sand lightly between coats to remove any raised grain. A third coat will give extra protection and is required in harsh conditions such as full sun exposure, around pools and in humid areas or if the first coat was applied on damp or porous timber. Important: All timber is required to be free from dust, mould and site contaminants prior to coating. Follow all relevant product label instructions when using Intergrain products. Keep freshly coated contacting surfaces such as doors and windows ajar for several days to prevent sticking. Maintenance Conduct a routine 12 monthly maintenance inspection. Colour fade is the first sign of need to recoat. Best protection of the timber and ease of maintenance is ensured if Intergrain UltraDeck Timber Stain is recoated before deterioration of the coating and timber underneath occurs. Help & advice Australia – 1800 630 285 www.intergrain.com.au NZ – 0800 222 687 www.intergrain.co.nz			

For detailed project specifications or a Safety Data Sheet, contact Intergrain Help & Advice or visit our website.

SDS Number
DLXGHSEN003479

SDS Link
[View SDS Link](#)

2nd Coat — Intergrain Ultrafloor Satin

Coat Type
2nd Coat

Datasheet
NZIN00012 Intergrain Ultrafloor Satin

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

Application Methods



Brush



Roller



Pad

	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	<input type="text"/>	<input type="text"/>	11
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	91
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	27
Recoat Time **	4 hours	Indefinite	<input type="text"/>

V.O.C. Level
< 75g/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

Stir thoroughly before and during use with a flat blade stirrer. Do not thin.

For a slip resistant surface on stairs and ramps, add Intergrain UltraGrip™ into each coat of UltraFloor Satin. Note: UltraGrip should only be added to UltraFloor Satin as the grip texture will dull a Gloss finish.

Cut in around edges with a narrow brush or applicator.

Apply an even, generous coat with a lambswool applicator, short nap roller or quality long bristle brush. Work along the complete length of three to four boards at a time, keeping a wet edge to prevent lapping or join marks. Lay off lightly in the direction of the grain.

Do not overwork the coating as this will result in a patchy, uneven finish.

Allow a minimum of four hours to dry. Sand lightly with a fine grit paper to remove any raised grain. Vacuum to remove sanding dust.

Apply two more coats as above, sanding lightly between coats. More coats may be applied if desired.

Maintenance

Regularly clean floors with Cabot's Floor Clean.

Surfaces should be recoated before UltraFloor has worn away to expose bare timber.

Clean to remove any waxes or polishes. When dry, sand to a uniform dull surface and wipe away dust. Apply one to two coats following application instructions.

If patches of floor have been worn back to bare timber, the coating must be fully removed by sanding and the surface prepared as per instructions for previously finished surfaces.

Slip resistant finish

A slip resistant finish can be obtained by applying one of the following applicable systems:

Tested to AS 4586:2013 Slip resistance classification of new pedestrian surface materials.

To achieve a WET Pendulum rating of P4

1 coat Intergrain UltraFloor Satin.

1 coat Intergrain UltraFloor Satin, with 5% Intergrain UltraGrip added.

1 coat Intergrain UltraFloor Satin.

To achieve a WET Pendulum rating of P5

- 1 coat Intergrain UltraFloor Satin.
- 2 coats Intergrain UltraFloor Satin, with 5% Intergrain UltraGrip added to each coat.

Intergrain UltraGrip must be added at a rate of 5%. That is:

- 200g of UltraGrip for 4L of coating
- 500g of UltraGrip for 10L of coating

When UltraGrip is added, the sheen or gloss level of the resultant coating will be lower than normal.

When using UltraGrip, do not sand the coat that contains the UltraGrip.

When using UltraGrip with Intergrain UltraFloor, decant UltraFloor into another clean container before adding the UltraGrip. While stirring, add UltraGrip slowly to avoid generating dust. Stir in UltraGrip thoroughly with a flat blade stirrer or drill mixer until fully mixed in and lump-free.

Stir regularly during use.

Maintaining a slip resistant finish

In order to maintain a slip resistant finish, the floor must be recoated as the slip resistance decreases due to wear.

