StyleLex® by EGR DECOR

Luxury Outdoor & Wet Areas Cabinetry

Revision: 5.0
Date: 1st February 2026
Australia & New Zealand

Fabrication and Installation Guide

Australia & New Zealand

by EGR DECOR

egrdecor.com

Thank you for 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 additional information, please contact us at info@egrdecor.com
or contact your nearest StyleLex distributor.

You can also visit our website at egrdecor.com for more details.

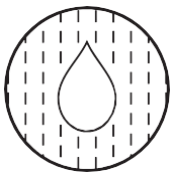
Contents

Overview 3
Quality Features 3
StyleLex Face Panels 3
StyleLex ABS Carcass Panels 3
StyleLex HPL Carcass Panels 3
Important Information 3
Warranty 3
The StyleLex System 4
Installation & Fabrication Best Practices 4
Unsuitable Applications 5
Positioning and Design Guidelines 5
Guaranteed Quality 5
Storage and Handling 5
Fabrication Guidelines 6

Overview

StyleLex is a high-performance panel system designed for covered exterior and interior wet-area applications. The construction integrates a weather-resistant composite core (WCC) with either a UV-stable HPL surface or a high-quality textured ABS finish using advanced PUR reactive hot-melt technology. Engineered for long-term durability, StyleLex is ideal for alfresco kitchens, outdoor entertainment spaces, laundry areas, mudrooms, and other moisture-prone environments, delivering a seamless, custom cabinetry appearance with superior resistance to weather, moisture, and daily wear.

Quality Features

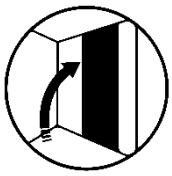

Weatherproof

UV-Protected

Easy to work

Easy to clean

Stain Resistance


Vertical applications

StyleLex Face Panels

StyleLex face panels feature a premium UV-resistant HPL surface that offers superior resistance to weathering, wear, and colour fading.

Core	Panel Size	Typical Applications	Approx. Weight	Finish
Weatherproof Composite Core (WCC)	2400x1200x18	Cabinet doors, face panels, and drawer fronts	13kg/m2	Matte and textured woodgrain HPL

StyleLex ABS Carcass Panels

StyleLex ABS carcass panels feature a durable ABS surface that offers advanced water and moisture resistance in cabinetry structures.

Core	Panel Size	Typical Applications	Approx. Weight	Finish
Weatherproof Composite Core (WCC)	2400x1200x16	Drawer bottoms for covered outdoor cabinetry	11kg/m2	Matte textured ABS
Weatherproof Composite Core (WCC)	2400x1200x18	Cabinet carcasses, support structures, kickboards.	12kg/m2	Matte textured ABS

StyleLex HPL Carcass Panels

StyleLex HPL carcass panels feature a premium white HPL surface that offers excellent stability and long-lasting durability.

Substrate	Finished Panel Size	Application	Weight	Finish
Weatherproof Composite Core (WCC)	2400x1200x16	Cabinet carcasses, support structures, kickboards, drawer bottoms	11kg/m2	White textured HPL

