

Intergrain Ultraclear Exterior Satin on New Timber [Exterior]

AUSW3918

Description

Intergrain UltraClear Exterior is a tough, clear, 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.

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 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>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 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>
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

Prep Coat:	AUDW0767: Intergrain Reviva
1st Coat:	AUDW1401: Intergrain Ultraclear Exterior Satin
2nd Coat:	AUDW1401: Intergrain Ultraclear Exterior Satin
3rd Coat:	AUDW1401: Intergrain Ultraclear Exterior Satin
Optional:	AUDW1401: Intergrain Ultraclear Exterior Satin

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	Recommended
Theoretical Spread Rate *	0	0	
Dry Film Per Coat (microns)	0	0	
Recoat Time **	NA	NA	
Coating Application Details:	Shake Reviva thoroughly. Mix ONE (1) part Reviva to FOUR (4) parts water in a plastic container. 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. 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. Wet the timber surfaces to be cleaned with water. 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. 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. 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. Note: Failure to thoroughly remove mixture may result in timber discolouration under clear finishes. Allow timber to dry thoroughly before applying further products. 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.		

Coat Type:	1st Coat	Datasheet:	AUDW1401 Intergrain Ultraclear Exterior Satin
Application Methods:	    Air Spray Airless Spray Brush Pad		
		Min	Max
Theoretical Spread Rate *	10	12	Recommended
Wet Film Per Coat (microns)			11
Dry Film Per Coat (microns)	35	29.3	91
Recoat Time **	4 hrs	7 days	34
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>		
Additional Coating Details:	<p>If necessary, sand lightly between coats to remove any raised grain.</p>		

Coat Type:	2nd Coat	Datasheet:	AUDW1401 Intergrain Ultraclear Exterior Satin
Application Methods:	 Air Spray  Airless Spray  Brush  Pad		
Theoretical Spread Rate *	Min 10	Max 12	Recommended 11
Wet Film Per Coat (microns)			91
Dry Film Per Coat (microns)	35	29.3	34
Recoat Time **	4 hrs	7 days	
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>		
Additional Coating Details:	<p>If necessary, sand lightly between coats to remove any raised grain.</p>		

Coat Type:	3rd Coat	Datasheet:	AUDW1401 Intergrain Ultraclear Exterior Satin
Application Methods:	    Air Spray Airless Spray Brush Pad		
Theoretical Spread Rate *	Min 10	Max 12	Recommended 11
Wet Film Per Coat (microns)			91
Dry Film Per Coat (microns)	35	29.3	34
Recoat Time **	4 hrs	7 days	
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>		
Additional Coating Details:	<p>If necessary, sand lightly between coats to remove any raised grain.</p>		

Coat Type:	Optional	Datasheet:	AUDW1401 Intergrain Ultraclear Exterior Satin
Application Methods:	    Air Spray Airless Spray Brush Pad		
Theoretical Spread Rate *	Min 10	Max 12	Recommended 11
Wet Film Per Coat (microns)			91
Dry Film Per Coat (microns)	35	29.3	34
Recoat Time **	4 hrs	7 days	
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>		
Additional Coating Details:	<p>FOUR or more coats of UltraClear Exterior will be required in extreme conditions such as full sun exposure and in humid areas, and may be required on porous timbers.</p>		

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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