

**Intergrain Ultraclear Exterior Matt on New Timber
[Interior/Exterior]**

AU_SW14453

Description
<p>Intergrain UltraClear Exterior is a tough, clear, marine grade water based timber finish for use on window frames, doors and trims. Incorporating UV absorbers, UltraClear Exterior provides superior protection against the weather including the harmful effects of the sun's UV radiation. Available in gloss and satin, UltraClear Exterior has a low odour and unlike oil based coatings will not yellow. Easy to apply and fast drying, UltraClear Exterior allows for several coats to be applied in one day. UltraClear Exterior may be applied over Intergrain NaturalStain™ to give a gloss or satin finish. Note: UltraClear Exterior is not suitable for coating areas subject to foot traffic. The UV absorber system in UltraClear Exterior will impart a subtle transparent brown tint.</p> <p>#ENVIRONMENTALLY RESPONSIBLE: Being water based, UltraClear Exterior emits significantly less VOC's (volatile organic compounds) into the atmosphere than traditional oil based exterior clear finishes. This makes UltraClear Exterior safer to use, and much gentler on the environment.</p>

Substrate And Substrate Preparation	
Substrate Notes:	<p>SUBSTRATE DESCRIPTION</p> <p>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, 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>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.</p> <p>TANNIN RICH TIMBER Tannins are water-soluble compounds 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.</p> <p>MANUFACTURED HARDBOARD 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 practical 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>
Substrate Preparation Notes:	<p>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.</p> <p>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.</p> <p>REPAIR SURFACE IMPERFECTIONS Fill nail holes, cracks and other defects with a suitable wood filler and allow to dry thoroughly.</p> <p>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.</p>

Coating System Summary	
1st Coat:	AU_DW02499: Intergrain Ultraclear Exterior Matt
2nd Coat:	AU_DW02499: Intergrain Ultraclear Exterior Matt
Optional:	AU_DW02499: Intergrain Ultraclear Exterior Matt
Please refer to the coating system details below	

Coating System			
Coat Type:	1st Coat	Datasheet:	AU_DW02499 Intergrain Ultraclear Exterior Matt
Application Methods:	 Air Spray	 Airless Spray	 Brush
	Theoretical Spread Rate * Dry Film Per Coat (microns) Recoat Time **	Min 4 hours	Max 12 7 days Recommended 11 34 91
Coating Application Details:	<p>Do not apply with a roller.</p> <p>Stir thoroughly before and during use with a flat blade stirrer.</p> <p>To ease application and achieve the best possible finish when coating large areas or in warm conditions, add Intergrain Hot Weather Additive™* to UltraClear Exterior as per the label instructions.</p> <p>Apply three coats of UltraClear Exterior with a quality synthetic or pure bristle brush, pad applicator or spray (air assisted airless or airless). FOUR or more coats will be required in extreme conditions such as full sun exposure, marine environments and in humid areas, and may be required on porous timbers. When applied at the correct application rate (see COVERAGE) the coating will have a milky appearance which becomes transparent on drying.</p> <p>Do not brush out until transparent, over brush or apply thinly, as insufficient film thickness will compromise performance and durability.</p> <p>If spraying, back brush after each section is coated to ensure a uniform finish.</p> <p>Apply along the length of the board including exposed edges and end grain.</p> <p>If necessary, sand lightly between coats to remove any raised grain.</p> <p>Keep freshly coated contacting surfaces such as doors and windows ajar for several days if possible. Some tight closing windows may need sealing strips to prevent sticking.</p> <p>STAINING If timber is to be stained, prepare timber as per SURFACE PREPARATION above. Then coat with Intergrain NaturalStain as per NaturalStain label APPLICATION instructions.</p> <p>MAINTENANCE Conduct a routine 12 monthly maintenance inspection. Note: For marine environments conduct a 3 monthly maintenance inspection. Best protection of the timber and ease of maintenance is ensured if UltraClear Exterior is recoated before deterioration of the coating and timber underneath occurs.</p> <p>First indication of the need for recoating will be observed as patchiness or thinning of the surface coating on edges and areas where insufficient product has been applied.</p> <p>If small areas of timber have weathered through to cause deterioration of the coating, sand affected areas back to bare timber, remove sanding dust and recoat.</p> <p>For large weathered areas remove UltraClear Exterior by sanding, or use a combination of Liquid 8 Timber Stripper* and sanding.</p> <p>To recoat UltraClear Exterior which is in good condition, lightly sand, remove sanding dust and apply one coat of UltraClear Exterior.</p>		

