

# ARCHITECTURAL SUITE

RESIDENTIAL & COMMERCIAL PROJECTS  
HEIGHT UP TO 2.7M

ARCHITECTURAL SPECIFICATION GUIDE



# FRAMING DREAMS



**FOR OVER 50 YEARS**



# GET TO KNOW FAIRVIEW

## FAIRVIEW'S REPUTATION IS BUILT ON DELIVERING INNOVATIVE AND HIGH END QUALITY SOLUTIONS TO CUSTOMERS WITH SPECIFIC DESIGN NEEDS.

We have a strong history of providing a comprehensive range of products to our customers from mainstream suites to architectural and thermally efficient products and systems. The range of products are tested and designed for New Zealand conditions.

With over 50 years of experience in supplying joinery to the New Zealand construction industry, Fairview is a trusted name in the market. As a family-owned business we supply the industry through a network of independent fabricators who understand the local markets they work in. Being so close to our customers means we proactively seek best practice and work together with industry partners to maintain the highest standard of service and products.

We have the added advantage of having a market-leading, fully in-house research and development operation, design and technical support team. Taking a highly collaborative approach, we'll provide you with full specifications and technical information and installation details when required, so you can deliver the best results for your clients every time.

Fairview covers key aspects of the supply chain from design and testing to the supply of aluminium extrusion, glass and hardware products to deliver a complete system to the market.



### PROUD TO BE ASSOCIATED WITH:





# SPECIFICATION SUPPORT & INFORMATION

## GENERAL AND TECHNICAL ENQUIRIES:

Fairview's specification team have a wide range of experience and are available to answer any questions you may have, we are just a phone call or email away.

Phone: +64 9 574 2900

Email: [archteam@fmi.co.nz](mailto:archteam@fmi.co.nz)

[www.fairviewwindows.co.nz/specifiers](http://www.fairviewwindows.co.nz/specifiers)

E2/ASI install details available as standard. For site specific rebate or flush sill details, please contact our Architectural Advisors.

## FAIRVIEW FABRICATORS

Fairview have an extensive network of Fairview fabricators across New Zealand, who are passionate about design and are experts in their field. Contact them for a free quote and to discuss your next project.

[www.fairviewwindows.co.nz/manufacturers/](http://www.fairviewwindows.co.nz/manufacturers/)

## FAIRVIEW PRODUCT DRAWINGS AND TECHNICAL INFORMATION ARE CONVENIENTLY LOCATED ON THE FOLLOWING PLATFORMS:

### PRODUCTSPEC<sup>®</sup>

architecture, building & landscape products

Productspec - is an extensive library of New Zealand building products including product technical drawings, BIM and CAD files.

[productspec.co.nz](http://productspec.co.nz)

### SMARTSPEC<sup>®</sup>

Smartspec - is a intuitive specification writing tool.

[www.smartspec.co.nz](http://www.smartspec.co.nz)

### masterspec partner

Masterspec - is a specifications tool to increase construction workflow and connectivity.

[masterspec.co.nz](http://masterspec.co.nz)



EnviroSpec - is an independent consultancy providing an online platform where architects, product suppliers and homeowners can compare products in terms of their environmental performance.

[www.envirospec.nz](http://www.envirospec.nz)

### INSTANT ENERGY EFFICIENCY REPORTS



Fairview windows and doors can provide immediate BRANZ-verified R-values on every unit, on the fly while quoting. Personalised reports show exactly what R-value each window and door can achieve – and also the combined value across the whole house. Comparisons across products are also possible.

### PERFORMANCE AND TEST STANDARDS

Tested to specific design criteria where project requirements have demanded higher levels of performance.

### A MORE ENERGY EFFICIENT HOME R-values and thermal ratings

While it is tricky to quantify exactly how much money can be saved as part of a total window system quality, aluminium frames with insulated glazing can definitely help boost the energy efficiency of your home. When combined with a high-performance glass solution, like low-e, the benefits are even greater.

The thermal efficiency of windows and doors is measured by R-value. This is the thermal resistance of the entire window system (including glass, thermal spacer and joinery), not the glass on its own.

This gives you a more complete view of the performance of your Fairview window and door solution. The higher the R-value, the less heat is lost through the system, and the better the insulation will be.

Your Fairview fabricator can show you exactly what R-value rating each of your windows and doors can achieve, as well as the combined value of the house lot of joinery. This provides an easy way to compare multiple product combinations (glass, thermal spacer and joinery), on the same report.

With every Fairview window system quoted, we can provide a BRANZ-verified WEERS\* rating. So it's easy to make the best choice.

Talk to us for more information about our WEERS ratings and how we can help.

### WARRANTIES



15 year powdercoating warranty in most residential environments. Additional and extended warranties are available for commercial applications.

### SUSTAINABILITY STATEMENT:

At Fairview we are committed to sustainability: environmental, social and economic.

- We are committed to best practice production policies to protect our environment.
- 100% of our aluminium billet is sourced from a smelter using a renewable hydropower.
- Aluminium is a 100% recyclable product and is the most recyclable of all materials.
- We support a diverse workforce and strive for continuous improvement.
- We support local jobs and economic growth within our communities.

\* Window Energy Efficiency Rating Systems

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# ARCHITECTURAL SUITE





## BEAUTIFULLY DESIGNED AND METICULOUSLY BUILT.

### AC/AL

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■ Fairview Architectural delivers the ultimate combination of visual appeal, performance and design flexibility. Multiple glazing options, glass types, size and span solutions ensure any project can be catered for.

For projects that demand a contemporary style, look no further than Fairview Architectural Linear.

Where an industrial 'boxy' aesthetic is sought, Architectural Cubic delivers; with a substantial frame, chunky box profiles and concealed fixing solution for apartment and high rise solutions. This ensures these windows and doors do not hide and their presence adds impact and style.

Architectural Cubic and Linear suites are designed to blend seamlessly together in the same project so you'll get a consistent exterior look, regardless of the size of the windows and doors. And they can be integrated with our Fairview Thermal range for greater energy efficiency and maximum design flexibility.



Rowe Baetens Architecture | Simon Devitt Photography

# ARCHITECTURAL LINEAR 40





## DESIGNED FOR ROBUST PERFORMANCE.

- The combination of flush surfaces, square shapes and timber liners give the AL40 suite a clean modern aesthetic. Designed for robust performance with a larger than normal glazing capacity to allow for modern design requirements and increased glass spans.

The AL40 range is as at home in a mid to high-end house as it is in a high rise apartment, hotel, commercial building or school, and will turn your project from the ordinary to the extraordinary.

AL40 blends seamlessly with other Fairview Architectural ranges for maximum design advantages and optimum economic value.

## AL40

### APPLICATION

- Standard residential applications where quality, durability and high performance are paramount.
- Suitable for mid to high-end homes, apartments, hotel, commercial buildings, schools and aged care.
- Best when;
  - a modern, flat aesthetic is required
  - a standard liner finish is required
- Can be integrated with other Fairview Architectural ranges for maximum design advantages.







# FEATURES OVERVIEW

## MAXIMUM DESIGN ADVANTAGES AND OPTIMUM ECONOMIC VALUE.

## AL40

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- Full range of mullions and transoms including internal box stiffening or external fins.
- Square glazing bead for optimal aesthetic appearance.
- Hinged and bi-fold doors have 55mm thick heavy duty panels.
- Hinged door panels available in 77mm or 119mm stile widths.
- Sliding door panels can span up to 2700mm height, however maximum sizes for sliding doors may vary by height, width, wind zone, and glazing requirement.
- Hinged doors can be manufactured up to 2700mm height and 910mm width, and bi-fold doors up to 2700mm height and 1000mm width, in most situations. Bi-fold door sizes subject to wind zone.
- Bi-fold doors can be bottom rolling with the weight carried on the sill; or top hung when the lintel is designed to receive the panel loads.
- Sliding doors have heavy duty roller options for panels up to 300kg.
- Optional anodised tracks for long term performance.
- Sashes can be added without expensive sub-frames.
- Heavy duty mullion options that can span up to 2700mm height.
- Condensation drainage channel with anti-blow-back valve for high water egress performance.

### PRODUCT RANGE CONSISTING OF:

- Fixed, awning and casement windows
- Bi-fold windows (open-out)
- Hinged doors (both open-in or open-out)
- Bi-fold doors (bottom rolling panels up to 100kg)
- Sliding doors (internal or external sliding panels)
- Stacking doors (internal or external sliding panels)
- Over the wall sliding/stacking panels\*
- Sliding windows (horizontal)

\* Multi directional panels operate in track system providing consistent sightlines. For more details go to [fairviewwindows.co.nz/specifiers](http://fairviewwindows.co.nz/specifiers)

## AL40 AWNING/CASEMENT WINDOW



### FEATURES

- Square, flat aesthetic with a 19mm flange, accommodating a range of sash and security locking options.
- Fixed glazing, 40mm glazing platform provides a glazing capability of up to 28mm.
- Up to 28mm IGUs in sashes.
- Chair frame option (no flange).

### SIZES

- For compliance with NZS4211:2008 and the New Zealand building code, a security stay, safety latch, or restrictor may be required for certain sash sizes. Casement window height should be greater than twice the window width.

The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

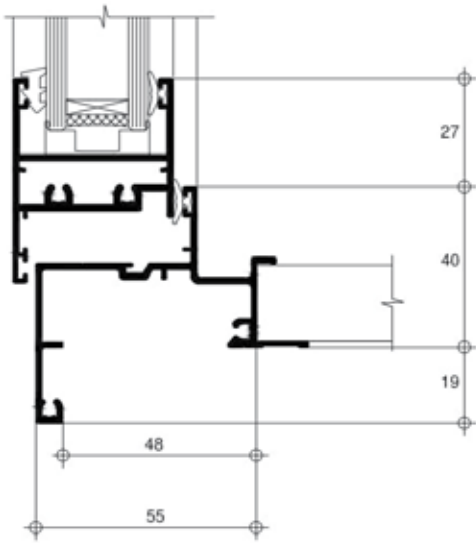
### GLAZING BEADS AND PANEL TYPES

- Sashes available in pocket and beaded options.
- Pocketed sashes provide greater security and take up to 28mm IGUs.
- Flat overlay sash.
- Glazing beads available for glass thicknesses up to 28mm.

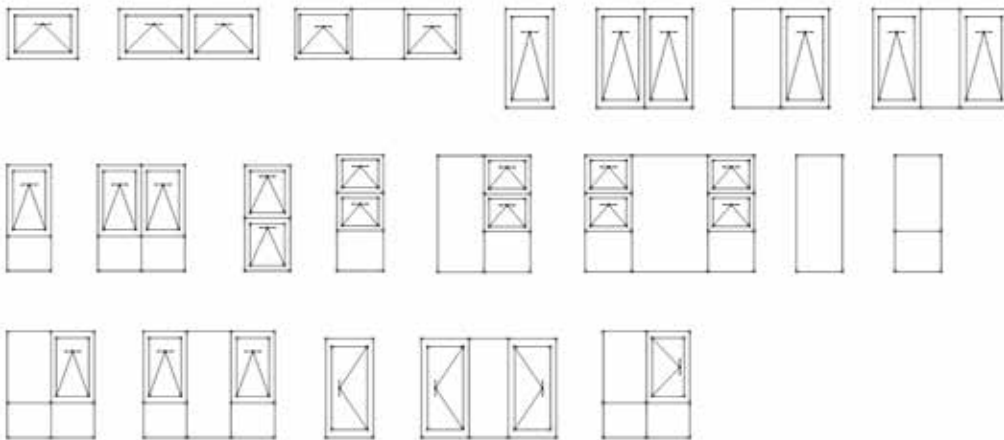


**AL40  
AWNING/CASEMENT WINDOW**

AL40



**CONFIGURATIONS**



Configurations are examples only.

