

# StyleLite Product Range

Product	Warranty Term
StyleLite Panels / StyleLite Sheet	10 years - domestic usage
	5 years - caravan/RV usage
	3 years - commercial usage

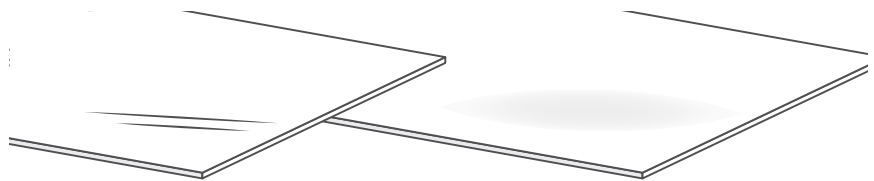
StyleLite decorative panels are designed as appearance products and are intended for use as drawer faces, cabinet doors, ends and general joinery cladding. The products are not intended for use as structural or built-in elements. If the products are used in structural or built-in applications, EGR's warranty liability is limited to replacement material only.

## Introduction

All StyleLite panels feature StyleLite Sheet laminated front and back to a quality substrate. Our Product Range is divided into various applications, based on the best use of each substrate.

StyleLite is available in two finish options – **TruGloss** or **TruMatte**.

## Finish Options

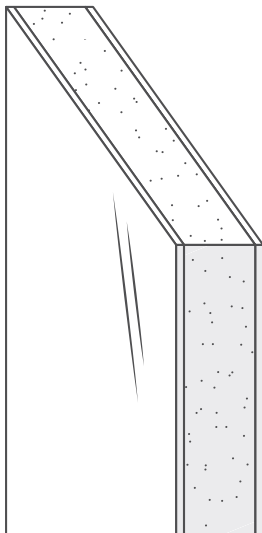


**TruGloss**

Smooth, ultra High Gloss finish that provides a mirror-like appearance. Highly reflective.

**TruMatte**

Smooth, untextured matte finish, that provides increased scratch resistance over High Gloss surfaces and very low finger printing.



## StyleLite Standard Panels

Regular StyleLite panels, suitable for a range of general purpose applications. Uses premium quality moisture-resistant MDF, rated to formaldehyde emissions standard E0 and TSCA TITLE VI. Perfect for kitchen and vanity doors and panels, furniture, hinged wardrobe doors, and general cabinetry.

Substrate	Finished Panel Size (nom)	Region	Weight	Finish
MR MDF E0	2440 × 1220 × 18mm	Global	13.5kg/m <sup>2</sup>	TruGloss and TruMatte
MR MDF E0	3070 × 1230 × 18mm	Global	13.5kg/m <sup>2</sup>	TruGloss and TruMatte
MR MDF TITLE VI	97" × 48.5" × ¾"	North America	2.76lb/ft <sup>2</sup>	TruGloss and TruMatte
MR MDF TITLE VI	122" × 48.5" × ¾"	North America	2.76lb/ft <sup>2</sup>	TruGloss and TruMatte

Other Substrates available on request. Optional White Textured Backing Sheet also available on all products.

# Edge Finishing

**Color matched Edge Band rolls are available for StyleLite TruGloss and TruMatte Panel products.**

EGR has partnered with a variety of global edge finishing specialists to create an extensive range. All StyleLite compatible Edge Band is of premium quality and offer high resistance to heat, abrasion, impact and color fade.

## Standard Edge Band


Color-matched Standard Edge Band is pre-primed ready for installation using EVA hot melt or PUR edge banding machinery.

Type	Dimensions
Standard Edge Band for TruGloss or TruMatte Panels	23mm × 1mm (100m roll)

## Fusion Heat Activated Edge Band

Fusion Edge Band allows a seamless color matched functional layer to bond to the board using hot air or laser equipped machinery. Fusion Edge Band is available in selected colors only.

Type	Dimensions
Fusion Edge Band for TruGloss or TruMatte Panels	23mm × 1.2mm (100m roll)

	<b>Warning</b> Do not use PVC edge banding, solvent based adhesives or aggressive solvent based cleaners including "ABS Cleaner" at any time.
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### Edge Band Technical Notes

Best results will be achieved using the following practices:

- CNC machining the panel edge or using an edge bander with pre-milling function.
- Leave protective film on panel in place at all times.
- Set trimming and scrapers to flush with surface of the StyleLite face, do not leave a lip.
- If there is glue overrun on the face, it can be removed using a microfibre cloth dampened with mineral turpentine (mineral spirits), use sparingly and avoid excessive rubbing.
- If manual scraping or finishing is required, take care to avoid gouging the face of the panel.

