


## Intergrain UltraDeck Timber Stain on New Timber [Exterior]





AUSW3901





Description
<p>Intergrain NaturalStain is a high performance, semi-transparent, water based matt to low sheen stain designed to protect and enhance exterior timber. NaturalStain is formulated using unique nano-particle technology which provides excellent tannin blocking, and resistance to UV, water and mould. Ideal for timber decking, garden furniture and weatherboards, NaturalStain protects against the destructive effects of weathering and is more durable than conventional semi-transparent oil based finishes. NaturalStain is low odour and fast drying, enabling two coats to be applied in one day, and is available in a range of natural timber tones. NaturalStain can be overcoated with Intergrain UltraClear Exterior for a gloss or a satin finish, and for extra protection.</p>





Substrate And Substrate Preparation	
<b>Substrate Notes:</b>	<p><b>SUBSTRATE DESCRIPTION</b></p> <p><b>NEW TIMBER</b> 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.</p> <p><b>AGED TIMBER</b> 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.</p> <p><b>TANNIN RICH TIMBER</b> 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. These products are manufactured as smooth sheets consisting of wood fibres bound with either natural lignin or a small percentage of phenolic resin. Hardboard is widely used as interior panelling but is vulnerable to moisture and therefore not suitable for exterior exposure or in high condensation conditions. Repairing damaged hardboard is not generally practicable and it is advisable to completely replace any damaged sections. These products are manufactured from timber fibre bound with thermosetting phenol formaldehyde resin. They contain wax which may inhibit the drying of solvent based alkyd enamels and tannins which may bleed through water based coatings. As manufactured the smooth surfaces provide an ideal surface for finishing but machined edges are more porous and may show fibre raising when primed.</p>
<b>Substrate Preparation Notes:</b>	<p><b>ASSESS SUITABILITY</b> 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.</p> <p><b>REMOVE SURFACE CONTAMINANTS</b> 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. <b>CLEAN</b> 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.</p> <p><b>REPAIR SURFACE IMPERFECTIONS</b> Fill nail holes, cracks and other defects with a suitable wood filler and allow to dry thoroughly.</p> <p><b>SANDING</b> 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.</p>
<b>Additional Notes:</b>	<p>Timber colour and species will influence the final appearance of semi-transparent stains. Test on a small area or off cut for colour suitability before use.</p>

Coating System Summary	
<b>Prep Coat:</b>	AUDW0767: Intergrain Reviva
<b>1st Coat:</b>	AU_DW02613: Intergrain UltraDeck Timber Stain
<b>2nd Coat:</b>	AU_DW02613: Intergrain UltraDeck Timber Stain
<b>Optional:</b>	AU_DW02613: Intergrain UltraDeck Timber Stain
Please refer to the coating system details below	

Coating System			
Coat Type:	Prep Coat	Datasheet:	AUDW0767 Intergrain Reviva
Application Methods:	 Other Brush, applicator and scrub broom		
		Min	Max
Theoretical Spread Rate *		0	0
Dry Film Per Coat (microns)		0	0
Recoat Time **		NA	NA
Coating Application Details:	<p>Shake Reviva thoroughly.</p> <p>Mix ONE (1) part Reviva to FOUR (4) parts water in a plastic container.</p> <p>For severe staining a stronger solution or repeat applications may be necessary. Tannin rich timbers may also require repeat applications; wash until the water used to rinse Reviva off is clear.</p> <p>CAUTION: Wear waterproof gloves and safety glasses. Avoid contact with painted, concrete or metal surfaces and vegetation. May be corrosive to metals. Rinse off thoroughly if contact occurs.</p> <p>Wet the timber surfaces to be cleaned with water.</p> <p>Apply Reviva mixture generously to the timber with a stiff bristle brush, broom or scouring pad. Scrub the timber vigorously. Clean complete sections at one time. Spot cleaning should be avoided to prevent patchy results.</p> <p>Leave mixture on the timber for 10-15 minutes. If necessary, apply more mixture to keep timber damp throughout this period. For best results Reviva should be applied to cool surfaces, out of direct sunlight, to avoid the cleaner drying on the timber.</p> <p>Rinse off exterior surfaces thoroughly using maximum pressure from a garden hose or using a high pressure water cleaner. A high pressure water cleaner is recommended for large areas or badly discoloured timber.</p> <p>Note: Failure to thoroughly remove mixture may result in timber discolouration under clear finishes.</p> <p>Allow timber to dry thoroughly before applying further products.</p> <p>Note: After cleaning, some timber species will appear lighter due to loss of water soluble extractives. Richer colour is generally restored on application of the finish.</p>		

