

AUIN00669 Intergrain Endure 2 Pack Matt, Satin and Gloss

Introduction

Line Shade

Matt Part A 701W0591

Satin Part A 701W0619

Gloss Part A 701W0607

Line Shade

Part B 701W0592

Description and Image

Intergrain Endure 2 Pack is a clear water based two pack polyurethane for interior timber flooring, stairs, parquetry and cork. It can also be used on prefinished flooring. Available in Matt, Satin and Gloss.

Green building compliant

The Green Building Council of Australia (GBCA) target for VOC level of high performance floor coatings is <140 g/L.

Endure 2 Pack can be used on Green Star Buildings as it emits less VOCs than the target set by the GBCA.

Slip resistance

A slip resistant finish can be achieved by adding Intergrain UltraGrip at a level of 5% to Intergrain Endure 2 Pack. When tested according to AS4586:2013, the following slip ratings are achieved:

- Endure 2 Pack with UltraGrip in 1 coat = P4
- Endure 2 Pack with UltraGrip in 2 coats = P5

See application guide section for system details.



Features and Benefits

- Water based two pack polyurethane
- Ideal for commercial and heavy duty areas
- Superior wear resistance
- Trafficable after 12 hours
- Formulated and tested for Australian conditions

Uses

Interior timber flooring, stairs, parquetry and cork.
Can also be used on prefinished flooring.

Precautions and Limitations

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

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

Performance Guide			
Weather Interior only			
Water Good for splashes and spillage		Abrasion Excellent	
Typical Properties			
Gloss Level Matt <20%, Satin 30-40%, Gloss >80%		Heat Thinner Intergrain Wet Edge Extender	
Colour Clear			
Components 2		Number of Coats 2 minimum	
V.O.C. Level <135g/L Part A + Part B			
Meets GBCA 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.			
Mixing Ratio 9 parts Part A to 1 part Part B			
Pot Life 3 hours		Touch Dry 1 hour	
Clean Up  Water			
Clean Up Description Clean equipment and tools with water			
Application Methods  Brush  Roller			
Application Conditions			
	Min	Max	Recommended
Wet Film Per Coat (microns)			100
Dry Film Per Coat (microns)			30
Recoat Time (min/hours)	4 hours		
Theoretical Spread Rate (m²/L)			10
Typical Property Notes Solids Matt = 31% Satin = 30% Gloss = 29%			

Coverage

8 – 10m²/L depending on the porosity of the timber.

Dry times

Dry times are based on drying conditions of 25°C and 50% relative humidity. Drying times will be longer in conditions cooler than 25°C or more humid than 50% humidity.

Touch Dry: 1 hour.

Re-coat: Allow a minimum of 4 hours drying between coats.

Floors will take light foot traffic after 12 hours, and normal foot traffic after 3 days.

Full cure: Allow 7 days.

Replace furniture after 7 days.

Application Guide

Surface Preparation

All surfaces must be clean, dry, free of wax, grease, dust and other contaminants. The presence of contaminants increases the possibility of rejection and delamination.

Clean oily timbers such as Brushbox, Spotted Gum, Cypress and Tallowwood with methylated spirits and allow to dry.

Prepare cork in accordance with cork manufacturer's instructions.

All nail holes and cracks should be filled with water based putty. Do not use linseed oil putty.

Ensure floor is even; sand to a flat even surface if required. Final sand should be with 150 mesh screenback, and vacuum thoroughly with a commercial grade vacuum cleaner to remove all sanding dust.

Application Procedure and Equipment

Mixing

Mix Intergrain Endure 2 Pack Part A and Intergrain 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 before use.

Pot Life

3 hours, Intergrain 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, Intergrain Wet Edge Extender can be added to Intergrain Endure 2 Pack to a maximum of 5%, to ease application, follow instructions on the Intergrain Wet Edge Extender label.

New timber

Apply 1 coat of Intergrain Timberseal™ Water Based, Intergrain Timberseal Alcohol Based or Intergrain Timberseal Ultra following the instructions on the label. Lightly sand Intergrain Timberseal Ultra with a worn 180 mesh screen if needed. If using Intergrain Timberseal Water Based or Intergrain Timberseal Alcohol Based, DO NOT SAND.

Apply 2 coats of Intergrain Endure® 2 Pack. Cut in edges using a brush, then apply to the rest of surface using a 10 mm nap microfibre roller.

Finishing strokes should be in the direction of the grain. 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 Intergrain Endure 2 Pack. On porous timbers, apply 3 coats of Intergrain Endure 2 Pack to ensure a uniform finish.

Previously finished surfaces including Floating Floors

Wash the floor with Intergrain Floor Cleaner 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 Intergrain 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 Intergrain Endure 2 Pack using a 10 mm nap microfibre roller. To improve adhesion, it is recommended to screen between coats with a worn 150 grit screen or 180 grit screen.

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

To achieve a wet slip resistance rating of P4

- 1 coat Intergrain Timberseal.

- 1 coat Intergrain Endure 2 Pack, with 5% Intergrain UltraGrip added.
- 1 coat Intergrain Endure 2 Pack.

To achieve a wet slip resistance rating of P5

- 1 coat Intergrain Timberseal.
- 2 coats Intergrain Endure 2 Pack, 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.

Health and Safety

SDS Number DLXGHSEN005090 Endure 2 Pack Part A	SDS Link
SDS Number DLXGHSEN005091 Endure 2 Pack Part B	SDS Link
Using Safety Precautions Refer to SDS	
Please refer to SDS Link. In case of emergency, please call 1800 220 770.	

Transport and Storage

Pack A Intergrain Endure 2 Pack	
Size:	Weight:
Part A 4.5L Part B 500ml	4.72kg 0.56kg
Please refer to the Safety Data Sheet for full safety, health and transportation information.	

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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 4361 Parts 1 and 2 and Worksafe Australia guidelines.