### EVA Hot Melt Adhesive

- Use white adhesive on white panels and transparent on dark panels.

### PUR Polyurethane Adhesive

- Suitable for all colors and will deliver a highly moisture resistant panel.

# Hinge Recommendations

**When using StyleLite panels for door installations, ensure the appropriate amount of hinges are used to deliver a professional result.**

Door Height	Number of Hinges
Up to 800mm [Up to 31"]	2 hinges
800 to 1300mm [31" to 51"]	3 hinges
1300 to 1800mm [51" to 70"]	4 hinges
1800 to 2100mm [51" to 82"]	5 hinges
2100 to 2440mm [82" to 97"]	6 hinges

- ▶ Always test hinge boring tools to ensure a clean cut is achieved.
- ▶ Best results will be achieved by drilling or boring through a thin MDF sacrificial block.
- ▶ Only bore the required depth amount of your hinge hardware.

# StyleLite® Product Specifications

StyleLite laminated board complies with AS/NZS 4386.1 Domestic Kitchen Assemblies for Appearance, Flatness, Wood Substrate and the Adhesive Bonding System.

## StyleLite Sheet Properties

Properties	Specification – TruGloss Sheet	Specification – TruMatte Sheet	Test Method
Specific Gravity	1:09	1:09	ASTM D792
Water Absorption	<0.5%	<0.5%	ASTM D570
Surface Hardness	3H - 4H	6 - 7H	Pencil Hardness
Heat Distortion Temperature	85°C [185°F]	85° C [185° F]	ASTM D648
Service Temperature	77°C [170.8°F]	77° C [170.8° F]	Continuous
Burning Resistance	94HB	94HB	UL 94
Gloss Level	90GU	<5GU	Viewed at 60°
Thickness	1.0mm ± 0.1mm	0.8mm ± 0.1mm	
Mass	1.08kg/m <sup>2</sup> [0.22 lbs/f2]	0.86kg/m <sup>2</sup> [0.1816 lbs/f2]	n/a
Surface Energy Rear	50	50	Dyne
Bond Strength	100N (25 Nm)	100N (25 Nm)	AS/ NZS 4266.28
Surface Soundness	1.25 MPa (0.9 MPa min)	1.25 MPa (0.9 MPa min)	AS/NZS 4266.7
Stain Resistance	No effect	No effect	AS/NZS 4266.25
Steam Resistance	No change after 30 minutes	No change after 30 minutes	AS/NZS 4266.23
Cracking Resistance	No effect	No effect	AS/NZS4266.24
Dry Heat Resistance	No loss of gloss or color change	No loss of gloss or color change	AS/NZS 4266.26
Colour	dE<1.0 for Solid Colours dE<1.5 for Metallic Colours		
Erichsen Hardness**	≥0.5N	≥0.7N	ISO 4586-2 (DIN EN 438-2)

## Textured Backing Sheet Properties

Properties	Specification – Textured Backing Sheet	Test method
Specific Gravity	1.09	ASTM D-792
Water Absorption	<0.5	ASTM D-570
Colour**	dE<1.5 for Solid Colours	AS / NZS 1580.600
Erichsen Hardness**	≥0.2N	ISO 4586-2 (DIN EN 438-2)
HDT 264 PSI, 1.82MPa	96°C (203°F)	ASTM D-648
Service temperature	77°C (170°F)	
Thickness	0.8mm ± 0.1mm	
Surface Energy Rear	50	Dyne
Bond Strength	100N (25 Nm)	AS/ NZS 4266.28

\*\* Internally tested by EGR

# StyleLite® Product Specifications

StyleLite laminated board complies with AS/NZS 4386.1 Domestic Kitchen Assemblies for Appearance, Flatness, Wood Substrate and the Adhesive Bonding System.