## AL40 BI-FOLD WINDOW



### FEATURES

- Square, flat aesthetic with 19mm flange.
- Bi-fold windows open-out and can be bottom rolling with the weight carried on the sill, or top hung when the lintel is designed to receive the panel loads.
- Panels take up to 28mm IGUs.
- Panels include torsional stiffening blocks for stronger panels.
- Freefold options are available. For some situations where the panel is required to open back against the wall.

### SIZES

- Bi-fold window panels are 55mm thick, and are bead glazed externally on all sides for glass thicknesses up to 28mm.
- Typical bi-fold panel limits are 1800mm height and 860mm width, however maximum sizes for bi-fold windows may vary by height, width, wind zone, and glazing requirement.

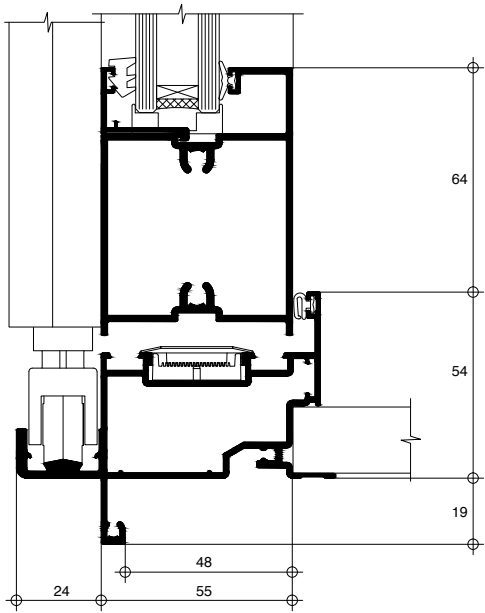
The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

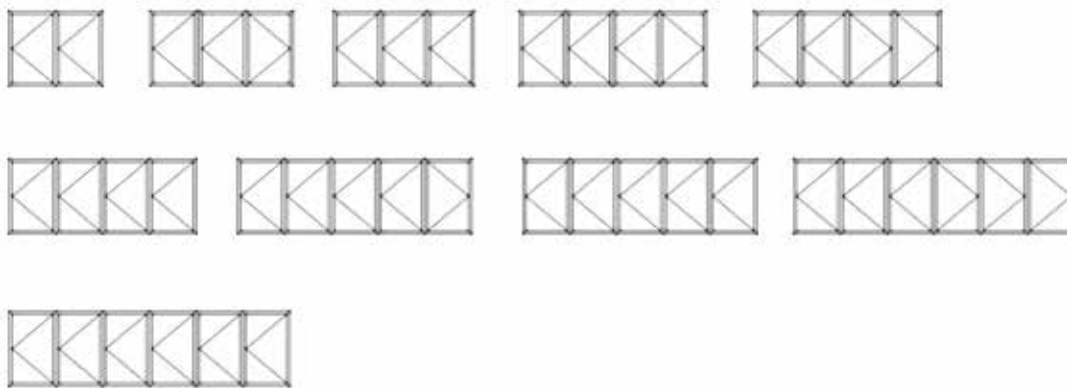
- Standard stiles are 77mm.
- Rail options are 77mm and 119mm.
- Beaded panels standard.

# AL40 BI-FOLD WINDOW

AL40



## CONFIGURATIONS



Configurations are examples only.



## AL40 HINGED DOOR



### FEATURES

- Hinged doors are available in both open-out and open-in configurations.
- One-piece open-out frames with 19mm flange and 53mm sill (which can be rebated into some floors).
- Beaded panels take up to 28mm IGUs.
- Panels include torsional stiffening blocks for stronger panels.

### SIZES

- Hinged door panels are 55mm thick; bead glazed externally on all sides for glass thicknesses up to 28mm.

- Typical hinged panel limits are 2700mm height and 910mm width, however maximum sizes for hinged doors may vary by height, width, wind zone, and glazing requirement.

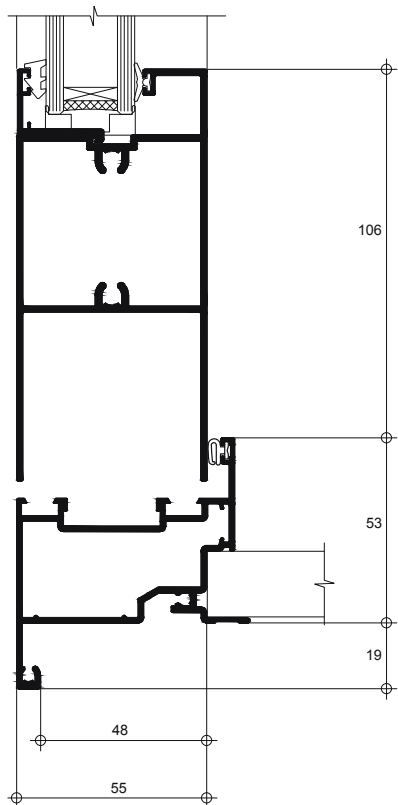
The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

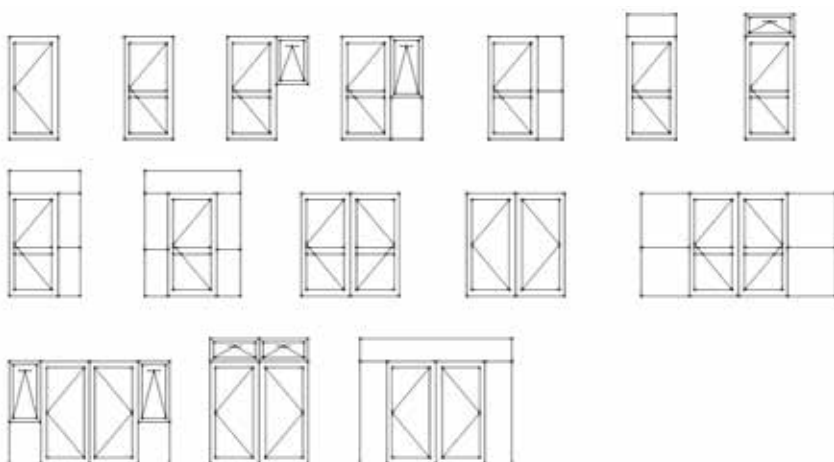
- Standard stiles are 77mm or 119mm wide stiles.
- Rail options are 77mm and 119mm.
- Beaded panels standard.
- 2 and 4 point locking options available.

## AL40 HINGED DOOR

AL40



### CONFIGURATIONS



Configurations are examples only.

## AL40 BI-FOLD DOOR



### FEATURES

- Square, flat aesthetic one-piece open-out frames with 19mm flange and 53mm sill (which can be rebated into some floors).
- Beaded panels take up to 28mm IGUs.
- Panels include torsional stiffening blocks for stronger panels.
- Top or bottom rolling gear options.
- Freefold options are available. For some situations where the panel is required to open back against the wall.

### SIZES

- Bi-fold doors open-out and can be bottom rolling with the weight carried on the sill, or top hung when the lintel is designed to receive the panel loads.

- Bi-fold door panels are 55mm thick; bead glazed externally on all sides for glass thicknesses up to 28mm.
- Typical bi-fold panel limits are 2700mm height and 910mm width (top hung can go to 1000mm), however maximum sizes for bi-fold doors may vary by height, width, wind zone, and glazing requirement.

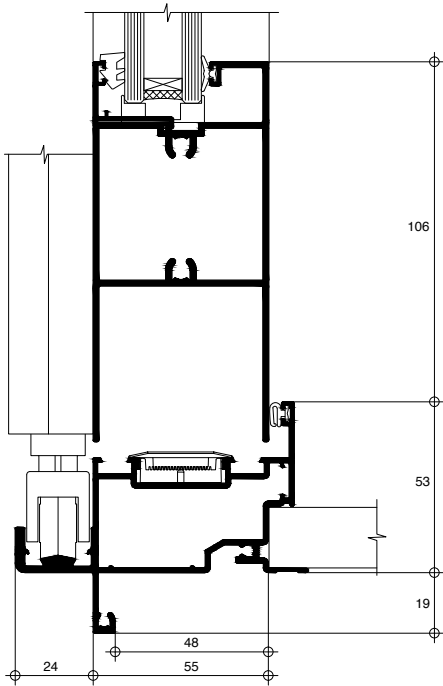
The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

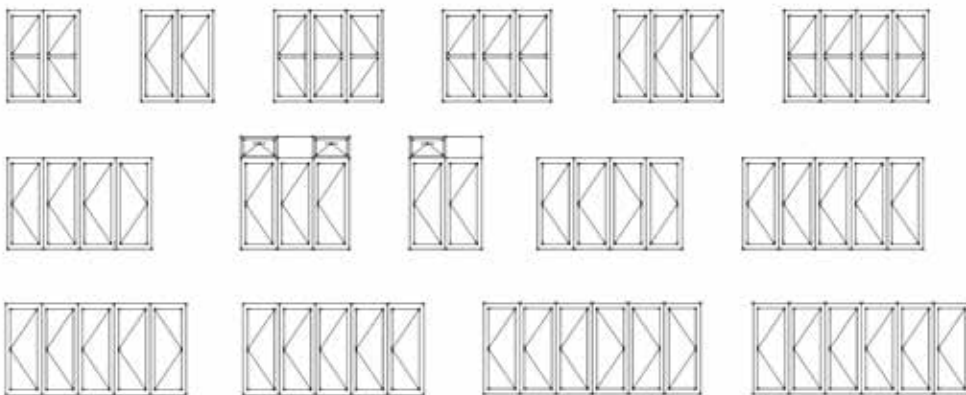
- Standard stiles are 77mm or 119mm wide stiles.
- Rail options are 77mm and 119mm.
- Beaded panels standard.
- 2 and 4 point locking options available.

# AL40 BI-FOLD DOOR

AL40



## CONFIGURATIONS



Configurations are examples only.



## AL40 SLIDING DOOR



### FEATURES

- One-piece inside sliding door frames with 19mm flange and 50mm sill (which can be rebated into some floors).
- Inside sliding panels allow optional opening sashes indoor sidelights.
- Panels sliding on the inside offer increased security.
- Up to 28mm glazed IGUs in both the panels and sidelights.
- Optional flush tracks allow for perfect indoor/outdoor transitions.
- External sliding door option is also available (see AL40 External sliding door pg 27).

### SIZES

- Sliding door panels are 40mm thick, and sidelights are bead glazed externally for glass thicknesses up to 28mm.

