



StyleLex®

Fabrication & Installation Guide

Australia & New Zealand

Designed to specify.

Thank you for your interest in the *StyleLex product range.*

This document provides technical guidance for the specification, machining, fabrication, installation, and maintenance of StyleLex panel systems. It is intended to support fabricators, installers, and specifiers in achieving optimal performance.

TECHNICAL SUPPORT

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StyleLex Face Panels

StyleLex Face Panels are premium decorative panels designed for interior wet areas and covered outdoor (alfresco) applications. They feature a Weatherproof Composite Core (WCC) bonded to a UV-stable High Pressure Laminate (HPL) surface using advanced PUR reactive hot-melt technology. Easy to fabricate using standard woodworking tools, StyleLex panels provide a high-quality cabinetry panel solution with excellent resistance to moisture, UV exposure, stains, and everyday wear. Combining durability, low maintenance, and ease of use, they are ideal for demanding residential and commercial environments.

Key Features



Weatherproof



UV resistance



Easy to fabricate



Easy to clean



Stain resistance



Vertical applications

Specifications

CORE	PANEL SIZE	APPLICATION	WEIGHT	FINISH
Weatherproof Composite Core (WCC)	2400 × 1200 × 18	Cabinet doors, drawer fronts and decorative face panels	13 kg/m ²	Matte and textured woodgrain HPL

EGR Waterproof Carcass Panel Range

The StyleLex carcass range offers a choice of waterproof solutions to suit different performance and budgets.

StyleLex Waterproof Core (WPC) Carcass Panels

A practical, fully water-resistant panel featuring a multilayer construction for internal carcass applications in wet environments.

CORE	PANEL SIZE	APPLICATION	WEIGHT	FINISH
Waterproof Core (WPC)	2440 × 1220 × 16	Internal carcasses, vertical panels and low-load shelving in wet areas	11 kg/m ²	White textured extruded vinyl skins

StyleLex Laminate Carcass Panels

A premium solution featuring durable HPL surfaces for demanding environments.

CORE	PANEL SIZE	APPLICATION	WEIGHT	FINISH
Weatherproof Composite Core (WCC)	2440 × 1220 × 16	Indoor and covered outdoor cabinetry and high-capacity shelving	11 kg/m ²	White textured HPL

