

**Intergrain Enviropo Endure 2 Pack Satin on New Timber [Interior]**

**AUSW3391**

Description
An exceptionally durable, environmentally responsible water-based polyurethane for timber and parquetry floors. It provides excellent scuff resistance making it ideal for a high traffic and commercial environments. It also has the added features of being low odour, quick drying and non-yellowing.

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>

Coating System Summary	
<b>1st Coat:</b>	AUDW1361: Intergrain Enviropo Timberseal
<b>2nd Coat:</b>	AUDW1422: Intergrain Enviropo Endure 2 Pack Satin
<b>3rd Coat:</b>	AUDW1422: Intergrain Enviropo Endure 2 Pack Satin
Please refer to the coating system details below	

Coating System			
<b>Coat Type:</b>	1st Coat	<b>Datasheet:</b>	AUDW1361 Intergrain Enviopro Timberseal
<b>Application Methods:</b>	 Other Instead of brush or roller, product may be applied by bar applicator		
		<b>Min</b>	<b>Max</b>
<b>Theoretical Spread Rate *</b>		10.9	10.9
<b>Wet Film Per Coat (microns)</b>			12
<b>Dry Film Per Coat (microns)</b>		27	85
<b>Recoat Time **</b>		3 hrs	22
<b>Coating Application Details:</b>	MIXING Shake the pack for 1 minute prior to application  Cut in edges with a brush. Apply Timberseal at 10 to 12m <sup>2</sup> /L using an 11mm Selleys Spirit micro-fibre roller. Do not overwork the coating. Finishing strokes should be in the direction of the timber grain. Sand the sealer with a worn 150 mesh screen if needed. When screening, ensure that you move quickly over the floor and avoid creating hot spots. If grain raise occurs you can apply the first top coat and then screen the surface. This will create a smooth finish without having to recut the grain of the timber.		
<b>Coat Type:</b>	2nd Coat	<b>Datasheet:</b>	AUDW1422 Intergrain Enviopro Endure 2 Pack Satin
<b>Application Methods:</b>	 Other Roller, Brush, Bar Applicator		
		<b>Min</b>	<b>Max</b>
<b>Theoretical Spread Rate *</b>		10.9	10.9
<b>Wet Film Per Coat (microns)</b>			10
<b>Dry Film Per Coat (microns)</b>		30	100
<b>Recoat Time **</b>		4 hrs	30
<b>Coating Application Details:</b>	MIXING Mix Endure 2 Pack Part A and Endure 2 Pack Part B at a ratio of 9 to 1 and shake for at least 2 minutes to ensure it is thoroughly combined. Strain product if required before use.  POT LIFE Pot life: 3 hours, Endure 2 Pack must be used within 3 hours of mixing.  APPLICATION It is recommended to shield doorways, fireplaces and windows from dust, dirt or other contaminants settling on the surface between coats, as this will affect the finished appearance. Do not completely seal, as adequate ventilation is required to assist with drying.  Do not apply in temperatures above 35°C or below 10°C. If using in temperatures above 30°C, Enviopro Wet Edge Extender can be added to Endure 2 Pack to a maximum of 5%, to ease application, follow instructions on the Wet Edge Extender label.  NEW TIMBER Apply 1 coat of Enviopro Timberseal™ or Timberseal Ultra following the instructions on the label. Lightly sand Timberseal Ultra with a worn 180 mesh screen if needed. If using Timberseal, DO NOT SAND.  Apply 2 coats of Endure 2 Pack using a 10mm nap microfibre roller. To improve adhesion and minimise grain raise, it is recommended to screen between coats with a worn 150 grit screen or 180 grit screen.  To increase the wear resistance, apply 3 coats of Endure 2 Pack. On porous timbers, apply 3 coats of Endure 2 Pack to ensure a uniform finish.  PREVIOUSLY FINISHED SURFACES including Floating Floors Wash the floor with Enviopro Squeaky Clean™ as per the label instructions. Sand to a dull finish with a 100 grit screen, vacuum thoroughly to remove dust, then wipe clean with a damp rag. To ensure adhesion, a test patch is recommended after the surface has been prepared. Apply a small test area with Endure 2 Pack, allow to dry for 24 hours then firmly press a strip of sticky tape over the coating and rip off quickly. If the coating is removed, sand the full surface back to bare timber. If the coating is not removed, sand the test area back to a dull finish. Apply 1-2 coats of Endure 2 Pack using a 10mm nap microfibre roller.  If patches of the previous coating have worn back to expose bare timber, the full floor must be sanded back to bare timber, and product applied as per 'new timber' directions.  SLIP RESISTANCE		

Intergrain UltraGrip can be added to Endure 2 Pack Matt and Satin to achieve a more slip resistant finish. It is not recommended to add Intergrain UltraGrip to Endure 2 Pack Gloss as it will dull the gloss finish. For more information about system requirements refer to the datasheet on [www.duspec.com.au](http://www.duspec.com.au). Add UltraGrip according to product instructions.

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 Enviropo Timberseal Ultra.
- 1 coat Enviropo Endure 2 Pack Satin, with 5% Intergrain UltraGrip added.
- 1 coat Enviropo Endure 2 Pack Satin.

