

Take your design to new heights...

ElevateTM

Aluminium Systems



Welcome to Elevate™

™

Premium window and
door solutions to take your
ideas to new heights.

Design the way you've always wanted with Elevate™ Aluminium Systems.

COVER: ARCHITECT SW Architects WINDOWS MJ Aluminium PHOTOGRAPHY Sam Noonan

THIS PAGE: ARCHITECT Turner. WINDOWS Architectural Aluminium PHOTOGRAPHY Brett Boardman



Offering enormous design flexibility through our innovative selection of cutting edge commercial systems, Elevate™ Aluminium Systems raise the bar for what's possible in commercial and high-end residential window and door design.

Designed and manufactured in Australia, the Elevate™ range of windows and doors enable wide, bold panels with impressive panel heights that are customised to your unique requirements.

Tested to meet the demands of Australia's harsh environment, commercial grade profiles and hardware ensure reliable, smooth operation for a variety of applications and combine with streamlined and efficient framing solutions to inspire great architectural outcomes.

Take your ideas to new heights with Elevate™ Aluminium Systems.

Contents.

Why Elevate?	02
Energy Efficiency	03
Your Climate	04
Choose Your Style	06
System Portfolio	09
Windows	10
Doors	26
Commercial ThermalHEART™	38
Commercial Framing	42
Additional Features	50
Colours & Finishes	56
Glass Selection	60
Hardware	62
Solutions & Tested Systems	68
Typical Configurations	72
Inspiration & Case Studies	74
The Elevate™ Network	80

Why Choose Elevate™?

Designed and manufactured in Australia, Elevate™ offers Architectural, Commercial and Thermally Broken Commercial framing systems tested to deliver the strength, versatility and aesthetic appeal required for extra large panel sizes and bold framing systems, often preferred in high-end residential and large format building applications.



Australian Made

Designed, extruded and assembled locally, Elevate™ windows and doors are 100% Australian. Manufactured for you by local craftspeople from our nationwide network of manufacturers.



Big Bold Panels

Elevate™ windows and doors can be made big! Taller and wider than many others on the market, perfect to frame a special view, let the outdoors in and maximise natural light.



Fully Concealed Framing

The Elevate™ range's European inspired designs deliver excellent energy performance, flush threshold transitions and uninterrupted, clear glass sightlines for the ultimate in aesthetic appeal and weather performance.



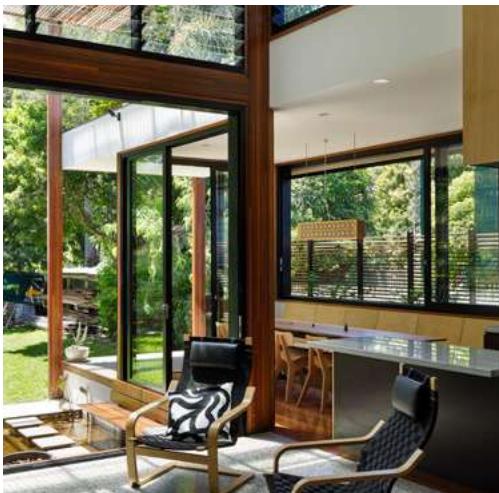
Strength & Versatility

Elevate™ windows are designed and tested for strength and versatility for use in large format window and door applications to ensure confidence in the reliability of even our largest framing systems in any environment.

Energy Efficiency

The right windows and doors make a huge difference to your building's comfort and energy efficiency.

High-performing windows and doors can make heating or cooling your home simpler and more cost effective, saving money on expensive electricity and gas. Although they are much larger framing systems, Elevate™ window and door systems are WERS-rated and tested to make choosing the right product as simple as possible to deliver comfort and performance in any environment.



Correct Installation and Placement

3

To get the highest energy efficiency from your windows and doors, it's important that they are installed by a qualified professional, and located in the best position to take advantage of natural cross ventilation, light and solar heat gain in both summer and winter.