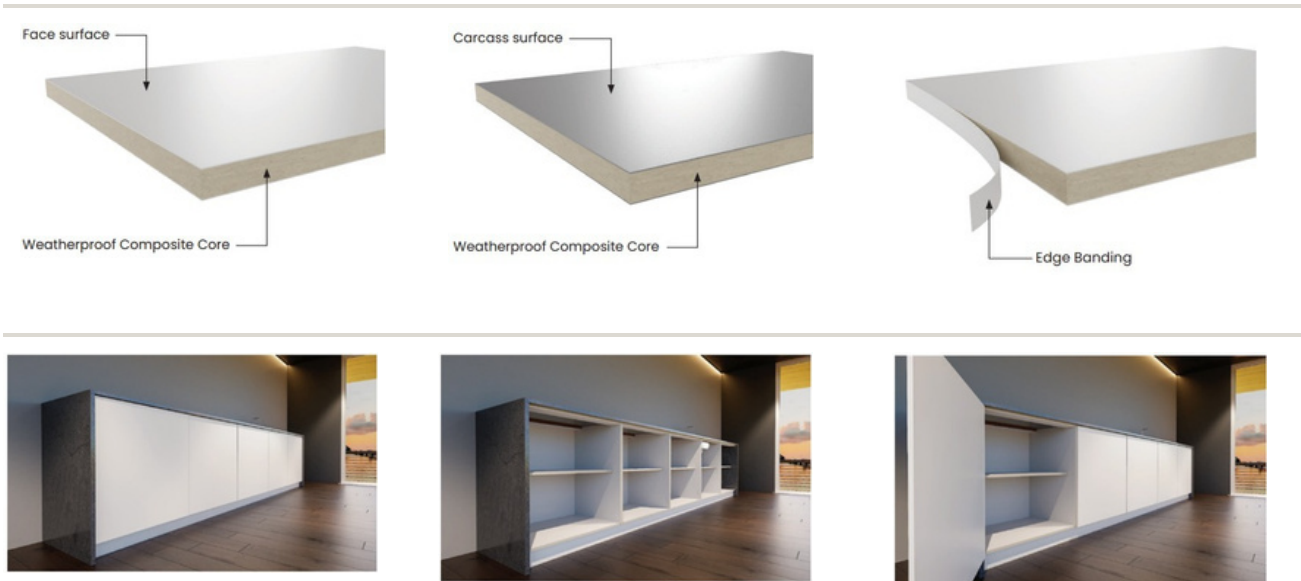
StyleLex ABS carcass panels

A versatile carcass solution featuring resilient ABS/acrylic surfaces.

CORE	PANEL SIZE	APPLICATION	WEIGHT	FINISH
Weatherproof Composite Core (WCC)	2400 × 1200 × 18	Cabinet carcasses, support structures, kickboards	12 kg/m ²	White and coloured textured ABS

The Stylelex System

FACE PANELS 18MM	CARCASS PANELS 16 & 18MM	EDGEBANDING 23 × 1MM
Stylelex face panels are mounted to cabinet structures as finished doors and decorative panels *Benchtop material needs to be used for gable ends.	Available in WPC, HPL and ABS/acrylic surface options for cabinet boxes, frames, kickboards, drawer bottoms and other internal components.	White Matching acrylic edgebanding provides a seamless finish to exposed panel edges while enhancing UV resistance and long-term appearance.coloured textured ABS



EGR Waterproof Carcass – Product Comparison Guide

	18MM ABS CARCASS	16MM LAMINATE CARCASS	16MM WPC CARCASS
POSITIONING	Versatile all-round solution.	Premium performance solution.	Cost-effective moisture-resistant solution.
KEY BENEFITS	Strong impact resistance, colour flexibility and paintability.	High rigidity and lower deflection. Strong screw holding, superior wear resistance and improved heat performance.	Low moisture uptake and stable multilayer construction.
CONSIDERATIONS	Reduced stiffness and heat resistance compared with laminate panels.	May exceed requirements for concealed or low-load use.	Lower rigidity, scratch resistance and heat performance than laminate or ABS carcass panels.
BEST SUITED FOR	Impact-prone areas, coloured or painted cabinetry and low-span applications.	Indoor and covered outdoor cabinetry, kitchens, vanities, laundries and high-capacity shelving.	Internal carcasses, vertical panels and light-duty shelving in wet areas.

Installation And Best Practice

Installation & Fabrication Best Practice

Installation

- For covered outdoor applications only.
- Protect from direct and prolonged sunlight.
- Use standard woodworking tools and cabinet hardware.
- Pre-drill and countersink all fixings.
- Use 5 mm Euro screws for hardware fixing.
- Use screws ≥51 mm for carcass assembly.

Panel Design Limits

- Maximum door size: 600 mm × 1200 mm.
- Use multi-panel construction for larger doors.
- Provide additional support for panels over 1200 mm.
- Maximum fixing spacing: 300 mm.

Cutouts

- Cut-outs are not recommended.
- Reinforce with framing if cut-outs are required.

Edge Treatment

- StyleLex edgebanding contains acrylic and requires careful handling.
- Take extra care during fabrication to minimise the risk of chipping, cracking and stress damage.
- Matching StyleLex acrylic edgebanding enhances UV resistance and colour retention.
- Avoid harsh solvents, aggressive cleaners and chemicals that may damage acrylic edges.
- Protect exposed edges from weathering, impact and excessive wear.

Performance & Warranty

WATER RESISTANCE PERFORMANCE

STYLELEX FACE PANEL	STYLELEX 18MM ABS CARCASS PANEL	STYLELEX 16MM LAMINATE CARCASS PANEL	STYLELEX 16MM WPC CARCASS PANEL
7 days	30 days	7 days	45 days

* submersion with no visible change

Manufacturing

- Manufactured using advanced PUR reactive hot-melt lamination technology.
- Made in Australia at EGR's ISO 9001-certified facilities

Warranty

- All StyleLex products are covered by a limited warranty.
- Please refer to the EGR Décor Warranty document for full terms, conditions and coverage details.