To achieve a WET Pendulum rating of P5

- 1 coat Enviropo Timberseal Ultra.
- 2 coats Enviropo Endure 2 Pack Satin, with 5% Intergrain UltraGrip added to each coat.

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

- 250g of UltraGrip for 5L 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 Endure 2 Pack, decant the Endure product 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. Then add Endure Part B and mix thoroughly.

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 Enviropo Squeaky Clean, following label instructions.
- Allow the floor to fully dry.
- Lightly sand the existing coating.
- Remove all sanding dust.
- Apply 1 coat of Enviropo Endure 2 Pack Satin with 5% Intergrain UltraGrip added. Follow label instructions.
- Allow to dry.
- Apply 1 coat of Enviropo Endure 2 Pack Satin. Follow label instructions.

**Additional Coating Details:**

Denib with fine sanding at around 180 grit between coats

**Coat Type:**

3rd Coat

**Datasheet:**

AUDW1422 Intergrain Enviropo Endure 2 Pack Satin

**Application Methods:**



Other  
Roller, Brush, Bar Applicator

	Min	Max	Recommended
<b>Theoretical Spread Rate *</b>	10.9	10.9	10
<b>Wet Film Per Coat (microns)</b>			100
<b>Dry Film Per Coat (microns)</b>	30	30	30
<b>Recoat Time **</b>	4 hrs	16 hrs	

**Coating Application Details:**

**MIXING**

Mix Endure 2 Pack Part A and Endure 2 Pack Part B at a ratio of 9 to 1 and shake for at least 2 minutes to ensure it is thoroughly combined. Strain product if required before use.

**POT LIFE**

Pot life: 3 hours, Endure 2 Pack must be used within 3 hours of mixing.

**APPLICATION**

It is recommended to shield doorways, fireplaces and windows from dust, dirt or other contaminants settling on the surface between coats, as this will affect the finished appearance.

Do not completely seal, as adequate ventilation is required to assist with drying.

Do not apply in temperatures above 35°C or below 10°C.

If using in temperatures above 30°C, Enviropo Wet Edge Extender can be added to Endure 2 Pack to a maximum of 5%, to ease application, follow instructions on the Wet Edge Extender label.

**NEW TIMBER**

Apply 1 coat of Enviropo Timberseal™ or Timberseal Ultra following the instructions on the label.

Lightly sand Timberseal Ultra with a worn 180 mesh screen if needed.

If using Timberseal, DO NOT SAND.

Apply 2 coats of Endure 2 Pack using a 10mm nap microfibre roller.  
To improve adhesion and minimise grain raise, it is recommended to screen between coats with a worn 150 grit screen or 180 grit screen.

To increase the wear resistance, apply 3 coats of Endure 2 Pack. On porous timbers, apply 3 coats of Endure 2 Pack to ensure a uniform finish.

PREVIOUSLY FINISHED SURFACES including Floating Floors

Wash the floor with Enviropo Squeaky Clean™ as per the label instructions.

Sand to a dull finish with a 100 grit screen, vacuum thoroughly to remove dust, then wipe clean with a damp rag.

To ensure adhesion, a test patch is recommended after the surface has been prepared.

Apply a small test area with Endure 2 Pack, allow to dry for 24 hours then firmly press a strip of sticky tape over the coating and rip off quickly.

If the coating is removed, sand the full surface back to bare timber.

If the coating is not removed, sand the test area back to a dull finish. Apply 1-2 coats of Endure 2 Pack using a 10mm nap microfibre roller.

If patches of the previous coating have worn back to expose bare timber, the full floor must be sanded back to bare timber, and product applied as per 'new timber' directions.

#### SLIP RESISTANCE

Intergrain UltraGrip can be added to Endure 2 Pack Matt and Satin to achieve a more slip resistant finish.

It is not recommended to add Intergrain UltraGrip to Endure 2 Pack Gloss as it will dull the gloss finish.

For more information about system requirements refer to the datasheet on [www.duspec.com.au](http://www.duspec.com.au). Add UltraGrip according to product instructions.

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 Enviropo Timberseal Ultra.
- 1 coat Enviropo Endure 2 Pack Satin, with 5% Intergrain UltraGrip added.
- 1 coat Enviropo Endure 2 Pack Satin.

To achieve a WET Pendulum rating of P5

- 1 coat Enviropo Timberseal Ultra.
- 2 coats Enviropo Endure 2 Pack Satin, with 5% Intergrain UltraGrip added to each coat.

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

- 250g of UltraGrip for 5L 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 Endure 2 Pack, decant the Endure product 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. Then add Endure Part B and mix thoroughly.

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 Enviropo Squeaky Clean, following label instructions.
- Allow the floor to fully dry.
- Lightly sand the existing coating.
- Remove all sanding dust.
- Apply 1 coat of Enviropo Endure 2 Pack Satin with 5% Intergrain UltraGrip added. Follow label instructions.
- Allow to dry.
- Apply 1 coat of Enviropo Endure 2 Pack Satin. Follow label instructions.

#### 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.
- Do not apply paint if the temperature is below 10°C or likely to fall below 10°C during the drying period.
- This is an abridged specification and must be read in conjunction with the FULL Dulux specification and product data sheet(s).

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