WERS rated

WERS is the Window Energy Rating Scheme for windows and doors in Australia. It uses a 10-star system to rate the annual energy impact on a home, based on its U-value and Solar Heat Gain Coefficient (SHGC). The more stars, the better.



U-values

U-values are the measure of how much heat is transferred through a window or door. The lower the U-value the more efficient it is at keeping the heat or cold out.

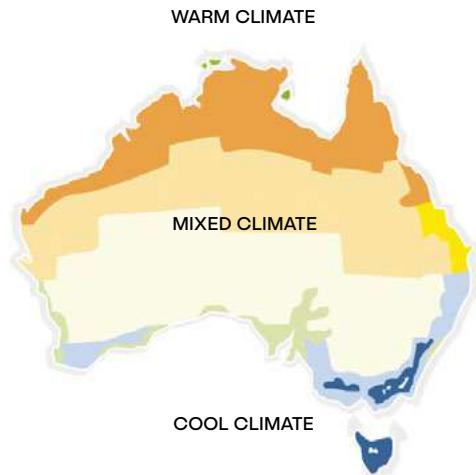
Solar Heat Gain Coefficient (SHGC)

SHGC measures how much solar radiation passes through a window or door. In a cool climate, a high SHGC will allow more solar heat to enter your home.

What Climate Are You In?

Did you know there are eight different climate zones in Australia as identified in the National Construction Code (NCC)?

Matching your windows and doors to your climate zone allows you to achieve the highest energy efficiency in your window and door selection.



Warm Climate

CLIMATE ZONES 1, 2 AND 3.



It's usually warm and you expend a lot of energy on cooling your home. The aim is to minimise the need for air-conditioning and reduce your energy usage. Look for products with a low SHGC and low U-value. You might also like to consider windows with large openable areas for cross flow ventilation.

Thermally broken framing systems break the transfer of warm, outside air through the window frame, preventing it from heating the inside of the building.

SUITABLE FRAMES INCLUDES:

- Standard Aluminium
- Double Glazed
- ThermalHEART™



Mixed Climate

CLIMATE ZONES 4 AND 5.



Outside air temperature varies significantly throughout the year. The goal is to keep heat out in summer and allow as much in as possible during winter.

Look for products with a medium SHGC and low U-value. You might also like to consider season-specific shading, and windows with large openable areas for cross flow ventilation.

SUITABLE FRAMES
INCLUDES:

- Double Glazed
- ThermalHEART™

Cool Climate

CLIMATE ZONES 6, 7 AND 8.



It's usually cool and artificial heating can expend a lot of energy if you regularly heat your home. The goal is to keep heat within the home and maximise solar energy input in cooler months. Look for products with a high SHGC and low U-value and consider season-specific shading on windows.

As used in warm climates, thermally broken framing systems insulate the interior of the window or door frame from the outside environment for a highly energy efficient framing solution.

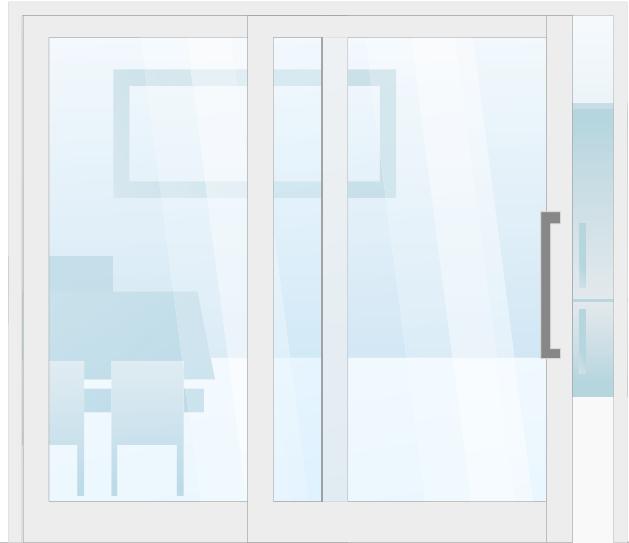
SUITABLE FRAMES
INCLUDE:

- ThermalHEART™

6

Choose Your Style

Elevate™ offers four dedicated product ranges. To keep it simple, each style is colour coded for you to select the perfect framing solution for your taste and application.