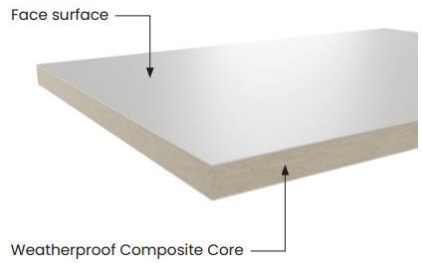
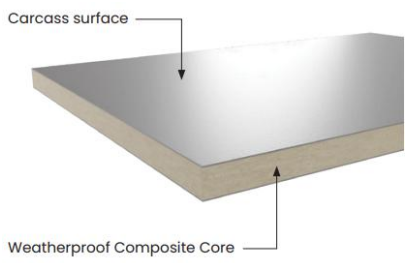
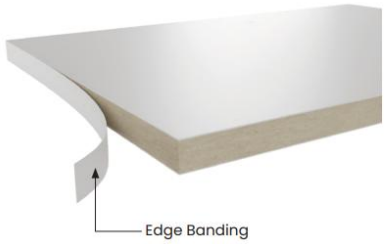
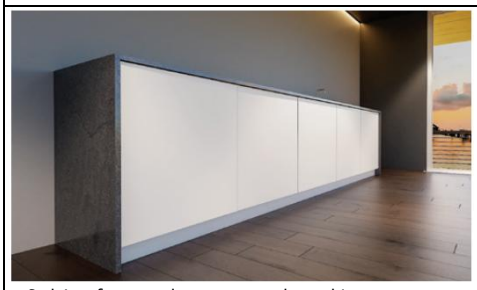
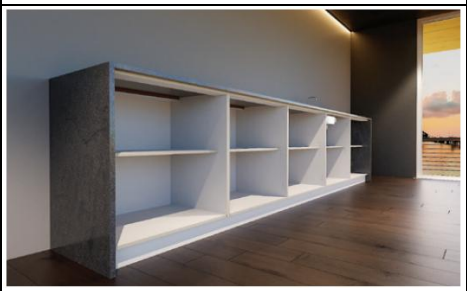
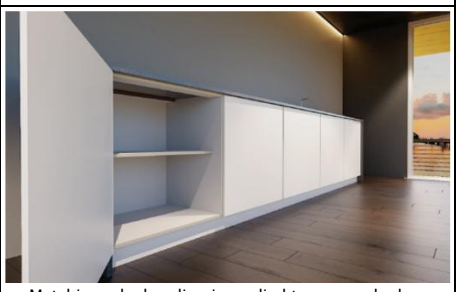
Important Information

- Fabrication and installation must follow industry best practices and applicable local building codes.
- EGR DECOR is not responsible for product performance where improper fabrication or installation occurs.
- It is the responsibility of the installer or specifier to verify suitability for each intended application.

Warranty

- StyleLex panels are covered by a limited 7-year warranty.
- StyleLex edgebanding is covered by a limited 1-year warranty.

The StyleLex System

StyleLex Face Panels – 18mm	StyleLex Carcass Panels – 16 & 18mm	StyleLex Edgebanding – 23x1mm
StyleLex face panels consist of a weather-resistant High Pressure Laminate (HPL) surface bonded to a Weatherproof Composite Core (WCC). These panels are designed for use as cabinet doors, drawer fronts, and decorative face panels in outdoor and wet-area cabinetry.	StyleLex carcass panels consist of HPL (16mm), and ABS (16 & 18mm) sheets laminated to Weatherproof Composite Core (WCC). These panels are designed for use as cabinet boxes and frames, kickboards, drawer bottoms, and internal components,	StyleLex edgebanding provides a clean, finished edge for exposed panel surfaces and completes the integrated appearance of outdoor cabinetry systems.
		
		
StyleLex face panels are mounted to cabinet structures as finished doors and decorative panels Benchtop material used for gable ends.	Cabinet boxes, frames, and kick plates are constructed using StyleLex carcass panels.	Matching edgebanding is applied to exposed edges to complete the finished cabinet assembly.