Design And Application Limits

Design & Application Limitations

Not Suitable For

- Structural or load-bearing applications.
- Exposed exterior installations.
- Applications requiring Group 1 or 2 fire ratings.
- Countertops, work surfaces or exposed end panels subject to heavy wear or direct weather exposure.

Application Guidelines

- Install in covered outdoor areas only and protect panels from direct sunlight.
- Maintain safe clearances from cooktops, barbecues and other heat-producing appliances.
- Do not expose panels to temperatures above 70°C.
- Comply with all relevant building codes, standards and appliance manufacturer requirements.
- Use licensed tradespeople for all gas, electrical and plumbing work.

Shelf Span & Load Recommendations

PANEL TYPE	MAX SPAN	LOAD	GUIDANCE
StyleLex 18mm ABS Carcass	≤ 600 mm	15–20 kg	Good impact resistance and moderate load capacity. General cabinetry and impact-prone environments.
StyleLex 16mm Laminate Carcass	≤ 800 mm	25–30 kg	Superior rigidity. Longer spans, heavily loaded shelving, indoor and covered outdoor cabinetry.
StyleLex 16mm WPC Carcass	≤ 600 mm	≤ 15 kg	Internal carcasses and light-duty shelving in wet areas. Avoid heat-exposed applications; add centre support for wider spans.

Fabrication Guidelines

General

- Use standard woodworking tools for cutting, drilling and machining.
- Conduct trial cuts to optimise tooling and machine settings.
- Use sharp tooling and adequate panel support to achieve clean edges.
- Manage heat during machining to avoid surface marking or edge melting.
- Maintain effective dust extraction and inspect panels for defects before fabrication.

Cutting

- Use carbide-tipped or diamond tooling.
- A 2-flute compression router bit is recommended.
- Use tooling suited to HPL for face panels and carbide tooling for carcass panels.
- Recommended router speed: 16,000–18,000 RPM
- Machining parameters are similar to MDF processing.

Saw Cutting

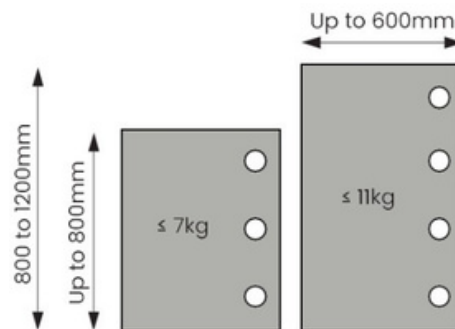
- Use panel or beam saws with carbide-tipped TCG (Tripple Chip Grind) blades.
- Recommended blade density: 3–5 teeth/cm.
- Keep blade projection low (15–30 mm) and maintain a consistent feed rate.
- Use a scoring blade where available to minimise chipping.
- Ensure effective dust extraction

Drilling

- Use carbide or diamond bits with a 60°–80° point angle.
- Drill at slow to medium speed with light pressure.
- Support panels to prevent breakout and surface damage.
- Slightly oversize holes to accommodate movement and reduce stress cracking.
- Ensure effective dust extraction.

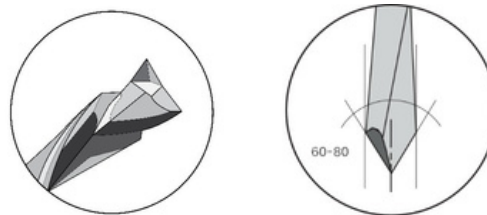
Hinge Recommendation

- Test hinge cup drilling on a sample before production.
- Space hinges at a maximum of 300 mm centres.



Panel Design Limits

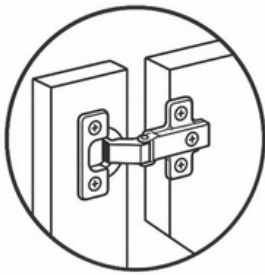
- Maximum single door size: 600 mm (W)×1200 mm (H).
- Use multi-panel construction for larger doors.
- Provide additional support for panels over 1200mm.
- Avoid cut-outs where possible; reinforce any cut-outs with framing.