Coat Type:	2nd Coat	Datasheet:	AU_DW02499 Intergrain Ultraclear Exterior Matt	
Application Methods:	  	Air Spray Airless Spray Brush		
		Min	Max	Recommended
Theoretical Spread Rate *			12	11
Dry Film Per Coat (microns)				34
Recoat Time **	4 hours		7 days	91
Coating Application Details:	<p>Do not apply with a roller.</p> <p>Stir thoroughly before and during use with a flat blade stirrer.</p> <p>To ease application and achieve the best possible finish when coating large areas or in warm conditions, add Intergrain Hot Weather Additive™* to UltraClear Exterior as per the label instructions.</p> <p>Apply three coats of UltraClear Exterior with a quality synthetic or pure bristle brush, pad applicator or spray (air assisted airless or airless). FOUR or more coats will be required in extreme conditions such as full sun exposure, marine environments and in humid areas, and may be required on porous timbers. When applied at the correct application rate (see COVERAGE) the coating will have a milky appearance which becomes transparent on drying.</p> <p>Do not brush out until transparent, over brush or apply thinly, as insufficient film thickness will compromise performance and durability.</p> <p>If spraying, back brush after each section is coated to ensure a uniform finish.</p> <p>Apply along the length of the board including exposed edges and end grain.</p> <p>If necessary, sand lightly between coats to remove any raised grain.</p> <p>Keep freshly coated contacting surfaces such as doors and windows ajar for several days if possible. Some tight closing windows may need sealing strips to prevent sticking.</p> <p>STAINING If timber is to be stained, prepare timber as per SURFACE PREPARATION above. Then coat with Intergrain NaturalStain as per NaturalStain label APPLICATION instructions.</p> <p>MAINTENANCE Conduct a routine 12 monthly maintenance inspection. Note: For marine environments conduct a 3 monthly maintenance inspection. Best protection of the timber and ease of maintenance is ensured if UltraClear Exterior is recoated before deterioration of the coating and timber underneath occurs.</p> <p>First indication of the need for recoating will be observed as patchiness or thinning of the surface coating on edges and areas where insufficient product has been applied.</p> <p>If small areas of timber have weathered through to cause deterioration of the coating, sand affected areas back to bare timber, remove sanding dust and recoat.</p> <p>For large weathered areas remove UltraClear Exterior by sanding, or use a combination of Liquid 8 Timber Stripper* and sanding.</p> <p>To recoat UltraClear Exterior which is in good condition, lightly sand, remove sanding dust and apply one coat of UltraClear Exterior.</p>			

Coat Type:	Optional	Datasheet:	AU_DW02499 Intergrain Ultraclear Exterior Matt	
Application Methods:	  	Air Spray Airless Spray Brush		
		Min	Max	Recommended
Theoretical Spread Rate *			12	11
Dry Film Per Coat (microns)				34
Recoat Time **		4 hours	7 days	91
Coating Application Details:	<p>Do not apply with a roller.</p> <p>Stir thoroughly before and during use with a flat blade stirrer.</p> <p>To ease application and achieve the best possible finish when coating large areas or in warm conditions, add Intergrain Hot Weather Additive™* to UltraClear Exterior as per the label instructions.</p> <p>Apply three coats of UltraClear Exterior with a quality synthetic or pure bristle brush, pad applicator or spray (air assisted airless or airless). FOUR or more coats will be required in extreme conditions such as full sun exposure, marine environments and in humid areas, and may be required on porous timbers. When applied at the correct application rate (see COVERAGE) the coating will have a milky appearance which becomes transparent on drying.</p> <p>Do not brush out until transparent, over brush or apply thinly, as insufficient film thickness will compromise performance and durability.</p> <p>If spraying, back brush after each section is coated to ensure a uniform finish.</p> <p>Apply along the length of the board including exposed edges and end grain.</p> <p>If necessary, sand lightly between coats to remove any raised grain.</p> <p>Keep freshly coated contacting surfaces such as doors and windows ajar for several days if possible. Some tight closing windows may need sealing strips to prevent sticking.</p> <p>STAINING</p> <p>If timber is to be stained, prepare timber as per SURFACE PREPARATION above. Then coat with Intergrain NaturalStain as per NaturalStain label APPLICATION instructions.</p> <p>MAINTENANCE</p> <p>Conduct a routine 12 monthly maintenance inspection. Note: For marine environments conduct a 3 monthly maintenance inspection.</p> <p>Best protection of the timber and ease of maintenance is ensured if UltraClear Exterior is recoated before deterioration of the coating and timber underneath occurs.</p> <p>First indication of the need for recoating will be observed as patchiness or thinning of the surface coating on edges and areas where insufficient product has been applied.</p> <p>If small areas of timber have weathered through to cause deterioration of the coating, sand affected areas back to bare timber, remove sanding dust and recoat.</p> <p>For large weathered areas remove UltraClear Exterior by sanding, or use a combination of Liquid 8 Timber Stripper* and sanding.</p> <p>To recoat UltraClear Exterior which is in good condition, lightly sand, remove sanding dust and apply one coat of UltraClear Exterior.</p>			
Coating System Notes:	<p>* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.</p> <p>** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions.</p>			

Comments
<ul style="list-style-type: none"> Do not apply paint if the temperature is below 10°C or likely to fall below 10°C during the drying period.

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