Installation & Fabrication Best Practices

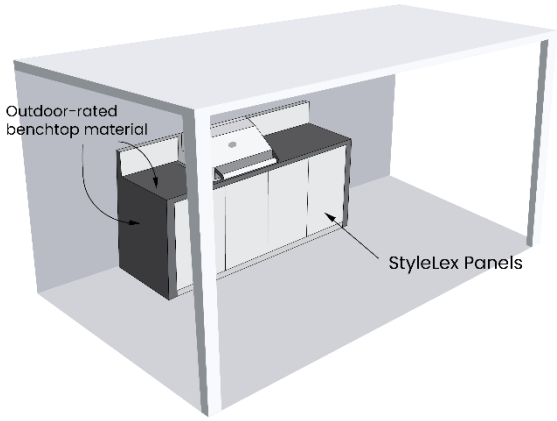
- Install StyleLex panels in covered outdoor locations protected from direct and prolonged sunlight exposure.
- Store panels flat, horizontal, and fully supported at all times.
- Panels can be cut, drilled, and machined using standard woodworking equipment.
- StyleLex is compatible with conventional cabinet hardware and hinge systems.
- Use 5 mm Euro screws for optimal installation performance.
- Pre-drilling and countersinking are recommended to achieve strong, secure joints.
- StyleLex panel size & support requirements:
    - Single door panels should not exceed 600 mm width and 1200 mm height.
    - Larger doors must be fabricated using multi-panel construction methods.
    - Any single panel exceeding 1200 mm in any direction must include additional structural support.
- Fastening points should be spaced at 300 mm intervals or less.
- Use screws 51 mm or longer for carcass construction to ensure adequate holding strength.
- Panel cutouts are not recommended. If cutouts are required, reinforce the surrounding area with additional framing to minimize the risk of bowing or distortion.
- StyleLex panels are not intended for routed profiles that expose the core material.
- StyleLex edgebanding is compatible with EVA and PUR adhesive systems.
- Install panels so edgebanded edges are not exposed in high-wear external positions where possible.
- StyleLex 18 mm ABS carcass panels may be finished with compatible polyurethane or acrylic coatings if required.
- Clean surfaces using mild detergent and a soft cloth – do not use harsh chemicals, solvents, or abrasive cleaning tools.

Unsuitable Applications

- StyleLex panels are not intended for load-bearing or structural applications.
- StyleLex panels are not designed for fully exposed exterior use, including exterior wall or ceiling cladding.
- StyleLex panels are not suitable for use in areas where a Materials Group fire rating of 1 or 2 are specified.
- StyleLex panels are not recommended for countertops, work surfaces, or exposed cabinet end panels subject to heavy wear or direct weather exposure. Use materials specifically rated for exterior horizontal applications.

Positioning and Design Guidelines

- StyleLex panels must be installed in covered outdoor environments protected from direct and continuous sunlight exposure throughout the year.
- StyleLex panels should not be exposed to temperatures exceeding 70°C. Avoid installation in locations subject to excessive heat buildup or direct radiant heat sources.
- StyleLex panels are combustible. Maintain appropriate clearances from heat-producing appliances such as gas cooktops, grills, and other cooking equipment
- Installation must comply with all applicable local building codes, appliance manufacturer installation instructions, and relevant Australia and New Zealand standards.
- Minimum clearance requirements from combustible materials vary by appliance and must be verified with the appliance manufacturer to ensure adequate ventilation and fire safety.
- For alfresco kitchens, all gas, electrical and plumbing works must be carried out by licensed or qualified tradesperson.



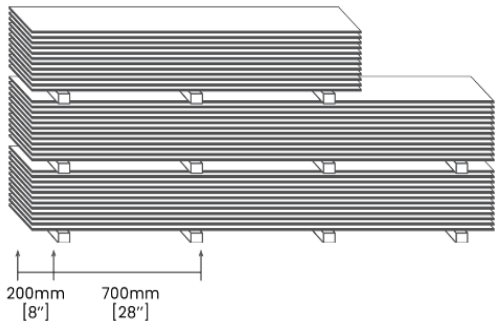
StyleLex Installation & Fabrication Best Practices

Guaranteed Quality

- StyleLex panels are manufactured using an advanced PUR reactive hot-melt lamination system.
- Manufactured in Australia at EGR's ISO 9001-certified facilities.
- Designed to withstand incidental water exposure and temporary submersion under ambient conditions:
  - StyleLex Face Panel – Up to 7 days with no visible change.
  - StyleLex ABS Carcass Panel – Up to 30 days with no visible change.
  - StyleLex HPL Carcass Panel – Up to 7 days with no visible change.