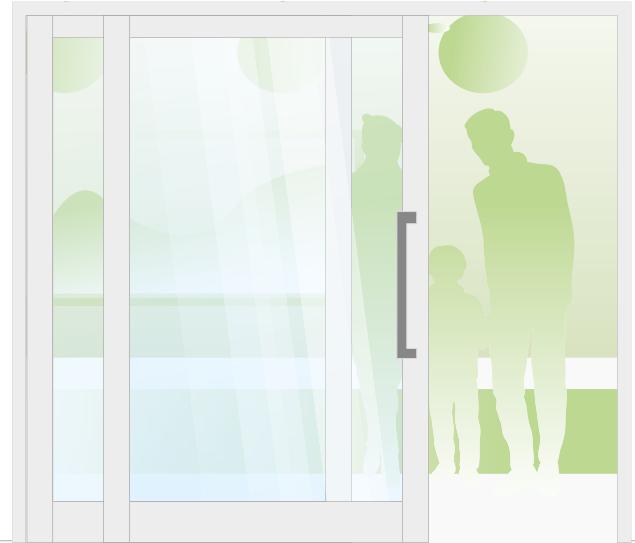


Architectural Series

Strong, bold, stylish profiles for commercial architectural projects.

The Architectural Series of high-performance windows and doors is both modern and meticulous in design. Its shapes reflect the designer preference for clean, flush surfaces, continuous sightlines and square-edge 'cubist' forms.

Designed for strength and versatility, the Architectural Series facilitates the large format windows and doors increasingly favoured by architects.



Commercial Series

Dedicated, high-performance window and door systems.

These systems were developed for use in commercial, institutional and light industrial applications, and often find their place in high-end residential homes by offering economical, high-performance glazing solutions that meet and exceed building standards for large openings.

Commercial Series window and door systems can be used in conjunction with Commercial Framing and Architectural Series systems to achieve style and function for the perfect glazing solution.

Commercial ThermalHEART™

State-of-the-art, high-performance, energy efficient framing.

Australia's largest range of high-performance, thermally broken framing systems developed in direct response to growing environmental concerns and the need for energy efficient systems in commercial applications.

ThermalHEART™ aluminium frames are up to 33% more thermally efficient than standard double-glazed windows and doors, delivering increased occupant comfort and offering the option for dual colour finishes to adapt frames to interior and exterior building colour schemes.

Choose Your Style

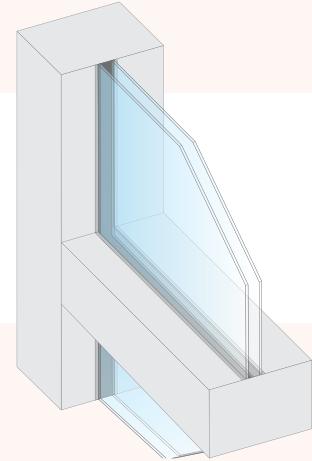
Commercial Framing

Innovative framing solutions for commercial and residential applications.

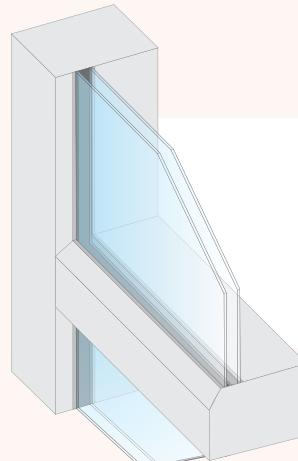
The Elevate™ Commercial Framing range includes CentreGLAZE™, FrontGLAZE™ and FaceLINE™ framing systems designed to meet the ever-growing needs of the commercial building sector.