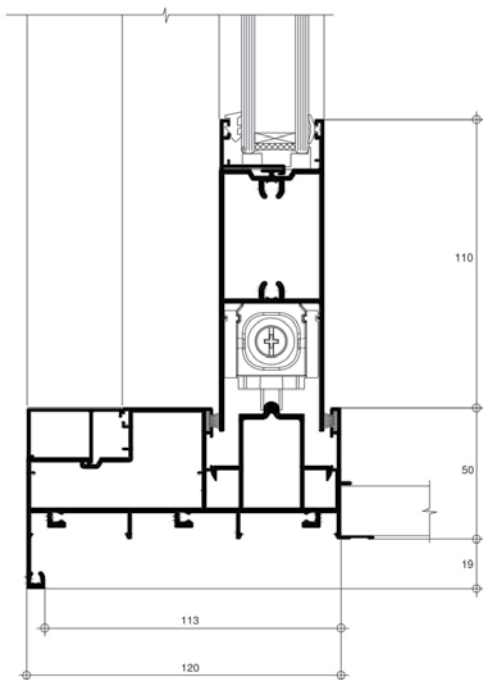
- Typical sliding panel limits are 2700mm height, however maximum sizes for sliding doors may vary by height, width, wind zone, and glazing requirement.

The Fairview Architectural Advisors, or your local Fairview fabricator can advise about whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

- Door panels take up to 28mm IGUs.
- Panels available are beaded.
- Equal sightlines/glass are an option in fixed sidelights.
- Various optional mortise locksets for increased security.

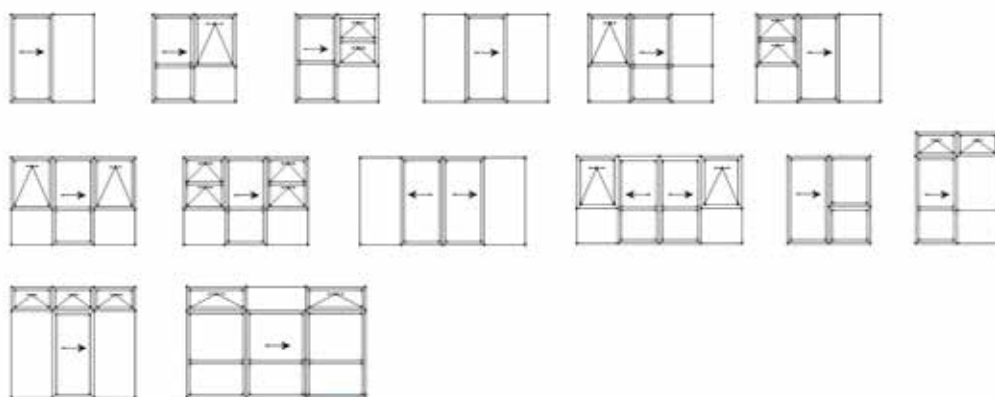
## AL40 SLIDING DOOR



Optional flush track and large rail shown.

AL40

### CONFIGURATIONS



Configurations are examples only.

## AL40 STACKING DOOR



### FEATURES

- Inside stacking door frames with 19mm flange and 50mm sill (which can be rebated into some floors).
- Inside sliding panels allow optional opening sashes indoor sidelights.
- Panels sliding on the inside offer increased security.
- Up to 28mm glazed IGUs in both the panels and sidelights.
- Optional flush tracks allow for perfect indoor/outdoor transitions.
- Special frame option allow panels to be stacked up, allowing for unlimited slider numbers and configurations.
- External stacking door option is also available (see AL40 External stacking door pg 29).

### SIZES

- Stacking door panels are 40mm thick, and sidelights are bead glazed externally for glass thicknesses up to 28mm.
- Typical sliding panel limits are 2700mm height, however maximum sizes for stacking doors may vary by height, width, wind zone, and glazing requirement.

The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

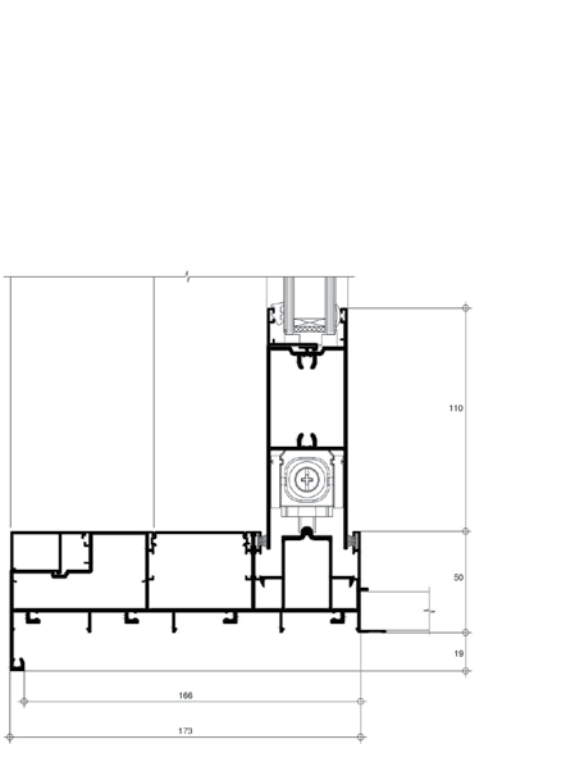
### GLAZING BEADS AND PANEL TYPES

- Beaded panels take up to 28mm IGUs.
- Various optional mortise locksets for increased security.



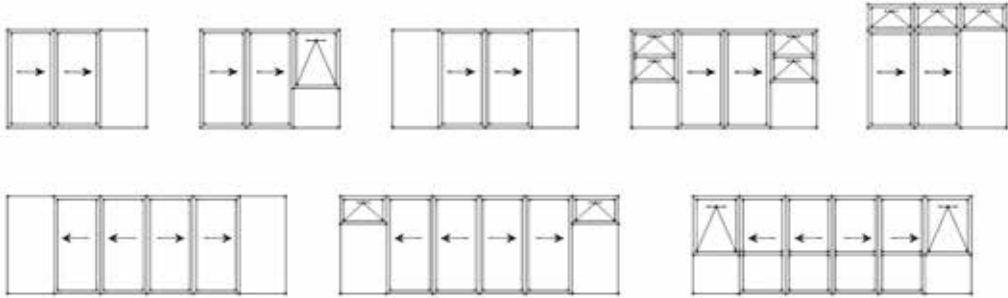
# AL40 STACKING DOOR

AL40



Optional flush track and large rail shown.

## CONFIGURATIONS



Configurations are examples only.

## AL40 EXTERNAL SLIDING DOOR



### FEATURES

- Outside sliding door frames with 19mm flange and 50mm sill (which can be rebated into some floors).
- Threshold design provides clean indoor/outdoor transitions.
- The track sits in front of the fixed sidelight. Does not allow for opening sashes within the path of panel travel.
- Specific track design allows for easy cleaning and high performance against wind/water pressure.
- Internal sliding door option is also available (see AL40 Sliding door pg 23).

### SIZES

- Sliding door panels are 40mm thick, and sidelights are bead glazed externally for glass thicknesses up to 28mm.
- Typical sliding panel limits are 2700mm height, however maximum sizes for sliding doors may vary by height, width, wind zone, and glazing requirement.

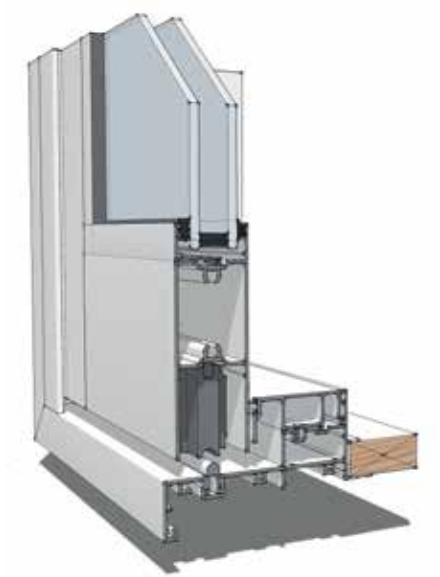
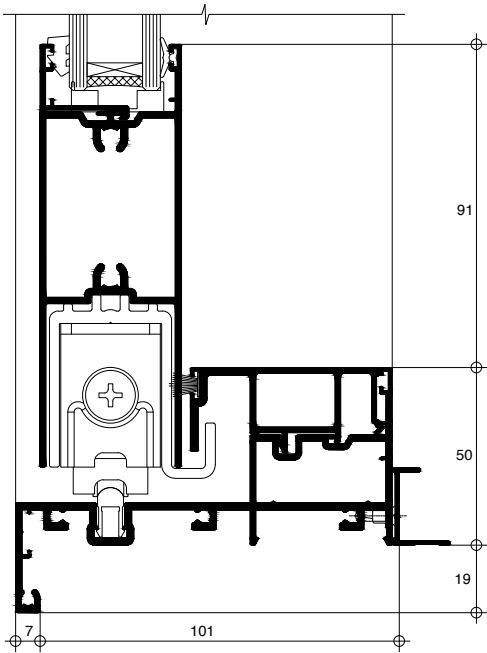
The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

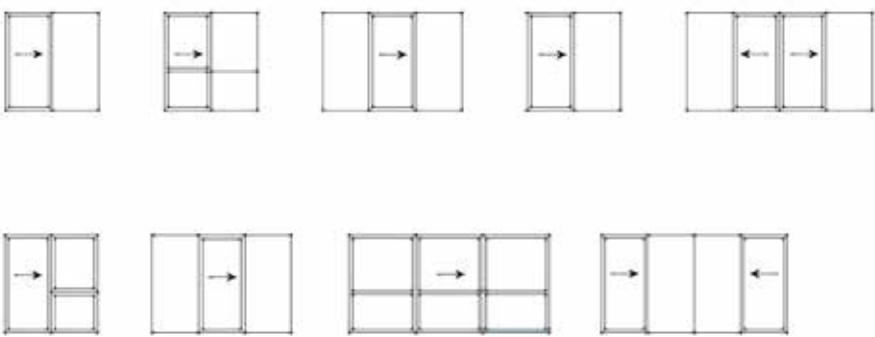
- Door panels take up to 28mm IGUs.
- Panels available in beaded option only.
- Equal sightlines/glass are an option in fixed sidelights.
- Various optional mortise locksets for increased security.

**AL40  
EXTERNAL SLIDING DOOR**

AL40



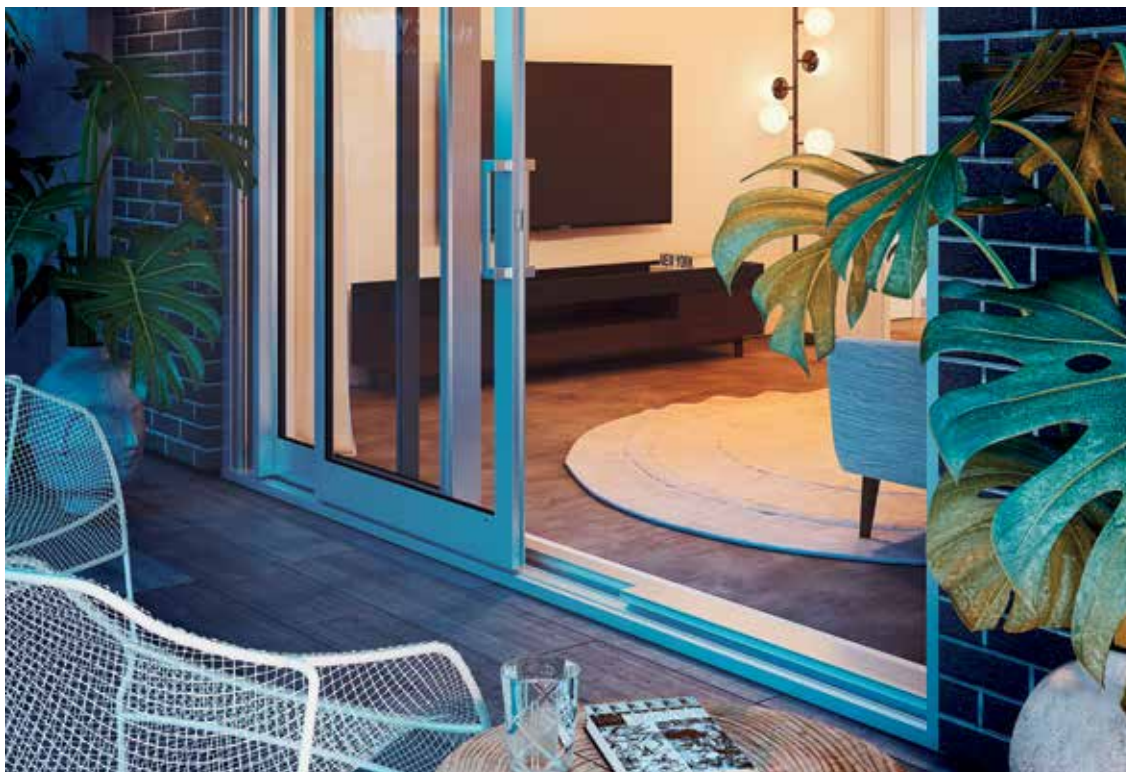
**CONFIGURATIONS**



Configurations are examples only.



