



Thank you for your interest in the StyleLex[®] product range.

This document provides a comprehensive set of technical specifications for StyleLex, as well as answering common questions about machining, fabrication, installation and care.

For further enquiries visit **www.stylelex.net** or contact your nearest StyleLex distributor.

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Product Information

Introduction

StyleLex Panels are designed for use in exterior covered areas and feature an extensive range of finishes over optimized plywood cores for unrivaled performance and durability.

StyleLex Face

EGR StyleLex Face board is manufactured using high quality High Pressure Laminates formulated for use in exterior covered area applications. The surfaces are bonded to premium quality multilayer exterior grade Birch plywood using advanced PUR hotmelt lamination technology.

Substrate	Finished Panel Size	Region	Weight	Finish
Exterior Birch Plywood	2400 × 1200 × 18mm	Global	12.0 kg/m ²	

StyleLex Carcass Boards

EGR StyleLex Carcass board is manufactured using high quality textured white ABS sheet bonded to stable and strong Falcatta / Hardwood composite plywood using PUR hotmelt lamination technology.

Substrate	Finished Panel Size	Region	Weight	Finish
Composite Plywood	2400 × 1200 × 17mm	Global	8.0 kg/m ²	Textured White Sheet

Things to Consider

- **Assembly:** Adequate fixing should be provided at no greater than 300mm [12"] centres.
- **Shelf Loading:** The maximum unsupported shelf span of StyleLex Boards is 750mm.
- **Edging:** All StyleLex Boards should be edged around every perimeter.
- **Clearance:** For maximum durability we recommend StyleLex carcass structure be supported on legs and not in direct contact with the floor where water or debris could accumulate.
- **Ovens:** We recommend an air gap of 6mm [¼"] adjacent to ovens and other heat sources.
- **Gas Appliances:** When installing EGR StyleLex in the vicinity of gas burners or gas barbecues, ensure that a minimum clearance of 200mm is maintained between the gas appliance and the StyleLex boards in accordance with AS/NZS 5601:2010 Gas Installation Code. For clearance requirements around a gas or electrical cooking appliance and a combustible surface, always adhere to the appliance manufacturer's installation requirements as certified under AS 4557.

Location

EGR StyleLex boards cannot be used for structural applications, including exterior wall cladding, building facades, balustrades, railings or swimming pool surrounds.

EGR StyleLex boards must not be used at a location where surfaces may come in contact with corrosive substances eg. Chlorine, Acid or Pesticides.

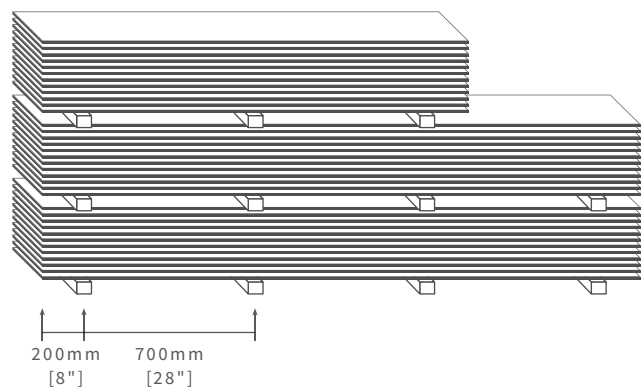
EGR StyleLex boards must avoid exposure to direct sunlight, with no more than 4 hours of direct sunlight exposure within a 24 hour period. A solid, opaque ceiling should provide full coverage of all product surfaces with an additional 1.5 metre overhang surrounding all edges.

Storage and Handling

StyleLex finished panels can be stored horizontally or vertically but should be well supported at all times.

- Do not store panels outside.
- Do not store or transport panels in direct sunlight.
- Avoid sliding the panels on the outer face surface.
- It is recommended that the panels are stored horizontally and supported at no more than 700mm [28"] from centres and 200mm [8"] from the ends to prevent the risk of warpage. All bearers should be of equal thickness and quality.
- Panels should be stored in well-ventilated and dry conditions.
- Cover boards should be placed on the top and bottom of stacked panels to provide protection and reduce the effects of environmental changes.

CORRECT STORAGE METHOD



Machining Guide

Routing

Router cutting is the preferred method for cutting EGR StyleLex boards.