## StyleLite Panel Properties

Properties	Specification	Test Method
Panel Length	-2 +10mm	Steel tape
Panel Width	-2 +5m	Steel tape
Panel Diagonal	< 3mm	Steel tape
Panel Thickness	+/- 0.5mm	Micrometer
Panel Mass	+/- 5.0%	Calibrated scale
Panel Edges	Face material +/- 2mm from the finished edge of the MDF core. Face and core edges must be parallel to +/- 1mm over the length of the edge.	Steel rule
Useable Surface	The useable surface of the panel will meet or exceed the program size offered.	Steel rule
Face Bonding	>90% fibre split	Cleavage peel
Flatness	< 2.5mm/1000mm in any direction	Steel tape
Solid Colors	Delta E 1.0 reflected	TS - 075
Metallic Colors	Delta E 1.5 reflected	TS - 075
Woodgrains	Visual match to master	Controlled master
Surface quality for panel face area up to 3.5m <sup>2</sup> <small>Specks, dimples or raised sections will not be grouped closer than 100mm</small>	6 Specks <0.5mm; 6 dimples or raised section <3mm; No obvious die or flow lines; No scratches or repeat marks; No pin holes >0.2mm	Visual assessment in moderate interior lighting Board viewed in a vertical condition from a distance of 1000mm.
Surface quality for board back surface	No obvious die or flow lines; No scratches; No repeat marks	As above
Masking	No wrinkles or lifting at the edges, sound adhesion across the face area	Visual
Packaging	Suitable cover board top and bottom with four bearers and heavy duty PE straps. Cell air between each sheet, corner protection fitted and pack fully PE wrapped.	Work instruction
Batch Traceability	Face side masking printed with date of lamination	Process control plan

Metallic and woodgrains can vary in color from batch to batch and individual end use projects should be manufactured from the same batch.

### Overview

TruNatur is a premium polymer veneer-faced panel that incorporates nanosized technology and antibacterial properties, offering a high-performance alternative to timber veneer. The TruNatur collection features a range of woodgrain patterns and embossed surfaces, delivering a natural look and feel. These faced products are highly resistant to scratching, staining, chemicals, and UV light, ensuring lasting durability, aesthetic appeal, and functionality for your projects.

### Applications

TruNatur is designed for indoor use, suitable for vertical and light-duty horizontal applications.

### Decorative Surface

TruNatur complies with the appearance requirements specified in AS/NZS 1859.3.

### Surface Specifications



#### Scratch Resistance

The surface technology includes nanosized agents, resulting in an exceptionally durable finish that resists wear. Steel wool testing reveals no signs of damage even after subjecting the surface to multiple cycles, highlighting the panels' ability to maintain their pristine appearance over time, even with heavy use.



#### Stain Resistance

The surface technology enhances their "easy-clean" features, ensuring they resist common household stains like coffee, tea, and vinegar. Tests indicate no significant visual or physical effects even after extended exposure to these stains, guaranteeing that the panels are easy to maintain and retain a fresh appearance for longer periods.



#### Chemical Resistance

The surface technology provides robust protection against chemicals, solvents, and cleaning agents. Tests show no significant changes even with repeated exposure, demonstrating the panels' resistance to chemical damage and ensuring their long-lasting durability in various environments.



#### Weatherability

The surface technology offers protection against deterioration from exposure to UV light. Weathering tests conducted according to ISO 4892-3 Method B Cycle 5 reveal no significant changes to the surface after 3000 hours of exposure, demonstrating the panels' durability and ability to maintain their appearance over time.



#### Antibacterial

The surface technology inhibits the growth of bacteria, including *S. aureus* and *E. coli*. Antibacterial tests conducted following ISO 22196 and JIS Z 2801 standards show a reduction of over 99% in bacterial growth after 24 hours of inoculation, emphasising the panels' hygienic properties.

## Technical Data Sheet

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### TruNatur MR EO MDF panels

#### Applications

They are an excellent choice for both residential and commercial projects, including kitchen, vanities, shelving, displays, panels, wall and ceiling lining, and various other applications within the cabinetry and joinery industry.

#### Board Specifications

Property	Description			
Category	Premium polymer veneer panels			
Thickness	16 mm	18mm	25mm	32mm
Weight	12 kg/m <sup>2</sup>	13 kg/m <sup>2</sup>	17.5 kg/m <sup>2</sup>	22.5 kg/m <sup>2</sup>
Core	MR EO MDF			
Construction	PUR laminated face and back			
Protective film	Transparent, high tack and residual free			
Environmental Health	GreenTag PHD™ PlatinumHEALTH™			
Sustainability	FSC certified sourced MDF			
Fire Resistance	Compliant with NCC/BCA Group Number 3			

#### Core Specifications

Property	Unit	Property			
Thickness	mm	16	18	25	32
Density	Kg/m <sup>3</sup>	720	720	700	700
Internal Bond	MPa	0.70	0.70	0.70	0.70
MOR	MPa	30.0	30.0	30.0	30.0
MOE	MPa	3500	3500	3500	3500
Screw holding - face	N	≥ 700	≥ 700	≥ 700	≥ 700
Screw holding - edge	N	≥ 1100	≥ 1100	≥ 1100	≥ 1100
Thickness Swell 24hrs	%	<7	<7	<4	<4
Formaldehyde level	mg/L	E0 ≤ 0.5	E0 ≤ 0.5	E0 ≤ 0.5	E0 ≤ 0.5

#### Moisture Resistance

StyleLite TruNatur MR EO MDF panels comply with the moisture resistance properties specified in AS/NZS 1859.2.