Available in 80mm, 102mm, 150mm and 225mm platforms and designed to accept double glazing, Elevate™ Commercial Framing incorporates strong, bold profiles for glazing across large spans.

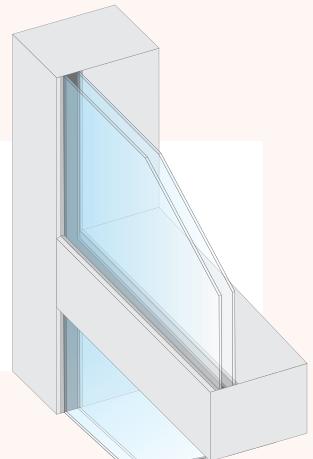
CentreGLAZE™



FrontGLAZE™



FaceLINE™



System Portfolio

Commercial Series

- 442 Stacking Sliding Door
- 452 Sliding Window
- 453 Double Hung Window
- 456 Awning Window
- 461 Apartment Sliding Window
- 471 Apartment Sliding Door
- 50 Commercial Door (Single Side Beaded)
- 51 Light Commercial Door
- 52 Commercial Door (Double Side Beaded)
- 642 Stacking Sliding Door (150mm)

Commercial Framing

- 105 Office Partitioning
- 600 Wide Offset Framing
- 80 Narrow Offset Framing

FrontGLAZE™

- 406 FrontGLAZE™ (102mm)
- 426 FrontGLAZE™ (102mm) Double Glazed
- 606 FrontGLAZE™ (150mm)
- 626 FrontGLAZE™ (150mm) Double Glazed
- 936 FrontGLAZE™ (225mm) Double Glazed

CentreGLAZE™

- 400 CentreGLAZE™ (102mm)
- 424 CentreGLAZE™ (102mm) Double Glazed
- 620 CentreGLAZE™ (150mm)
- 624 CentreGLAZE™ (150mm) Double Glazed

FaceLINE™

- 407 FaceLINE™ (102mm)
- 607 FaceLINE™ (150mm)

Architectural Series

- 410 FoldMASTER™ Bi-fold Door
- 411 ViewMASTER™ Bi-fold Door (Top Hung)
- 412 ViewMASTER™ Bi-fold Door (Bottom Rolling)
- 417 LouvreMASTER™
- 462 Sliding Window (Double Sash)
- 463 Double Hung Window
- 464 ClearVENT™ Double Hung Window
- 466 Awning Window
- 467 Awning Window with Truth™
- 468 Awning Window with Truth™ (100mm)
- 650 Hinged Door
- 662 Sliding Window (150mm)
- 668 Awning Windows with Truth™ (150mm)
- 701 Sliding Window
- 702 SlideMASTER™ Sliding Door (External Sliding)
- 704 SlideMASTER™ Sliding Door (Internal Sliding)
- 704B SlideMASTER™ Sliding Door (Bottom Rolling)
- 704R SlideMASTER™ Sliding Door (Recessed)
- 704T SlideMASTER™ Sliding Door (Top Hung)
- 704FBR SlideMASTER™ Sliding Door (Flush Bottom Rolling)
- 704FTH SlideMASTER™ Sliding Door (Flush Top Hung)
- 704LS SlideMASTER™ Sliding Door (Lift Slide)

Commercial ThermalHEART™

- 804 CentreGLAZE™ Framing (100mm)
- 806 CentreGLAZE™ Framing (150mm)
- 824 FrontGLAZE™ Framing (100mm)
- 826 FrontGLAZE™ Framing (150mm)
- 831 E3 Bi-fold Door
- 832 F3 Bi-fold Door
- 852S Sliding Door
- 852H Hinged Door

ELEVATE WINDOWS





Fill your home with abundant fresh air and natural light with the extra large, high-performance window systems from Elevate™.

Large glass spans, stronger frames and a variety of contemporary styles, deliver window solutions specifically designed for large residential and commercial projects.

Choose from a range of Architectural and Commercial styles to achieve the unique look and functionality you desire.