## AL40 EXTERNAL STACKING DOOR



### FEATURES

- Outside stacking door frames with 19mm flange and 50mm sill (which can be rebated into some floors).
- Threshold design provides clean indoor/outdoor transitions.
- The track sits in front of the fixed sidelight. Does not allow for opening sashes within the path of panel travel.
- Specific track design allows for easy cleaning and high performance against wind/ water pressure.
- Internal stacking door option is also available (see AL40 stacking door pg 25).

### SIZES

- Stacking door panels are 40mm thick, and sidelights are bead glazed externally for glass thicknesses up to 28mm.

- Typical stacking panel limits are 2700mm height, however maximum sizes for stacking doors may vary by height, width, wind zone, and glazing requirement.

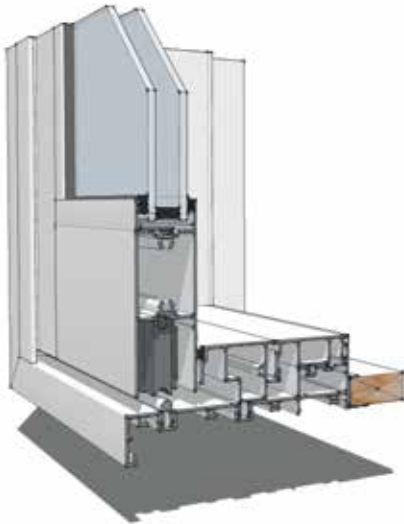
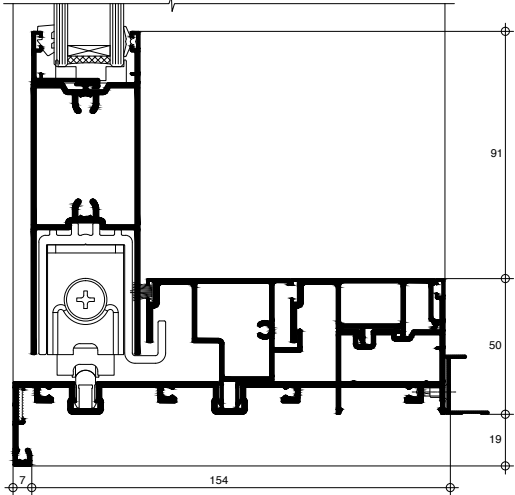
The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

- Door panels take up to 28mm IGUs.
- Panels available in beaded option only.
- Equal sightlines/glass are an option in fixed sidelights.
- Various optional mortise locksets for increased security.

# AL40 EXTERNAL STACKING DOOR

AL40



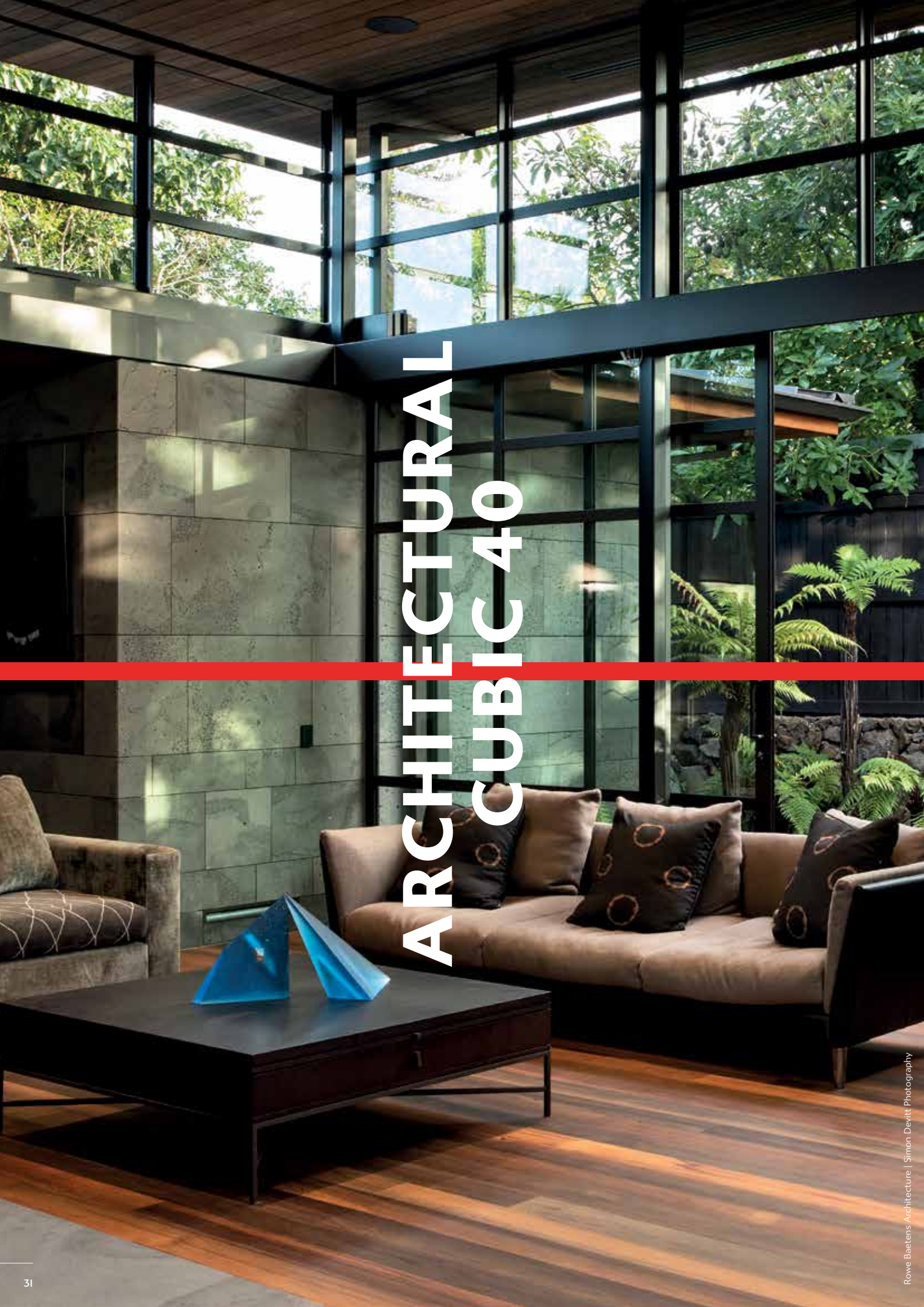
## CONFIGURATIONS



Configurations are examples only.



# ARCHITECTURAL CUBIC 40





## LARGER THAN NORMAL GLAZING CAPACITY.

- The combination of flush surfaces and square shapes give the AC40 suite a clean modern aesthetic. Designed for robust performance with a larger than normal glazing capacity to allow for modern design requirements and increased glass spans.

The AC40 range is as at home in a mid to high-end house as it is in a high rise apartment, hotel, commercial or industrial building and will turn your project from the ordinary to the extraordinary.

AC40 blends seamlessly with other Fairview Architectural ranges and our commercial product for maximum design advantages and optimum value.

## AC40

### APPLICATION

- High-end residential or architectural applications where quality durability and high performance are paramount.
- Suitable for mid to high-end homes, high rise apartments, hotel, commercial and industrial projects.
- Best when;
  - a modern, flat aesthetic is required
  - square stopped gib is required
  - direct through frame fixing is sought providing added structural integrity
- Can be integrated with Fairview Architectural range and our commercial product for maximum design advantages.







# FEATURES OVERVIEW



## MAXIMUM DESIGN ADVANTAGES AND OPTIMUM ECONOMIC VALUE.

- Full range of mullions and transoms including internal box stiffening or external fins.
- Heavy duty mullion options that can span up to 2700mm height.
- Square glazing beaded option for optimal aesthetic appearance.
- Hinged and bi-fold doors have 55mm thick heavy-duty panels.
- Sliding door panels can span up to 2700mm height, however maximum sizes for sliding doors may vary by height, width, wind zone, and glazing requirement.
- Hinged doors can be manufactured up to 2700mm height and 910mm width, and bi-fold doors up to 2700mm height and 1000mm width, in most situations. Bi-fold door sizes subject to wind zone.
- Bi-fold doors can be bottom rolling with the weight carried on the sill, or top hung when the lintel is designed to receive the panel loads.
- Available in 77mm or 119mm stile widths.
- Sliding doors have heavy-duty roller options for panels up to 300kg.
- Sliding/stacking doors can have unlimited and multi-directional panels that operate in a track system providing consistent sightlines.
- Optional anodised tracks for long term performance.
- Sashes can be added without expensive sub-frames.
- Condensation drainage channel with anti-blow-back valve for high water egress performance.
- Standard 19mm weather facing flange, 35mm flange option available for increased cladding cover.

### PRODUCT RANGE CONSISTING OF:

- Fixed, awning and casement windows
- Bi-fold windows (open-out)
- Sliding windows (horizontal)
- Hinged doors (both open-in or open-out)
- Bi-fold doors (bottom rolling panels up to 100kg)
- Sliding doors (internal or external sliding panels)
- Stacking doors (internal or external sliding panels)
- Over the wall sliding/stacking panels\*

\* Subject to site specific NZ4284 façade testing, as required by council.



## AC40 AWNING/CASEMENT WINDOW



### FEATURES

- Square, flat aesthetic with an optional 19mm flange, accommodating a range of sash and security locking options.
- Fixed glazing, 40mm glazing platform provides a glazing capability of up to 28mm.
- Up to 28mm IGUs in sashes.
- Insert window frame also available for replacement windows.
- Chair frame option (no flange).

### SIZES

- For compliance with NZS4211:2008 and the New Zealand building code, a security stay, safety latch, or restrictor may be required for certain sash sizes. Casement window height should be greater than twice window width.