- Router cut using a feed rate of 10 to 15 metres per minute with a spindle speed of 20,000rpm.
- Solid carbide router cutters will deliver the best finish.
- Twin flute compression cutters are ideal as they minimise the chance of chipping at the edge and eliminate any feathering of the masking material on either side of the sheet.

Saw Cutting

- Use very sharp carbide tipped blades with 3 to 5 teeth per centimetre.
- We recommend using a 300mm diameter blade at a speed of 3200rpm for best results. Results may vary depending on your equipment.

Band saw

Band saws can be used to cut curves however a secondary finishing operation will be required.

Drilling

- Drilling can be done using high speed steel or carbide tipped drills.
- Use slow to medium speeds to avoid overheating the material.

Hinge Recommendations

When using EGR StyleLex for door installations, ensure the appropriate amount of hinges are used to deliver a professional result. Hinges suitable for covered exterior conditions recommended.

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.

Edge Finishing

Colour matched Edge Band rolls are available for StyleLex face panels.

All StyleLex compatible Edge Band is of premium quality and offer high resistance to heat, abrasion, impact and colour fade.

23 x 1mm in 100m rolls, preprimed for EVA and PUR bonding.

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.
- Set trimming and scrapers to flush with top surface of the face, do not leave a lip if possible.
- If there is glue overrun on the face, it can be removed using a microfibre cloth dampened with mineral turpentine, use sparingly and avoid excessive rubbing.
- If manual scraping or finishing is required, take care to avoid gouging the face of the panel.

PUR Polyurethane Adhesive - preferred for exterior applications

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

EVA Hot Melt Adhesive

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

Care and Maintenance

For general cleaning use warm soapy water and a clean microfibre cloth. Liquid dish-washing detergent diluted is an ideal cleaner.

Do Use

- ✓ Clean wet microfibre cloth
- ✓ Clean wet chamois
- ✓ Non abrasive soap and detergent
- ✓ Warm water

Don't Use

- ✗ Paper towels
- ✗ Dry wipe at any time
- ✗ Brushes, scourers or scrapers
- ✗ Abrasive cleaners
- ✗ Thinners or Methylated Spirits
- ✗ High pressure water
- ✗ Solvent based chemicals

StyleLex Carcass

Description

The StyleLex Carcass board complies with the relevant sections of AS / NZS 4386.1 and is backed by a 7 year indoor / outdoor covered area warranty.

Properties	Specification	Test Method
Board Length	2400 mm	Steel Tape
Board width	1200 mm	Steel Tape
Board Thickness	17 mm	Steel Tape
Board mass density	400 kg/m ³	Calibrated Scale
Board weight	8 kg/m ²	Calibrated Scale
Colour	Delta E1.5 reflected	Spectrophotometer
Surface Hardness	0.2N	Erichsen Test
Glue	Moisture Resistant	
Environmental	E1 Rating	AS / NZS
Layers	2 x ABS, 7 x Facutta, 2 x Hardwood	
Continuous service temperature	170°F (77°C)	

StyleLex - Face

Description

The StyleLex Face board complies with the relevant sections of AS / NZS 4386.1 and is backed by a 7 year indoor / outdoor covered area warranty.

Properties	Specification	Test Method
Board Length	2400 mm	Steel Tape
Board width	1200 mm	Steel Tape
Board Thickness	18 mm	Steel Tape
Board mass density	700 kg/m ³	Calibrated Scale
Board weight	12 kg/m ²	Calibrated Scale
Solid Colours	Delta E1.5 reflected	Spectrophotometer
Woodgrain or patterns	Visual match to master	Light Box
Glue	A bond waterproof	
Environmental	E1 Rating	
Layers	2 x HPL, 13 x Birch	

Properties	Specification	Test Method
Resistance to surface wear	350 Rev (min)	EN 438-2 - 10
Resistance to impact with small diameter ball	20N (min)	EN 438-2 - 20
Resistance to scratching	3 Rating (min)	EN 438-2 - 25
Resistance to wet heat at 100°C	4 Rating (min)	EN 438-2 - 18
Resistance to dry heat at 160°C	4 Rating (min)	EN 438-2 - 16
Resistance to stain	4 Rating (min)	EN 438-2 - 26
Resistance to steam	4 Rating (min)	EN 438-2 - 14

StyleLex[®]


EGR DECOR

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