When recoating is required

Clean the surface with Cabot's Floorclean, following label instructions.

Allow the floor to fully dry.

Lightly sand the existing coating.

Remove all sanding dust.

Apply 1 coat of Intergrain UltraFloor Satin with 5% Intergrain UltraGrip added. Follow label instructions.

Allow to dry.

Apply 1 coat of Intergrain UltraFloor Satin. Follow label instructions.

SDS Number
21683

SDS Link
[View SDS Link](#)

3rd Coat — Intergrain Ultrafloor Satin

Coat Type
3rd Coat

Datasheet
NZIN00012 Intergrain Ultrafloor Satin

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

Application Methods



Brush



Roller



Pad

	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	<input type="text"/>	<input type="text"/>	11
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	91
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	27
Recoat Time **	4 hours	Indefinite	<input type="text"/>

V.O.C. Level
< 75g/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 tinters required for non-factory packaged colours.

Coating Application Details

Stir thoroughly before and during use with a flat blade stirrer. Do not thin.

For a slip resistant surface on stairs and ramps, add Intergrain UltraGrip™ into each coat of UltraFloor Satin. Note: UltraGrip should only be added to UltraFloor Satin as the grip texture will dull a Gloss finish.

Cut in around edges with a narrow brush or applicator.

Apply an even, generous coat with a lambswool applicator, short nap roller or quality long bristle brush. Work along the complete length of three to four boards at a time, keeping a wet edge to prevent lapping or join marks. Lay off lightly in the direction of the grain.

Do not overwork the coating as this will result in a patchy, uneven finish.
Allow a minimum of four hours to dry. Sand lightly with a fine grit paper to remove any raised grain. Vacuum to remove sanding dust.
Apply two more coats as above, sanding lightly between coats. More coats may be applied if desired.

Maintenance

Regularly clean floors with Cabot's Floor Clean.
Surfaces should be recoated before UltraFloor has worn away to expose bare timber.
Clean to remove any waxes or polishes. When dry, sand to a uniform dull surface and wipe away dust. Apply one to two coats following application instructions.
If patches of floor have been worn back to bare timber, the coating must be fully removed by sanding and the surface prepared as per instructions for previously finished surfaces.

Slip resistant finish

A slip resistant finish can be obtained by applying one of the following applicable systems:

Tested to AS 4586:2013 Slip resistance classification of new pedestrian surface materials.

To achieve a WET Pendulum rating of P4

- 1 coat Intergrain UltraFloor Satin.
- 1 coat Intergrain UltraFloor Satin, with 5% Intergrain UltraGrip added.
- 1 coat Intergrain UltraFloor Satin.

To achieve a WET Pendulum rating of P5

- 1 coat Intergrain UltraFloor Satin.
- 2 coats Intergrain UltraFloor Satin, with 5% Intergrain UltraGrip added to each coat.

Intergrain UltraGrip must be added at a rate of 5%. That is:

- 200g of UltraGrip for 4L of coating
- 500g of UltraGrip for 10L of coating

When UltraGrip is added, the sheen or gloss level of the resultant coating will be lower than normal.
When using UltraGrip, do not sand the coat that contains the UltraGrip.
When using UltraGrip with Intergrain UltraFloor, decant UltraFloor into another clean container before adding the UltraGrip. While stirring, add UltraGrip slowly to avoid generating dust. Stir in UltraGrip thoroughly with a flat blade stirrer or drill mixer until fully mixed in and lump-free.
Stir regularly during use.

Maintaining a slip resistant finish

In order to maintain a slip resistant finish, the floor must be recoated as the slip resistance decreases due to wear.

When recoating is required

- Clean the surface with Cabot's Floorclean, following label instructions.
- Allow the floor to fully dry.
- Lightly sand the existing coating.
- Remove all sanding dust.
- Apply 1 coat of Intergrain UltraFloor Satin with 5% Intergrain UltraGrip added. Follow label instructions.
- Allow to dry.
- Apply 1 coat of Intergrain UltraFloor Satin. Follow label instructions.

SDS Number
21683

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.