The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

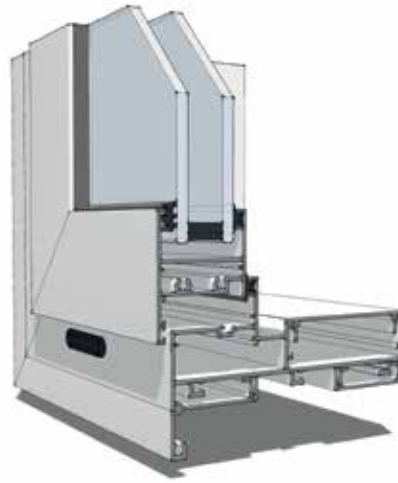
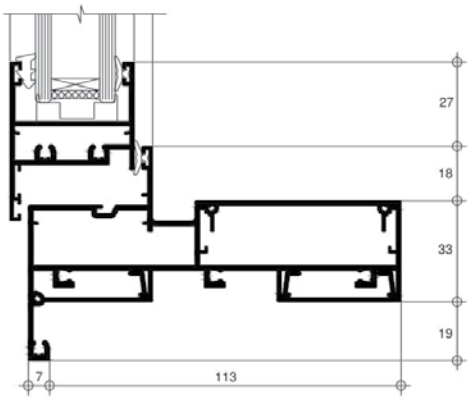
### GLAZING BEADS AND PANEL TYPES

- Pocketed sashes provide greater security and take up to 28mm IGUs.
- Flat overlay sash.
- Glazing beads available for glass thicknesses up to 28mm.



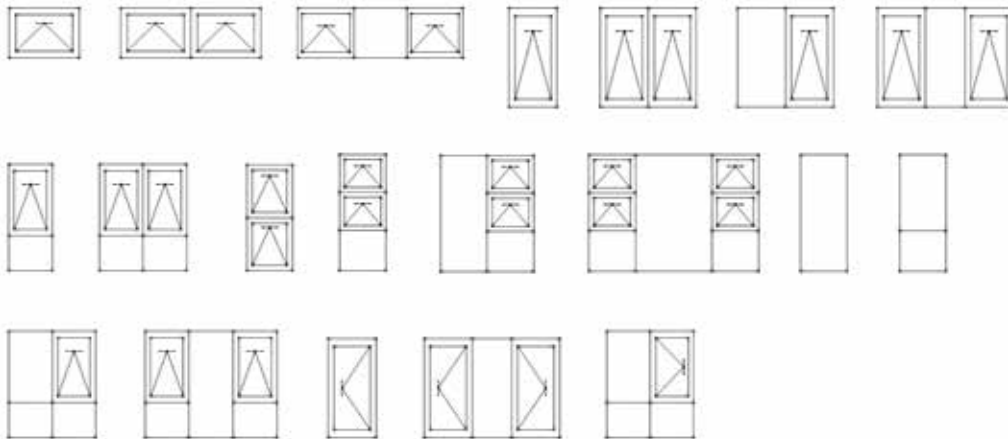
**AC40  
AWNING/CASEMENT WINDOW**

AC40



Optional flange shown.

**CONFIGURATIONS**



Configurations are examples only.

## AC40 BI-FOLD WINDOW



### FEATURES

- Square, flat aesthetic with an optional 19mm flange and 53mm sill.
- Bi-fold windows open-out and can be bottom rolling with the weight carried on the sill, or top hung when the lintel is designed to receive the panel loads.
- Panels take up to 28mm IGUs.
- Panels include torsional stiffening blocks for stronger panels.
- Freefold options are available. For some situations where the panel is required to open back against the wall.

### SIZES

- Bi-fold window panels are 55mm thick; bead glazed externally on all sides for glass thicknesses up to 28mm.
- Typical bi-fold panel limits are 1800mm height and 860mm width, however maximum sizes for bi-fold windows may vary by height, width, wind zone, and glazing requirement.

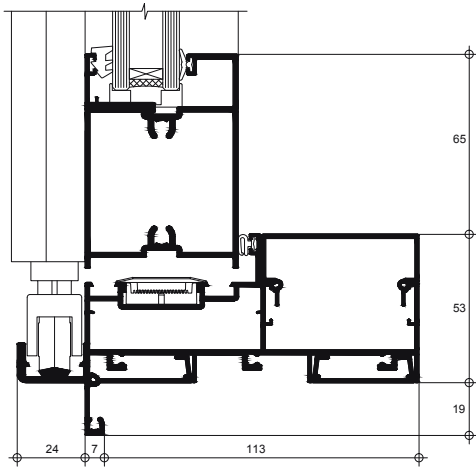
The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

- Standard stiles are 77mm.
- Rail options are 77mm and 119mm.
- Beaded panels standard.

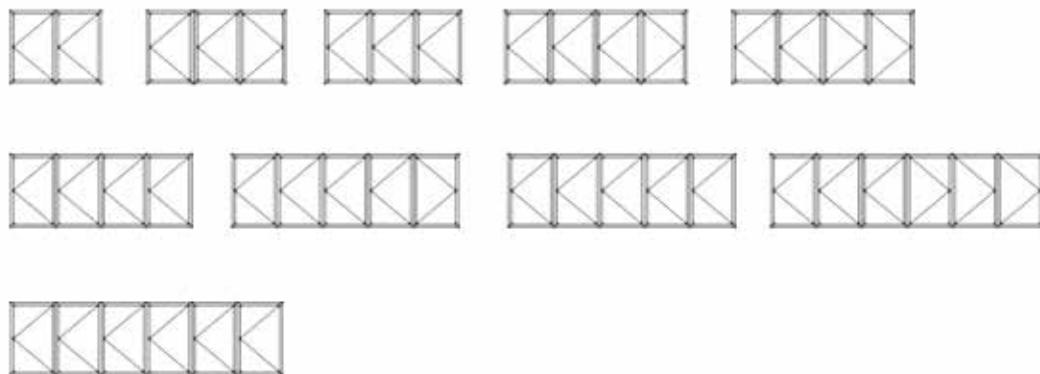
# AC40 BI-FOLD WINDOW

AC40



Optional flange shown.

## CONFIGURATIONS



Configurations are examples only.

## AC40 HINGED DOOR



### FEATURES

- Hinged doors are available in both open-out and open-in configurations.
- One-piece open-in and open-out frames with an optional 19mm flange and 53mm sill (which can be rebated into some floors).
- Beaded panels take up to 28mm IGUs.
- Panels include torsional stiffening blocks for stronger panels.

### SIZES

- Hinged door panels are 55mm thick; bead glazed externally on all sides for glass thicknesses up to 28mm.
- Typical hinged panel limits are 2700mm height and 910mm width, however maximum sizes for hinged doors may vary by height, width, wind zone, and glazing requirement.

The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

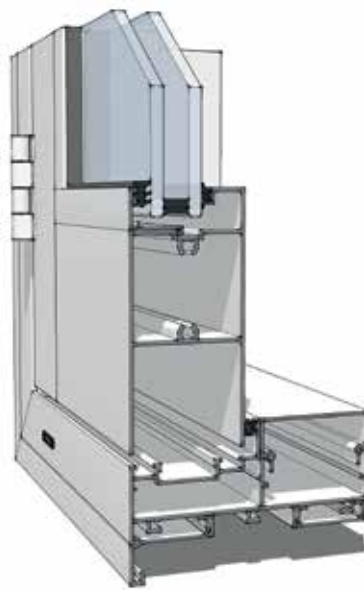
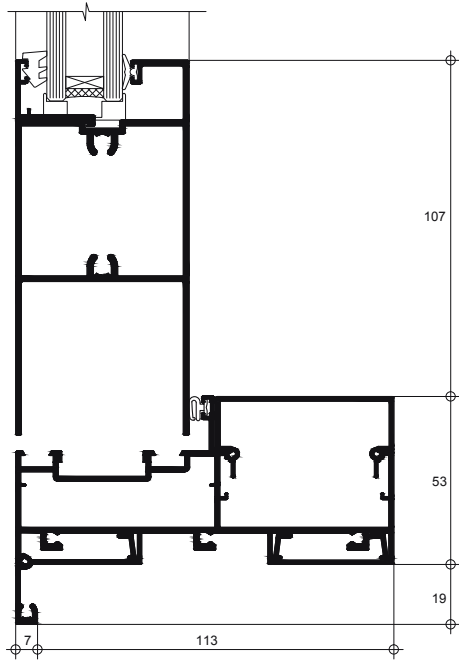
### GLAZING BEADS AND PANEL TYPES

- Standard stiles are 77mm.
- Rail options are 77mm and 119mm.
- Beaded panels standard.
- 2 and 4 point locking options available.



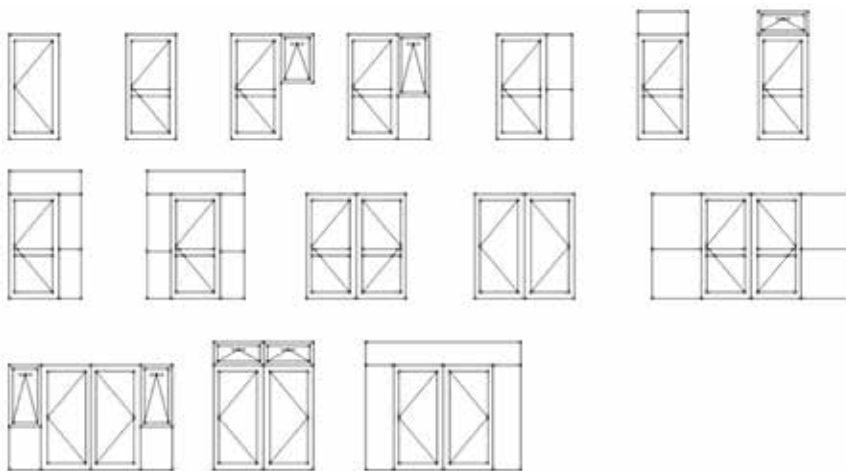
# AC40 HINGED DOOR

AC40



Optional flange shown.

## CONFIGURATIONS



Configurations are examples only.

## AC40 BI-FOLD DOOR



### FEATURES

- Square, flat aesthetic one piece open-out frames with an optional 19mm flange and 53mm sill (which can be rebated into some floors).
- Beaded panels take up to 28mm IGUs.
- Panels include torsional stiffening blocks for stronger panels.
- Top or bottom rolling gear options.
- Freefold are options available. For some situations where the panel is required to open back against the wall.

### SIZES

- Bi-fold doors open-out and can be bottom rolling with the weight carried on the sill; or top hung when the lintel is designed to receive the panel loads.

- Bi-fold door panels are 55mm thick; bead glazed externally on all sides for glass thicknesses up to 28mm.
- Typical bi-fold panel limits are 2700mm height and 910mm width, however maximum sizes for bi-fold doors may vary by height, width, wind zone, and glazing requirement.

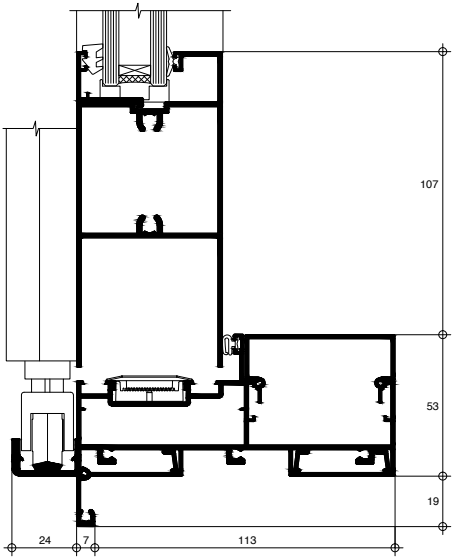
The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

- Standard stiles are 77mm.
- Rail options are 77mm and 119mm.
- Beaded panels standard.
- 2 and 4 point locking options available.