Designed to achieve exceptional weather performance, Commercial grade profiles and hardware ensure reliable, smooth operation for use across a wide range of applications for years to come.

Awning Windows

Commercial awning window systems are a popular choice for large project applications due to their strength, versatility and ease of use. They also offer compatibility with the larger Commercial and Architectural framing suites where common frame edges and architectural detailing is paramount.

Elevate™ high-performance awning windows incorporate extra strong frames and sashes suitable for carrying large glass spans to maximise your view, while delivering outstanding strength and weather resistance, making them an ideal choice in high wind load areas and apartment applications.

You can even integrate flyscreens, electric chain winders and, for extra large sashes, ask us about Truth™ hardware. This scissor winding mechanism provides excellent strength and secures the large sash tightly against the frame when closed.

AVAILABLE AS:

Architectural Series

Commercial Series

Commercial ThermalHEART™





Casement Windows

Elevate™ high-performance casement windows feature extra strong frame sashes to carry large glass spans to maximise natural light and views.

Outstanding strength and weather resistance makes them ideal for use in high wind load areas or where maximum light and ventilation is required.

Casement windows offer excellent energy performance when double glazed.

Splayed or square beading options are available giving you the flexibility to select the perfect look for your project. Square beads offer a flat, modern look, complemented by the clean, square edge styles of Architectural framing, whilst splayed beads provide a more traditional finish.

A range of latch and locking mechanisms are available. For very large casement windows, Truth™ hardware is the ideal choice. The winder mechanism combined with multi-point jamb latching provides excellent strength and secures the large sash tightly against the frame for excellent weather sealing.

AVAILABLE AS:

Architectural Series

Commercial Series

Commercial ThermalHEART™





Sliding Windows

Fall in love with the smooth lines and unobtrusive beauty of our stunning sliding windows. From basic residential sliding windows incorporated into commercial framing, to dedicated high-performance, heavy-duty commercial systems for the ultimate in performance and strength, Elevate™ has the right product to suit your project.

Choose from a grand range of single or double opening panels and double glazing to minimise noise and reduce heat and cold transfer.

Elevate™ sliding windows are available in a variety of framing options to suit almost any application. Residential sliding sashes in dedicated CentreGLAZE™ commercial framing deliver a complementary finish, whereas Architectural Series sliding windows offer a bold, clean, square aesthetic suitable for high-end residential or commercial applications.

Extra large 225mm framing options are available and our Series 701 sliding windows are the ideal choice to complement the high performance Elevate™ SlideMASTER™ sliding doors. Elevate™ Sliding windows are compatible with exterior security screens for peace of mind, or flyscreens to keep out the bugs.

AVAILABLE AS:

Architectural Series

Commercial Series





Double Hung Windows

Looking for a touch of elegance? A traditional favourite, the Elevate™ double hung window systems are sharp, clean and bold, ideal for use in architecturally designed or period style homes.

Suitable as a practical addition to commercial and industrial buildings, they deliver excellent ventilation plus there'll be no unsightly protrusions over your deck or walkway.

The bold frames and sashes accommodate 20mm double glazing for excellent thermal efficiency, while the Architectural Series are also designed to allow the window to pivot inwards to make cleaning a breeze.

AVAILABLE AS:

Architectural Series

Commercial Series





Sashless Double Hung Windows

The ClearVENT™ sashless window is all about luxury. With its frameless design, you can say goodbye to stiles and rails that get in between you and your glorious view. Two panels of glass slide silently past each other within aluminium guides which fit neatly into the perimeter frame. Flyscreens can be easily attached without the need for unsightly rivets or turnbuckles.

Incorporate into Elevate™ Bi-Fold and Sliding Door panels for the ultimate in unobstructed views, ventilation and lifestyle versatility.

AVAILABLE AS:

Architectural Series

Commercial Series





Sun Control Shutters

Maximise your home's privacy and comfort with the amazing LouvreMASTER™ sun control shutter.

Choose between fixed or moving panels on hinged, sliding or bi-fold doors for great ventilation.