#### Fire Performance

StyleLite TruNatur MR EO MDF panels have been tested to AS5637 and achieved a Group 3 rating. For projects demanding superior fire ratings, StyleLite TruNatur panels with fire-rated properties are offered upon request.

#### Certification

TruNatur has achieved the GreenTag PHD™ PlatinumHEALTH™ rating, a designation recognised by WELL™ and LEED® as world-leading for the healthiness of products used by end-users. Made in Australia in an ISO9001 approved facility, these environmentally friendly panels meet strict quality standards.



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### Storage and Handling

TruNatur laminate should be handled with care by two persons to avoid breakage and damage, lifting instead of sliding. Store in well-ventilated, clean, dry areas away from direct sunlight, using cover boards and placing on four equally spaced bearers on a level, hard, dry surface. Stack multiple pallets with aligned bearers.

### Panel Fabrication

TruNatur can be easily cut, drilled, and routed using standard woodworking tools. Always inspect for visible defects or damage prior to fabrication. Keep the protective film on during fabrication and installation to prevent damage. Always conduct trials to determine optimal operations and settings. Ensure adequate ventilation and extraction for the processing machines. Only use the recommended hinge quantities. Refer to the TruNatur Fabrication and Installation Guide available on our website for further details.

Door Height	Component Weight	Number of hinges
Up to 800 mm	≤ 7 Kg	2 hinges
800 to 1300 mm	≤ 11 Kg	3 hinges
1300 to 1800 mm	≤ 16 Kg	4 hinges

### Edge Finishing

The ABS edge bands are designed for easy application, coming pre-primed and colour-matched for a seamless look. They are compatible with both EVA and PUR glue and are available in widths of 23 mm, 29 mm, and 54 mm to accommodate diverse design requirements, with a standard thickness of 1.0 mm.

### Care and Maintenance

To clean the surface, gently wipe it with a clean microfiber cloth dampened with warm, soapy water. Avoid using abrasive cleaners or rough materials, as they can scratch or otherwise damage the surface. Always protect the panel from excessive moisture, heat sources, or direct sunlight to maintain its appearance and longevity. Refer to the TruNatur Cleaning Guide available on our website for further details.

### Warranty

TruNatur is backed by a 7-year limited indoor warranty. Refer to the TruNatur Warranty available on our website for full term and conditions.

## Technical Data Sheet

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### TruNatur Laminate sheets

#### Applications

They are designed for curved applications, seamlessly complementing face panels in both residential and commercial projects. Ideal for enhancing reception areas, vanities, shelving, displays, and architectural features on walls and ceilings.

#### Board Specifications

Property	Description
Category	Premium polymer veneer panels
Thickness	0.8 mm
Weight	1 kg/m <sup>2</sup>
Core	High Pressure Laminate (HPL)
Construction	PUR laminated face
Protective film	Transparent, high tack and residual free

#### Core Specifications

Property	Unit	Property
Density	gm/cm <sup>3</sup>	1.35
Formaldehyde level	mg/L	E0 ≤ 0.5

#### Laminate Fabrication

- Cold bending is the sole suitable fabrication method for TruNatur laminate sheets.
- TruNatur laminate sheets can be cold bent to a radius of 200 mm (8").
- Bendy plywood and craftform MDF panels are the recommended laminate substrates.
- TruNatur laminate sheet are never be used for postforming fabrication.



## Technical Data Sheet

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### TruNatur Weatherproof Composite Core (WCC) panels

#### Applications

They are suitable for non-structural applications in high-humidity interiors or areas prone to frequent wetting, like kitchens, vanities, bathrooms, and laundries.

#### Board Specifications

Property	Description
Category	Premium polymer veneer panels
Thickness	16 mm
Weight	10.5 kg/m <sup>2</sup>
Core	Weatherproof Composite Core (WCC)
Construction	PUR laminated face and back
Protective film	Transparent, high tack and residual free

#### Core Specifications

Property	Unit	Property
Thickness	mm	16
Density	Kg/m <sup>3</sup>	650
MOR	MPa	≥ 30.0
MOE	MPa	≥ 800
Screw holding - face	N	≥ 700
Screw holding - edge	N	≥ 700
Thickness Swell 24hrs	%	<1

#### Panel Fabrication

- Single-piece doors larger than 600mm (24") in width and 1200mm (47") in height are not recommended.
- Utilise split door construction or other appropriate methods for large doors.
- Only use the recommended hinge quantities.