Storage and Handling

- Handle panels carefully using at least two people to prevent edge damage or breakage.
- Always lift panels during loading and unloading—do not drag or slide across surfaces.
- Store panels in a clean, dry, well-ventilated area.
- Keep panels stored flat, level and fully supported at all times.
- Place panel packs on a minimum of four evenly spaced supports (bearers) on a level, horizontal, dry surface.
- Do not store or transport panels in direct sunlight.
- When stacking multiple packs, align supports to maintain stability and prevent distortion.
- Use protective cover boards on the top and bottom of panel packs.
- Follow proper storage practices to minimize the risk of bowing or warping.



Correct storage method

Fabrication Guidelines

Overview

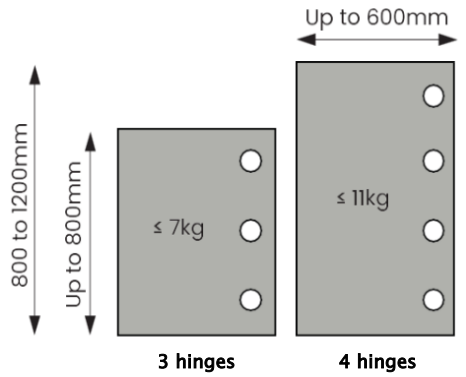
- StyleLex panels can be cut, drilled and machined using standard woodworking tools.
- Always perform a trial cut or machining test to confirm optimal speeds and tooling.
- Rough edges may result from excessive friction, poor panel support, or worn tooling.
- Adjust cutting to avoid edge strands, which can affect edgebanding quality.
- Maintain proper ventilation and use dust extraction during machining.
- Control heat buildup during processing to prevent edge melting or surface marking.
- Inspect all panels upon receipt and before fabrication for defects or damage.

Cutting

- StyleLex panels can be cut using carbide-tipped or diamond tooling.
- A small-diameter, 2-flute (wing) compression router bit is recommended for best performance.
- StyleLex face panels cut best with tools specifically designed for HPL.
- StyleLex carcass panels cut best with carbide-tipped tools.
- Recommended router spindle speed: 16,000–18,000 RPM.
- specifically designed for HPL.
- All other machining parameters are comparable to MDF processing practices.

Hinge Recommendation

- Always test hinge cup drilling on a sample panel to confirm proper depth and setback
- StyleLex door panels must use the appropriate number of hinges spaced no more than 300 mm apart.

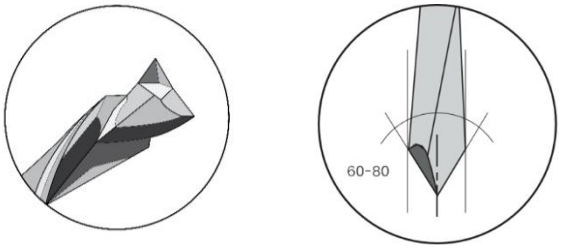


Saw Cutting

- Panels can be processed on panel saws or beam saws using standard settings.
- Use a carbide-tipped Triple Chip Grind (TCG) blade for clean cuts.
- Recommended blade tooth density: 3–5 teeth per cm.
- Maintain a cutting height of approximately 15–30 mm for best results.
- Operate at standard or slightly reduced RPM to minimize heat buildup.
- Maintain consistent feed speed and avoid stop/start feeding.
- Use a scoring blade when available to prevent laminate chipping.

Drilling

- Use carbide or diamond drill bits with a 60°–80° point angle for clean holes.
- Drill at slow to medium speed with light pressure to prevent heat or cracks.
- Always place the panel on a firm backing to stop vibration and breakout.
- Keep the drill perpendicular for accuracy and to avoid laminate damage.
- Make holes slightly larger than fasteners to allow expansion and prevent stress cracks.



Panel Size & Design Limitation

- Single door panels must not exceed 600 mm width and 1200 mm height.
- Larger doors require multi-panel construction.
- Panels exceeding 1200 mm in any direction require additional support.
- Cutouts are not recommended. If required, reinforce with framing to prevent distortion.