Assembly Guidelines

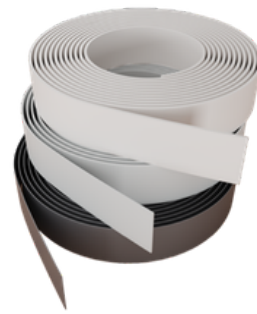
General assembly

- Compatible with standard hardware and hinge systems.
- Use 5 mm Euro screws for hardware fixing.
- Use stainless steel or exterior-rated fasteners in high-moisture areas.
- Space fixings for doors and face panels at 300 mm maximum centres.
- Avoid overtightening fasteners or applying impact force.



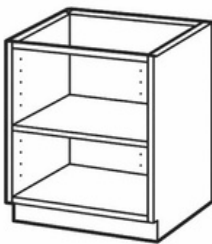
StyleLex Acrylic Edgetape

- Made from acrylic for improve UV resistance.
- Handle with care during fabrication to avoid cracking, crazing or stress damage.
- Do not use harsh chemicals, aggressive solvents or ABS edgeband cleaners.
- Use only approved cleaners and always test in an inconspicuous area before use.



Carcass Assembly

- Use screws ≥ 51 mm long.
- Pre-drill pilot holes and countersink all fixings.
- Position fixing at least 35 mm from panel edges.
- Standard cabinets: fixing centres at 150–200 mm.
- Larger cabinets: fixing centres 100–150 mm.



Edge Finishing

- Compatible with EVA and PUR adhesives.
- Use PUR adhesive for high-moisture and covered outdoor applications.
- Conduct production trials to optimise edgebander, trimming and scraping settings.
- Use white adhesive for white panels and clear adhesive for coloured or woodgrain finishes.
- Protect finished edges from direct weather exposure and abrasion.
- Use scribe fillers where required to conceal exposed edges.

Important Information

Clean edged panels immediately after processing using white spirit and a clean microfibre cloth to remove adhesive residue and processing contaminants that may otherwise increase the risk of crazing, cracking and long-term stress damage to the acrylic edgetape.

Care, Storage And Finishing

Cleaning & Maintenance

During Fabrication

- Clean spills immediately to prevent staining.
- Remove adhesive residue using a microfiber cloth lightly dampened with white spirit (mineral turpentine).
- Always test cleaning products before use.

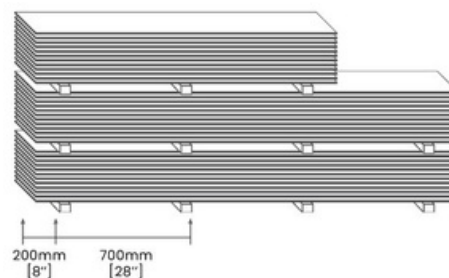
DO NOT use

- Acidic cleaners (e.g., vinegar, descalers).
- Alkaline cleaners (e.g., bleach, oven cleaner)
- Ammonia-based cleaners
- Strong solvents (e.g. acetone, IPA, alcohol)
- Abrasive pads or scouring compounds.
- ABS edgeband cleaning chemicals.



Storage & Handling

- Handle panels with at least two people to prevent damage.
- Always lift panels — do not drag or slide them across surfaces.
- Store in a clean, dry, well-ventilated area away from direct sunlight.
- Keep panels flat, level and fully supported at all times.
- Use a minimum of four evenly spaced bearers on a level, horizontal, dry surface.
- Align supports when stacking to maintain stability and prevent distortion.
- Follow these practices to minimise the risk of bowing or warping.



Correct storage method

Two-pack & Acrylic Paint Finishing

- Stylelex 18 mm ABS carcass panels accept two-pack polyurethane (PU) and acrylic paint finishes.
- Use a coating system compatible with ABS/PVC substrates.
- Prime or edgeband all edges before painting for adhesion and a consistent finish.
- Recommended system: Mirothane PU 5650 topcoat with PU 5631 primer.
- Coat both sides evenly to maintain panel stability and minimise warping.
- Avoid routed profiles or machining that exposes the core.



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