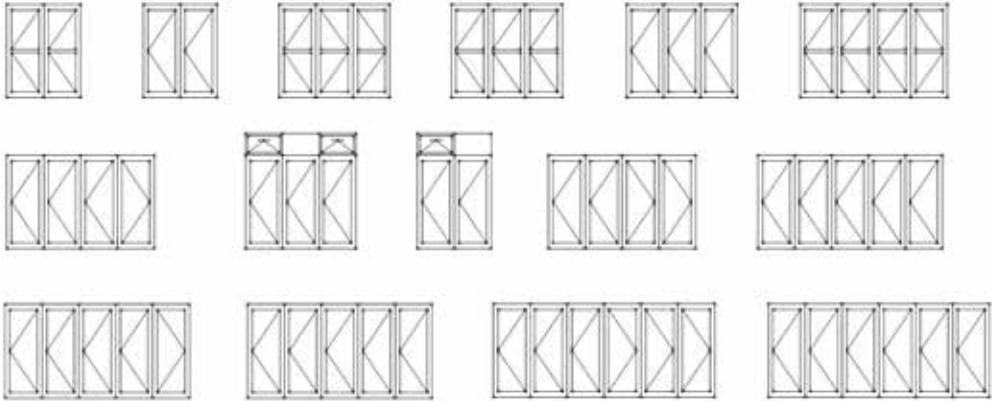
**AC40  
BI-FOLD DOOR**

AC40



Optional flange shown.

**CONFIGURATIONS**



Configurations are examples only.

## AC40 SLIDING DOOR



### FEATURES

- One-piece inside sliding door frames with an optional 19mm flange and 53mm sill (which can be rebated into some floors).
- Inside sliding panels allow optional opening sashes indoor sidelights.
- Panels sliding on the inside offer increased security.
- Up to 28mm glazed IGUs in both the panels and sidelights.
- Optional flush tracks allow for perfect indoor/outdoor transitions.
- Special track design allows frames to be stacked up, allowing for unlimited slider numbers and configurations.
- External sliding door option is also available (see AC40 External sliding door pg 47).

### SIZES

- Sliding door panels are 40mm thick, and sidelights are bead glazed externally for glass thicknesses up to 28mm.
- Typical sliding panel limits are 2700mm height, however maximum sizes for sliding doors may vary by height, width, wind zone and glazing requirement.

The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

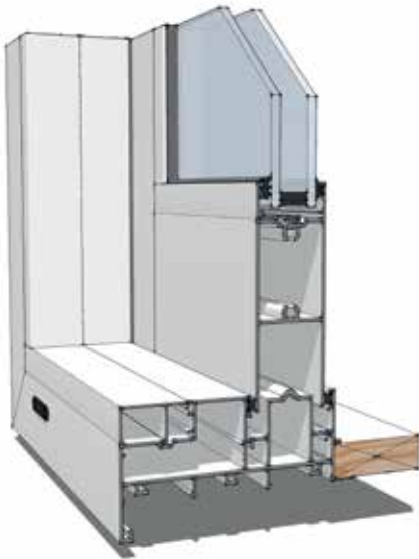
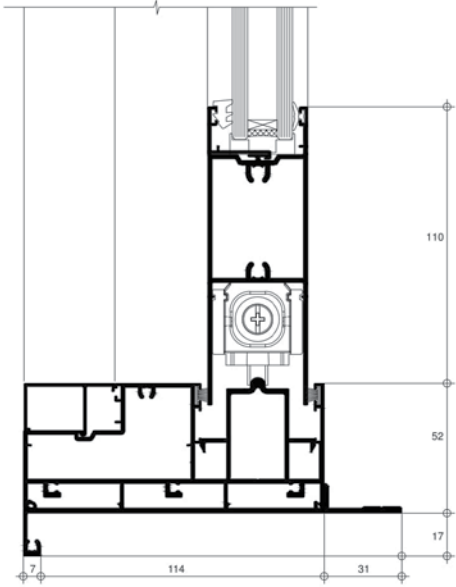
### GLAZING BEADS AND PANEL TYPES

- Door panels take up to 28mm IGUs.
- Panels available in beaded options.
- Equal sightlines/glass are an option in fixed sidelights. Alternatively, panelised options provide equal visual aesthetics.
- Various optional mortise locksets for increased security.



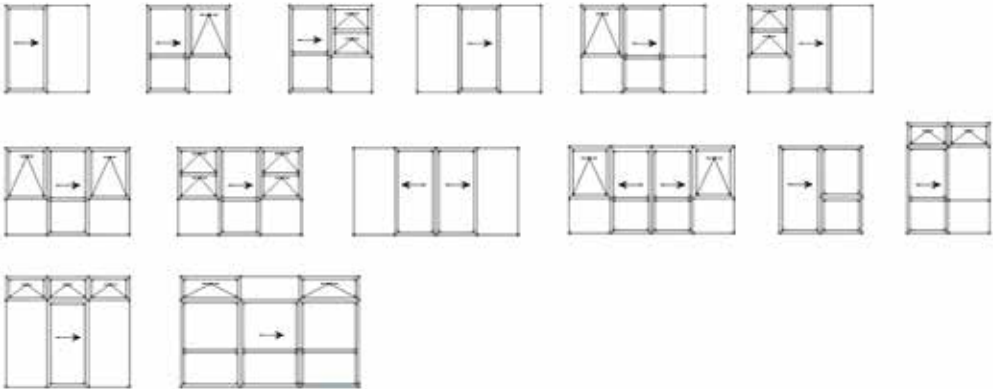
# AC40 SLIDING DOOR

AC40



Optional flange shown.

## CONFIGURATIONS



Configurations are examples only.

## AC40 STACKING DOOR



### FEATURES

- Inside stacking door frames with an optional 19mm flange and 53mm sill (which can be rebated into some floors).
- Inside sliding panels allow optional opening sashes indoor sidelights.
- Panels sliding on the inside offer increased security.
- Up to 28mm glazed IGUs in both the panels and sidelights.
- Optional flush tracks allow for perfect indoor/outdoor transitions.
- Special track design allows frames to be stacked up, allowing for unlimited slider numbers and configurations.
- External stacking door option is also available (see AC40 External stacking door pg 47).

### SIZES

- Stacking door panels are 40mm thick, and sidelights are bead glazed externally for glass thicknesses up to 28mm.
- Typical stacking panel limits are 2700mm height, however maximum sizes for stacking doors may vary by height, width, wind zone, and glazing requirement.

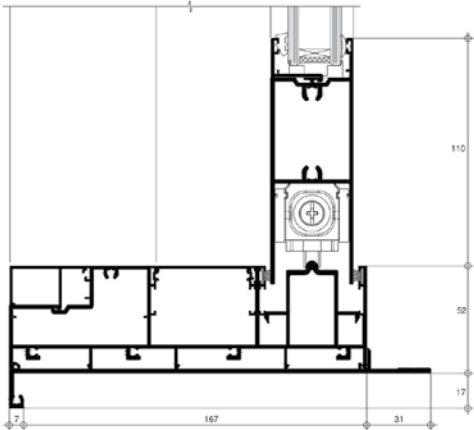
The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

- Door panels take up to 28mm IGUs.
- Panels available in beaded options.
- Equal sightlines/glass are an option in fixed sidelights. Alternatively, panelised options provide equal visual aesthetics.
- Various optional mortise locksets for increased security.

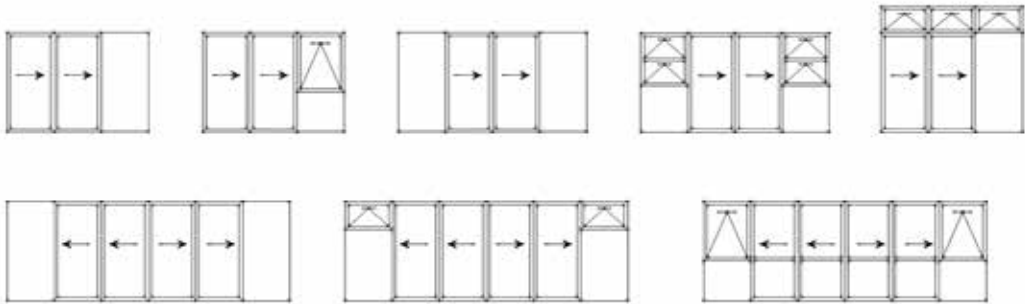
# AC40 STACKING DOOR

AC40



Optional flange shown.

## CONFIGURATIONS



Configurations are examples only.

## AC40 EXTERNAL SLIDING DOOR



### FEATURES

- One-piece outside sliding door frames with 19mm flange and 53mm sill (which can be rebated into some floors).
- Threshold design provides clean indoor/outdoor transitions.
- The track sits in front of the fixed sidelight. Does not allow for opening sashes within the path of door travel.
- Specific track design allows for easy cleaning and high performance against wind/water pressure.
- Internal sliding door option is also available (see AC40 Sliding door pg 43).

### SIZES

- Sliding door panels are 40mm thick, and sidelights are bead glazed externally for glass thicknesses up to 28mm.

- Typical sliding panel limits are 2700mm height, however maximum sizes for sliding doors may vary by height, width, wind zone, and glazing requirement.

The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

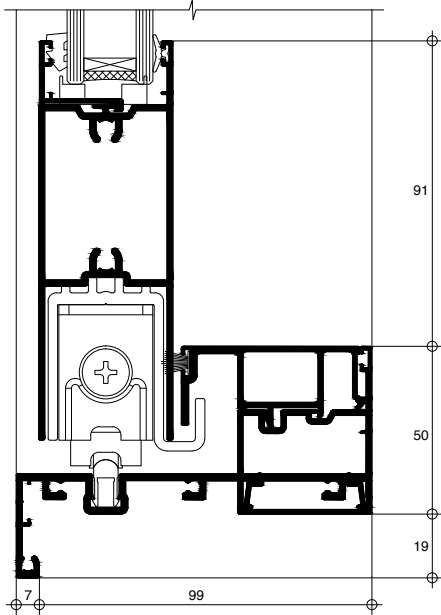
### GLAZING BEADS AND PANEL TYPES

- Door panels take up to 28mm IGUs.
- Panels available in beaded options only.
- Equal sightlines/glass are an option in fixed sidelights.
- Various optional mortise locksets for increased security.

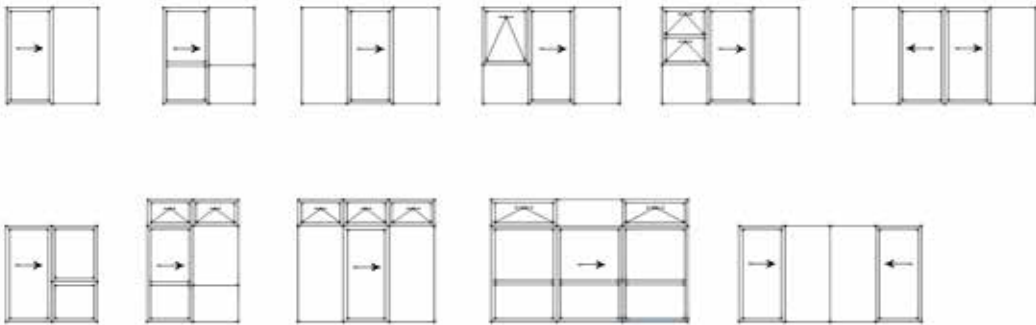


**AC40  
EXTERNAL SLIDING DOOR**

AC40



**CONFIGURATIONS**



Configurations are examples only.