General Assembly Recommendation

- Compatible with standard cabinet hardware and hinge systems.
- Use 5 mm Euro screws for secure installation.
- Use stainless steel or exterior-rated fasteners in high-moisture environments.
- Fixing points for doors and face panels should be spaced at a maximum of 300 mm.
- Where drawer hardware exceeds this spacing, install additional fasteners or support brackets.
- Do not overtighten screws or use impact force (e.g., hammering).

Carcass Assembly Recommendation

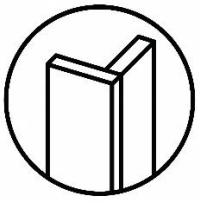
- Use screws 51 mm or longer for cabinet carcass construction.
- Always pre-drill pilot holes and countersink.
- First fastener should be placed at least 35 mm from panel edges.
- Standard cabinet fastener spacing: 150–200 mm on centre.
- Larger cabinets: reduce spacing to 100–150 mm for additional strength.

Cleaning During Fabrication

- Clean spills immediately to prevent staining.
- Remove adhesive residue using a microfiber cloth lightly dampened with white spirit (mineral turpentine).
- Test all cleaning products in an inconspicuous area 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.

Edge Finishing

- Use PUR adhesive in high-moisture or exterior environments.
- Conduct trials to optimize edgebander settings.
- Adjust trimming and scraping tools carefully to avoid surface damage
- Use white adhesive on white panels and clear adhesive on coloured or woodgrain finishes.
- Only use adhesive manufacturer-approved cleaning products.
- Do not use ABS edgeband cleaners on StyleLex panels.
- Do not install StyleLex panels with edgebanded edges facing outward or exposed. All edgebanded edges must be positioned toward internal or protected surfaces.
- *Scribe fillers are required where necessary to ensure that edgebanded edges are not visible or exposed after installation.*



Two-Pack and Acrylic Paint Finishing

- StyleLex 18mm ABS carcass panels are compatible with polyurethane (PU) and acrylic paint finishes when correct preparation and priming procedures are followed.
- Confirm that the selected coating system is suitable for ABS/PVC-based substrates prior to application.
- All panel edges must be primed or edgebanded before finishing to ensure proper adhesion and a uniform appearance.
- Recommended coating system: Mirothane PU 5650 topcoat with PU 5631 primer (or approved equivalent).
- Apply finish to both sides of the panel to maintain dimensional stability and reduce the risk of warping or bowing.
- Routed profiles that expose the core are not recommended.

StyleLex® by EGR DECOR

Luxury Outdoor & Wet Areas Cabinetry
Fabrication and Installation Guide

Australia & New Zealand

EGR Decor

45 Machinery St, Darra, Brisbane
Queensland 4076, Australia

www.egrdecor.com

info@egrdecor.com

+61 7 3718 1100

1. EGR expressly disclaims any representations or warranties of any kind, whether express or implied, as to the accuracy, currency, completeness and/or the merchantability or fitness for a particular purpose of any information contained in or provided via this documentation and/or any service or product described or promoted in this document. 2. It is the customer's responsibility to thoroughly examine the product using a qualified person, to determine whether it is suitable for the application it was purchased for. 3. The receiver of our products is fully responsible to check and to take into account possible third party's patent rights, as well as the existing laws in the country of installation prior to installing our product. 4. No liability may be derived from these images or statements nor from our free technical advice. 5. EGR reserves the right to change, add or remove colours or product without notice. 6. EGR Decor and EGR are registered trademarks. 7. Images and colours should be used as a guide only. 8. Seven Year Limited Covered Outdoor Warranty: The EGR Decor warranties cover faulty materials for the periods specified on the relevant product warranty documents. The EGR Decor warranties commence from the date of sale by EGR, they are not transferable and are subject to the terms, conditions and exclusions contained within those warranties.

@ Copyright 2024 / Patent Pending Oakmoore Pty Ltd trading as EGR