<b>Coat Type:</b>	1st Coat	<b>Datasheet:</b>	AU_DW02613 Intergrain UltraDeck Timber Stain
<b>Application Methods:</b>	    Air Spray   Airless Spray   Brush   Pad		
		<b>Min</b>	<b>Max</b>
<b>Theoretical Spread Rate *</b>		9	9
<b>Wet Film Per Coat (microns)</b>		84	
<b>Dry Film Per Coat (microns)</b>		58	29.2
<b>Recoat Time **</b>		3 hours	
<b>Coating Application Details:</b>	<p>Remove excess water from the surface and allow the timber to dry for at least 1 hour before coating.</p> <p>Stir Intergrain UltraDeck Timber Stain thoroughly before and during use with a flat blade stirrer.</p> <p>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.</p> <p>Apply Intergrain UltraDeck Timber Stain using the Intergrain DeckBrush (recommended), flat deck applicator, paint brush or spray (air assisted airless or airless). Do not use a roller.</p> <p>Apply at the coverage rate of 6-12m<sup>2</sup>/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.</p> <p>Allow to dry following the recoat time indicated in the section TYPICAL PROPERTIES, then apply a second coat. If necessary, sand lightly between coats to remove any raised grain.</p> <p>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.</p> <p>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.</p> <p><b>MAINTENANCE</b></p> <p>Conduct a routine 12 monthly maintenance inspection. Colour fade is the first sign of need to recoat.</p> <p>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.</p> <p><b>HELP &amp; ADVICE</b></p> <p>Australia – 1800 630 285 www.intergrain.com.au</p> <p>NZ – 0800 222 687 www.intergrain.co.nz</p> <p>For detailed project specifications or a Safety Data Sheet, contact Intergrain Help &amp; Advice or visit our website.</p>		
<b>Additional Coating Details:</b>	If necessary, sand lightly between coats to remove any raised grain.		

<b>Coat Type:</b>	2nd Coat	<b>Datasheet:</b>	AU_DW02613 Intergrain UltraDeck Timber Stain
<b>Application Methods:</b>	    Air Spray   Airless Spray   Brush   Pad		
		<b>Min</b>	<b>Max</b>
<b>Theoretical Spread Rate *</b>		9	9
<b>Wet Film Per Coat (microns)</b>		84	
<b>Dry Film Per Coat (microns)</b>		58	29.2
<b>Recoat Time **</b>		3 hours	
<b>Coating Application Details:</b>	<p>Remove excess water from the surface and allow the timber to dry for at least 1 hour before coating.</p> <p>Stir Intergrain UltraDeck Timber Stain thoroughly before and during use with a flat blade stirrer.</p> <p>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.</p> <p>Apply Intergrain UltraDeck Timber Stain using the Intergrain DeckBrush (recommended), flat deck applicator, paint brush or spray (air assisted airless or airless). Do not use a roller.</p> <p>Apply at the coverage rate of 6-12m<sup>2</sup>/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.</p> <p>Allow to dry following the recoat time indicated in the section TYPICAL PROPERTIES, then apply a second coat. If necessary, sand lightly between coats to remove any raised grain.</p> <p>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.</p> <p>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.</p> <p><b>MAINTENANCE</b></p> <p>Conduct a routine 12 monthly maintenance inspection. Colour fade is the first sign of need to recoat.</p> <p>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.</p> <p><b>HELP &amp; ADVICE</b></p> <p>Australia – 1800 630 285 www.intergrain.com.au</p> <p>NZ – 0800 222 687 www.intergrain.co.nz</p> <p>For detailed project specifications or a Safety Data Sheet, contact Intergrain Help &amp; Advice or visit our website.</p>		
<b>Additional Coating Details:</b>	If necessary, sand lightly between coats to remove any raised grain.		

<b>Coat Type:</b>	Optional	<b>Datasheet:</b>	AU_DW02613 Intergrain UltraDeck Timber Stain
<b>Application Methods:</b>	    Air Spray   Airless Spray   Brush   Pad		
		<b>Min</b>	<b>Max</b>
<b>Theoretical Spread Rate *</b>		9	9
<b>Wet Film Per Coat (microns)</b>		84	
<b>Dry Film Per Coat (microns)</b>		58	29.2
<b>Recoat Time **</b>		3 hours	
<b>Coating Application Details:</b>	<p>Remove excess water from the surface and allow the timber to dry for at least 1 hour before coating.</p> <p>Stir Intergrain UltraDeck Timber Stain thoroughly before and during use with a flat blade stirrer.</p> <p>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.</p> <p>Apply Intergrain UltraDeck Timber Stain using the Intergrain DeckBrush (recommended), flat deck applicator, paint brush or spray (air assisted airless or airless). Do not use a roller.</p> <p>Apply at the coverage rate of 6-12m<sup>2</sup>/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.</p> <p>Allow to dry following the recoat time indicated in the section TYPICAL PROPERTIES, then apply a second coat. If necessary, sand lightly between coats to remove any raised grain.</p> <p>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.</p> <p>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.</p> <p><b>MAINTENANCE</b></p> <p>Conduct a routine 12 monthly maintenance inspection. Colour fade is the first sign of need to recoat.</p> <p>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.</p> <p><b>HELP &amp; ADVICE</b></p> <p>Australia – 1800 630 285 www.intergrain.com.au</p> <p>NZ – 0800 222 687 www.intergrain.co.nz</p> <p>For detailed project specifications or a Safety Data Sheet, contact Intergrain Help &amp; Advice or visit our website.</p>		
<b>Additional Coating Details:</b>	THREE coats of NaturalStain will be required in extreme conditions such as full sun exposure, around pools and in humid areas, and may be required on porous timbers.		

## Comments

- Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
- Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
- Dry times apply to a single coat at recommended spread rate at 25°C and 50% Relative Humidity. Allow longer times under cool, moist or still conditions.
- Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (eg wind).

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