## AC40 EXTERNAL STACKING DOOR



### FEATURES

- One-piece outside stacking door frames with 19mm flange (which can be rebated into some floors).
- Threshold design provides clean indoor/outdoor transitions.
- The track sits in front of the fixed sidelight. Does not allow for opening sashes within the path of door travel.
- Specific track design allows for easy cleaning and high performance against wind/ water pressure.
- Internal stacking door option is also available (see AC40 Stacking door pg 45).

### SIZES

- Stacking door panels are 40mm thick, and sidelights are bead glazed externally for glass thicknesses up to 28mm.

- Typical stacking panel limits are 2700mm height, however maximum sizes for stacking doors may vary by height, width, wind zone, and glazing requirement.

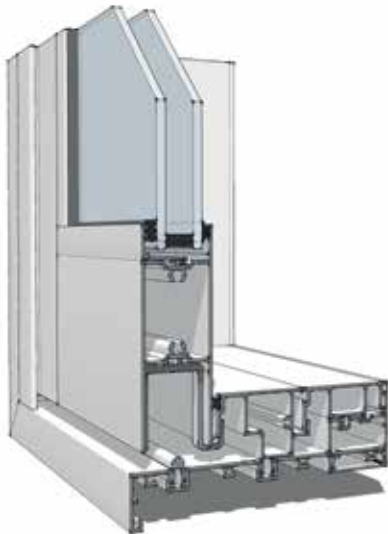
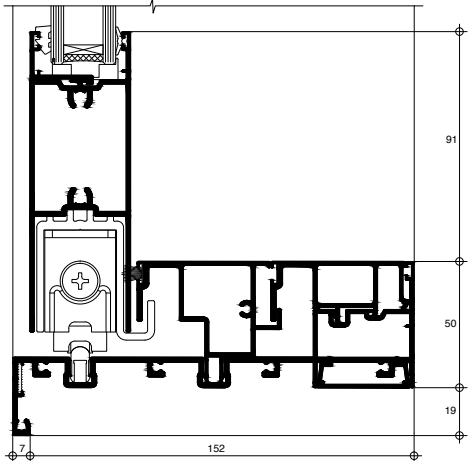
The Fairview Architectural Advisors or your local Fairview fabricator can advise whether a configuration is possible.

### GLAZING BEADS AND PANEL TYPES

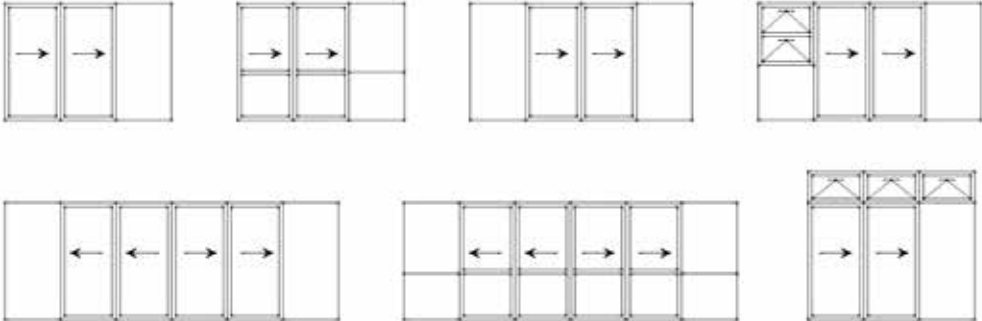
- Door panels take up to 28mm IGUs.
- Panels available beaded options only.
- Equal sightlines/glass are an option in fixed sidelights.
- Various optional mortise locksets for increased security.

**AC40  
EXTERNAL STACKING DOOR**

AC40



**CONFIGURATIONS**



Configurations are examples only.





# ACCESSORIES & FINISHES



## STYLISH, DURABLE & TOUGH.

- Huge range of standard and non-standard powdercoat colours available.
- Anodising provides a matt metallic finish. Standard colour options are silver, black and bronze, 20 and 25 micron thickness, and are subject to a site-specific warranty.
- EUROWOOD™ range has a timber look. Available in a range of wood-grain finishes.

### POWDERCOAT FINISHES

- Powdercoating is one of the most durable colour-coatings available. It's a baked on coating that is available in a wide range of colours.
- With 36 standard colours to choose from, (and 300+ colour range available) it is a popular choice.
- We powdercoat our windows and doors using our own facilities, accredited to WGANZ Enduro Colour Powdercoating Quality Standards, so we know they are built to last.
- Powdercoat products come with a 15-year guarantee\*

AkzoNobel – Partnering up with world-class business to ensure we deliver outstanding quality and trusted outcomes.

### ANODISED FINISHES

Anodising uses an anodic oxide coating to bring out unique colours within the metal of the frame. The result is a stylish, matt metallic finish that's durable and tough wearing.

### EUROWOOD™

Eurowood™ has the warm look and feel of timber, without the associated maintenance issues – no swelling, warping or rotting, and no need to paint. There's a range of woodgrain finishes to select from. Eurowood can also be used on front doors for an eye-catching entrance.

## FINISHES, COLOUR & ENTRY DOORS

### INTERPON BRIGHTS

- Perfect for a bold entrance with dramatic visual effect, the Brights range offers a vibrant selection of UV stable colours. Ultra-durable and weather resistant this premium powdercoating range by Interpon is backed by a global 10/15 year warranty\*.
- Suitable for both residential and commercial applications.

### ENVIRONMENTAL IMPACT

The environmental impact of our products is important to our customers, and it's important to us. That's why we take care to ensure our production processes are as sustainable as possible. Our powdercoatings don't contain Volatile Organic Compounds (VOCs), they are recyclable during the application, and they've been produced using a sustainable manufacturing process. Therefore they have a lower ecological footprint than most other coating alternatives, and our finishings are so durable that the need for replacement coatings is reduced.

### PLATINUM DOORS FRONT ENTRY DOORS

Platinum Doors are designed to be tough and endure the worst of what New Zealand's weather can throw at them. They won't split, swell or warp either – making tedious repainting a thing of the past. Supplied in standard sizes or custom built to meet your individual requirements, with glazed options in most designs and a large selection of powdercoat colours including woodgrain finishes.



[www.platinumdoors.co.nz](http://www.platinumdoors.co.nz)

\* See page 53.

## BUILT TO LAST.

Interpon D is a warranty-grade powdercoatings range engineered specifically for architectural aluminium applications.




This range includes several coating technologies designed to meet the various AAMA standards requirements.

## POWDERCOATING

### HOW TO SPECIFY INTERPON POWDERCOATINGS

Once you have chosen the interpon powdercoating suitable for your project, it's important to use the correct product. This is simply done in 3 easy steps.

1. Nominate the interpon product e.g. DI0000.
2. Nominate the colour, finish and product code e.g. Silver Cornet Satin GYI84C.
3. Add to your specification detail.

	INTERPON D2525 FUTURA	INTERPON D1010 PREMIUM COMMERCIAL	INTERPON D1010 PREMIUM RESIDENTIAL
			
WARRANTY LEVEL	Gold	Silver	Silver
FILM INTEGRITY WARRANTY	25 years	15 years	15 years
COLOUR RETENTION WARRANTY	15 years	10 years	15 years
WAGNZ	✓	✓	✓
AAM 2603		✓	✓
AAM 2604	✓		
NEW ZEALAND BUILDING REGULATIONS	A	A	B
COATING TECHNOLOGY	TGIC-Free Ultra Durable Polyester	TGIC-Free Durable Polyester	TGIC-Free Durable Polyester
ENVIRONMENTAL CREDENTIALS	Eligible for Green Star points	Eligible for Green Star points	Eligible for Green Star points

A = Suitable for all classes. Any building, any height. All NZ3604 Zones B, C & D.

B = Suitable only for Clause A1 of the New Zealand Building Regulations, domestic residential buildings of classified uses, class 2.0 housing and Class 7.0 outbuildings. Up to 3 levels in height. All NZ3604 Zones B, C & D.

## WINDOWS AREN'T JUST PART OF YOUR PROJECT'S FRAMEWORK.

- Fairview are pioneers in total window system supply, adding an extensive selection of glass options to our aluminium frame offerings in 2009. Our combined expertise delivers optimum solutions through our national fabricator network.

Windows are not just part of a home's framework. They can add light and life, warmth and beauty. That's why choosing the right glass is so important.

The right glazing options for a home and the costs involved will depend on a number of things. Factors like lifestyle, climate, noise levels and where your windows are positioned need to be considered.

## GLASS

Fairview window and door solutions work to make a home more comfortable. When you combine our exceptional windows and doors with the optimum insulated glass selection, you'll have a living environment that feels 'just right', all year round.

For glass options visit [www.fmiglass.co.nz](http://www.fmiglass.co.nz)

fmi  
GLASS

## GET TO KNOW YOUR GLASS

- **LOW-EMISSIVITY (LOW-E) GLASS**  
Glass with an almost invisible coating contained on the inside pane of an insulated glass unit (IGU). This coating lets the sun's light and energy inside and reflects heat indoors, forming a shield against the cold. In warmer climates, low-e glass can be used to keep the heat out.
- **U-VALUE**  
The measure of air-to-air heat transfer through glass and the difference between the indoor and outdoor temperatures. The lower the U-value, the lower the heat transfer and the better the insulation.
- **R-VALUE**  
The thermal resistance of the total window system (including glass, spacer and joinery type). The higher the R-value, the less heat that is lost through the system and the better the insulation.
- **SHADING CO-EFFICIENT**  
The ratio of total solar heat gain through a particular glass type compared to the total heat gain through 3mm clear glass. The lower the shading co-efficient, the more the glass restricts the transfer of solar heat.
- **VISIBLE LIGHT TRANSMISSION**  
The percentage of visible light transmitted through the glass. The higher the VLT, the more natural light enters the room.
- **ARGON**  
A noble gas used inside a double or triple glazed unit. It restricts the transfer of heat and provides greater insulation. It is often used with Solace Low-E glass.

## INSULATED GLASS UNIT (IGU)

Windows with an IGU can help you halve your heat loss compared to single-glazed windows of the same size and shape.\*

IGU's can add value to your property, using the right glass combination to reduce noise, glare, fading of furnishings and increasing your security and comfort.

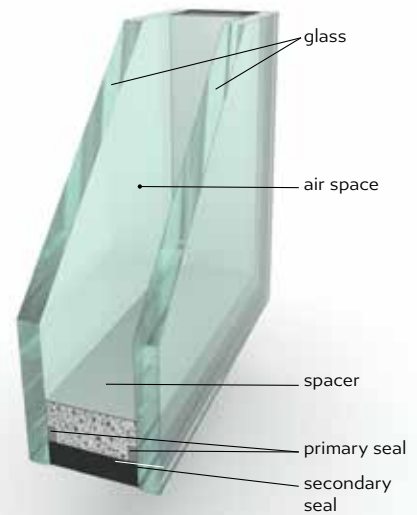
An IGU is made of two or more glass panes with sealed air spaces around the perimeter. The sealed air spaces can be filled with an insulating gas like argon.

This allows almost as much sunlight to filter through compared to a single-glazed window, but the heat will be held in more effectively.

Spacers separate the glass panes to reduce condensation and can create a 'warmer edge' to your windows and doors, allowing you to make the most of your living space and live closer to the view you love.