Door Height	Component Weight	Number of hinges
Up to 800 mm	≤ 7 Kg	3 hinges
800 to 1200 mm	≤ 11 Kg	4 hinges

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### TruNatur Lightweight (LW) Plywood panels

#### Applications

They are a great option for internal fitouts in caravans and RVs, as well as other non-structural interior applications where weight-saving benefits are preferred.

#### Board Specifications

Property	Description
Category	Premium polymer veneer panels
Thickness	15 mm
Weight	6.5 kg/m <sup>2</sup>
Core	MR E1 Lightweight (LW) Plywood
Construction	PUR laminated face and back
Protective film	Transparent, high tack and residual free

#### Core Specifications

Property	Unit	Property
Thickness	mm	15
Density	Kg/m <sup>3</sup>	420
Screw holding - face	N	≥ 700
Screw holding - edge	N	≥ 550
Thickness Swell 24hrs	%	<9
Formaldehyde level	mg/L	E1 ≤ 1.0

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### TruNatur BLOCKBOARD panels

#### Applications

They are highly favoured by architects and designers for residential and commercial projects, sought after for vertical and horizontal beams, internal doors, floating shelves, timber screens, and various non-structural interior applications.

#### Board Specifications

Property	Description	
Category	Premium polymer veneer panels	
Thickness	38 mm	50 mm
Weight	17 kg/m <sup>2</sup>	20 kg/m <sup>2</sup>
Core	Solid single-core falcata strips, securely bonded together and covered with a layer of STD E0 MDF skins on both sides	
Construction	PUR laminated face and back	
Protective film	Transparent, high tack and residual free	

#### Core Specifications

Property	Unit	Property	
Thickness	mm	38	50
Density	Kg/m <sup>3</sup>	450	400
Screw holding - face	N	≥ 700	≥ 700
Screw holding - edge	N	≥ 550	≥ 550
Formaldehyde level	mg/L	E0 ≤ 1.0	E0 ≤ 1.0

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### TruNatur BLACK Fire Rated (FR) Group 1 MDF panels

#### Applications

They are an excellent option for residential and commercial projects, particularly for wall and ceiling lining, designing routed panels, and other non-structural interior applications that necessitate a Group 1 fire-rated product.

#### Board Specifications

Property	Description
Category	Premium polymer veneer panels
Thickness	18 mm
Weight	13.5 kg/m <sup>2</sup>
Core	Black FR MR EO MDF
Construction	PUR laminated face and back
Protective film	Transparent, high tack and residual free
Sustainability	FSC certified sourced MDF
Fire Resistance	Compliant with NCC/BCA Group Number 1

#### Core Specifications

Property	Unit	Property
Thickness	mm	18
Density	Kg/m <sup>3</sup>	740
Internal Bond	MPa	≥ 0.75
MOR	MPa	≥ 30
MOE	MPa	≥ 2700
Screw holding - face	N	≥ 700
Screw holding - edge	N	≥ 1100
Thickness Swell 24hrs	%	<8
Formaldehyde level	mg/L	EO ≤ 0.5

#### Fire Performance



The StyleLite TruNatur Black FR MR EO MDF panel is manufactured with a certified fire-rated Group 1 core substrate.

## Technical Data Sheet

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### TruNatur GREY Fire Rated (FR) Group 2 MDF panels

#### Applications

They are a great choice for residential and commercial projects, especially for wall and ceiling lining, designing routed panels, and other non-structural interior applications that require a Group 2 fire-rated product.

#### Board Specifications

Property	Description
Category	Premium polymer veneer panels
Thickness	12 mm
Weight	9.5 kg/m <sup>2</sup>
Core	Grey FR MR E1 MDF
Construction	PUR laminated face and back
Protective film	Transparent, high tack and residual free
Sustainability	FSC certified sourced MDF
Fire Resistance	Compliant with NCC/BCA Group Number 2

#### Core Specifications

Property	Unit	Property
Thickness	mm	12
Density	Kg/m <sup>3</sup>	770
Internal Bond	MPa	0.6
MOR	MPa	28
MOE	MPa	2800
Thickness Swell 24hrs	%	<11
Formaldehyde level	mg/L	E1 ≤ 1.0

#### Fire Performance



The StyleLite TruNatur Grey FR MR E1 MDF panel is manufactured with a certified fire-rated Group 2 core substrate.