\* Smarter Homes website. Smart Guide, Glazing and Glass Options.

INSULATED GLASS UNIT

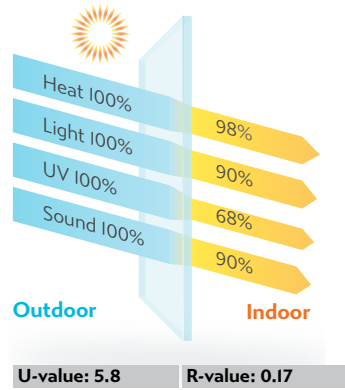




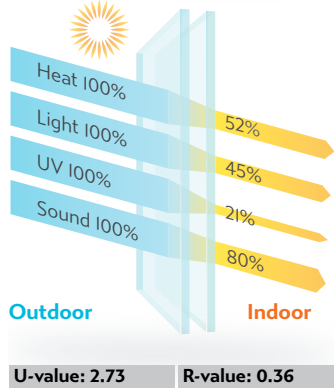


# THERE'S A LOT MORE TO GLASS THAN MOST PEOPLE THINK.

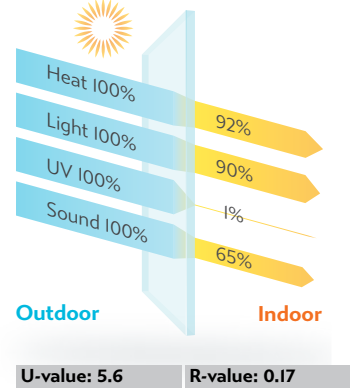
**CLEAR GLASS**  
Single glazed 4mm clear



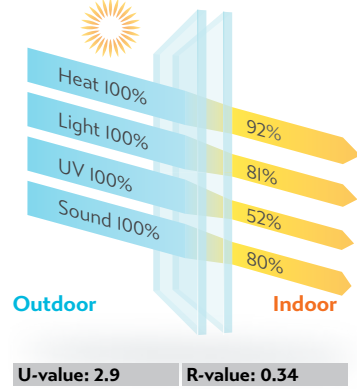
**TINTED GREY & CLEAR GLASS\***  
5mm tinted grey, 12mm air, 4mm clear glass



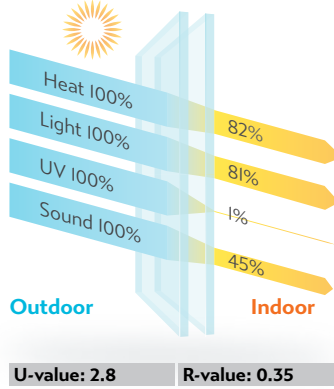
**LAMINATED GLASS**  
Single glazed 6.38mm clear laminated



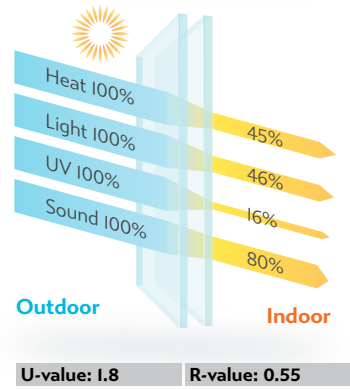
**CLEAR GLASS & CLEAR GLASS**  
4mm clear glass, 12mm air, 4mm clear glass



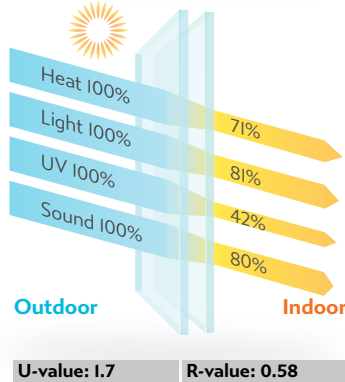
**CLEAR LAMINATED & CLEAR GLASS**  
6.83mm clear laminated glass, 12mm air, 4mm clear glass



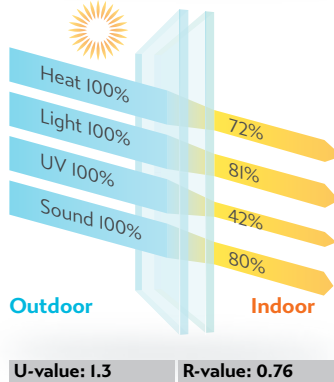
**TINTED GREY & LOW-E GLASS\***  
5mm tinted grey, 12mm air, 4mm low-e glass



**CLEAR & LOW-E GLASS**  
4mm clear glass, 12mm air, 4mm low-e glass



**CLEAR, ARGON & LOW E GLASS**  
4mm clear glass, 12mm argon, low-e glass



\* The use of tinted or reflective glass leads to higher absorption of solar radiant heat, this results in higher thermal stress which may lead to fracturing of the glass pane. Heat strengthened or toughened glass may be required. Talk to your Fairview fabricator for more information.

A&F

# MAKE THE CHOICE EVEN EASIER.

## GLASS

To make the choice even easier, we've developed this handy checklist – simply compare the benefits to select the perfect glass solution for your project.

\* Tinted windows only provide privacy during the day, not at night when internal lights are switched on.

A&F

WISH LIST	SOLACE LOW-E GLASS	TOUGHENED GLASS	LAMINATED SAFETY GLASS	LAMINATED ACOUSTIC GLASS	TINTED GLASS	PATTERNED / OPAQUE GLASS
A WARMER HOME	■					
A COOLER HOME IN SUMMER	■				■	
MINIMISE CONDENSATION	■					
LESS NOISE			■	■		
REDUCE FADING OF FURNISHINGS & ARTWORK	■		■	■	■	
REDUCE GLARE					■	
KEEP YOUR FAMILY SAFE		■	■			
MORE PRIVACY					■ *	■





**SOLACE LOW-E**

Solace Low emissivity (low-e) glass has an almost invisible coating that covers the inside pane of glass. This coating lets the sun's light and energy into a home and reflects the heat back indoors, creating a shield against the cold. Add an insulating gas like argon and it can keep in even more warmth.

Solace Low-e cuts down heat loss through windows by about 20-30% compared to insulated glass alone.\*\*

How does this help? One benefit is that you can live closer to windows and doors, maximising living space.

By changing the location of the low-e coating for warmer climates, low-e glass can be used to keep the heat out too.

**SAFETY GLASS**

Safety glass has extra features that make it less likely to break, or help it to break in a less dangerous way, keeping families safe and sound.

\*\* EECA Energywise website. Double glazing.

There are two types of safety glass to choose from: toughened and laminated. You'll want to think about where and how glass is being used before deciding which type is best.

**TOUGHENED GLASS**

Toughened safety glass has undergone heat treatment to make it stronger overall. If this glass does break, it breaks into small pieces, reducing the risk of injury.

**LAMINATED GLASS**

Laminated safety glass is made by applying a plastic interlayer between two (or more) panes of glass. It's much harder to break through and won't shatter like normal glass. Instead it 'spiderwebs' from the centre because the interlayer holds it all in place.





## GLASS

### TINTED GLASS

The sun brings light and warmth to a home, but it can also fade furnishings, carpets, curtains and artwork. Tinted glass decreases the amount of UV, visible light and heat that passes through windows, to reduce fading of your precious things.

Tinted glass is made by adding metal oxides during manufacturing, reducing glare from outside and decreasing the amount of solar heat that reaches through the glass.

#### TIP

- Grey tints have low light transmission, reduce solar heat and glare.
- Bronze tints reduce solar heat and glare and offer more visible light.
- Green tints offer better solar performance and superior light transmission.



### SOUND REDUCING

Whether it's from traffic or neighbours, noise can be stressful and irritating. Acoustic laminated glass (sound reducing glass) is an excellent solution for homes that are close to busy roads, or anywhere that noise might be an issue.

Acoustic laminated glass reverberates sound waves back to where they came from and also absorbs the noise energy within the glass. Insulated glass units can also improve sound absorption and reduce the noise coming into a home. Using thicker insulated glass or combining insulated and acoustic laminated glass will give the best noise protection and the most comfort in a home.

#### TIP

*The type of glass needed will depend on the type of noise. Traffic noise requires a thicker single pane of glass, but acoustic laminates are better for other types of noise.*



## DOOR HARDWARE.

■ Design elevates the functional to the sublime. Clever design is unobtrusive, yet distinct. Beautiful design delights the senses, challenges us and inspires joy every day.

The Schlage Verta Series consists of bi-fold operator, flush pull, sliding door pull handles, hinged door lever furniture, high and low profile window fasteners, and matching euro cylinder escutcheon.

## SCHLAGE VERTA WINDOW & DOOR HARDWARE

Interior door hardware is also available, allowing a seamless look inside and out.

With a substantial 25 year finish and 10 year mechanical warranty, the Schlage Verta Series is an investment in quality and style for now and the future.

- Classic design with precision engineering
- Suitable for internal and external use
- Constructed from marine grade 316 stainless steel



## SCHLAGE KANSO WINDOW & DOOR HARDWARE

- The Schlage KANSO Series is a contemporary door and window range with clean lines and crisp edges, offering a modern look with minimal styling, for maximum impact.
  - Full suite of exterior door and window hardware
  - Matching interior furniture available with QuickFix technology
  - Harmonious design throughout the range

- Locally engineered and tested
- Powdercoated to match your joinery
- Features a 10 year mechanical warranty

The Schlage KANSO Series consists of sliding door pull handles, flush pull, sliding door locks, euro cylinder escutcheon, bi-fold operator, hinged door lever furniture and high and low profile window fasteners.



## SCHLAGE STELLA WINDOW & DOOR HARDWARE

■ Bold strong lines and subtle curves make the Schlage Stella Series ergonomic and stylish, accenting any architectural look. The Schlage Stella range is a full suite of products to complement your decor.

The Schlage Stella Series consists of high and low profile window fasteners, hinged door lever furniture, sliding door pull handles and locks, flush pull, bi-fold operator and euro cylinder escutcheon.

- Full suite of door and window hardware
- Locally engineered and tested
- Powdercoated to match your joinery
- Features a 10 year mechanical warranty





# CARE AND MAINTENANCE.

## ■ WINDOWS & DOORS

Fairview products comply with all regulatory requirements and are tested in an international accredited laboratory, and comply with international accreditation NZS ISO IEC 17025:1999. 15 year powder coating warranty on colour integrity and 1m integrity for use in most residential environments (excludes commercial, high-rise and marine usage). In addition to these standards, there are some simple steps that you can take to ensure the longevity of your new doors and windows.

Post construction and installation it is essential that your joinery, hardware and glass be cleaned to make sure that building dust and debris is removed and to ensure that any drainage holes are not blocked. Cleaning should include the removal of any build up indoor tracks, to ensure that drainage paths remain clear. This cleaning should be repeated every three months, and more frequently in coastal or industrial environments.

We recommend cleaning with a soft brush and warm water containing a mild household detergent. Rinse with fresh water to remove any detergent residue.

Do not use abrasive steel wool, scourers, scrapers or aggressive solvents, as these may damage the finish.

## GLASS

Care must be taken when cleaning glass to avoid scratching or marking. Use only recommended glass cleaning products, and rinse with fresh water after their use.

We recommend washing the glass down with water before cleaning to loosen any dirt.

When cleaning double glazed units, make sure that solvents do not come into contact with the edge laminate or unit sealant.

Avoid cleaning the glass in direct sunlight.