Say goodbye to unsightly facades.

LouvreMASTER™ has fully operable blades designed so all the louvres move together for a symmetrical finish around the entire panel, delivering premium ventilation and a symmetrical facade to your building.

Developed in Australia, LouvreMASTER™ shutters are compliant with AS2047 (wind and proof load) making them suitable for use in high wind environments.

AVAILABLE AS:

Architectural Series

Commercial Series





Custom Windows

Elevate™ offers the ultimate flexibility in design through our wide range of window framing systems.

Now there is no need to compromise on your dream design.

Whether you want curved, raked or any other unusually shaped window, we can make them to your specific requirements.

No job is too big or too small for our Australia-wide manufacturer network.





ELEVATE DOORS





Elevate™ aluminium doors are an excellent choice for your home or building project.

Our wide range of high-performance doors are designed to be made big and bold. Strong aluminium profiles allow you to achieve fantastic panel sizes, maximising views and creating an excellent connection to the great outdoors.

Custom-made to suit your individual project requirements, every door, including our 90-degree corner opening, stacking, bi-fold and cavity sliding doors can be made big and bold and are tested to achieve exceptional weather and strength performance in large residential and commercial projects throughout Australia.

Commercial grade profiles and hardware ensure even our largest doors deliver reliable and smooth operation for years to come.

Sliding Doors

Elevate™ SlideMASTER™ doors are our largest format sliding door systems, delivering the ultimate in strength, performance and style for large, wide openings and unobstructed views.

Strong frame and sash designs deliver an elegant finish in both residential and commercial applications.

SlideMASTER™ sliding doors can be fully customised to suit your design aesthetic.

Configure as multi-panel or cavity sliders; corner sliding, where doors meet at a 90° junction for an uninterrupted connection with the outdoors; top hung configurations for effortless operation of very large sliding door panels; or fully concealed framing options, where the frame is hidden creating a clear glass sightline for a truly stylish architectural finish.

Elevate™ sliding doors are also available in the ThermalHEART™ range for maximum energy efficiency and can be screened using traditional or Centor® Retractable Screens.

AVAILABLE AS:

Architectural Series

Commercial Series

Commercial ThermalHEART™





SlideMASTER™ Sliding Doors



A solution for any application

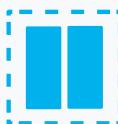
As demand for taller and wider glazing panels increases, so does the demand for high-performing, energy and accessibility compliant sliding doors to meet the design objectives.

The SlideMASTER™ series from Elevate™ continues to evolve, offering a comprehensive range of commercial sliding doors to meet the compliance requirements of almost any application.



Big Bold Panels

Our largest panel size sliding door systems. Maximise views and connect seamlessly to the outdoors without sacrificing energy and weather performance.



Fully Concealed Framing

European inspired designs deliver excellent energy performance, flush sills and uninterrupted, clear glass sightlines for the ultimate in aesthetic appeal and weather performance.



Flush Sills

Seamlessly connect indoor and outdoor living spaces and maintain compliance for accessibility.



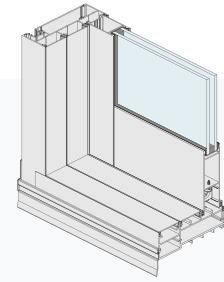
Australian Made

Designed, extruded and manufactured by Australians for Australian conditions and tested to meet and exceed Australian Standards.



A Solution For Any Application

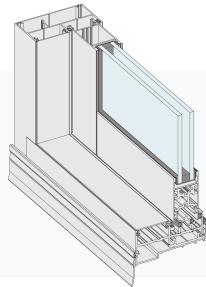
From the market leading Series 704 SlideMASTER™, to our flagship, fully recessed doors with concealed framing and outstanding energy efficiency, the SlideMASTER™ range of doors can offer a high-performance solution to meet your unique design and performance requirements.



Series 704 SlideMASTER™ Sliding Door

Built to withstand even the harshest Australian climate, Series 704 can be designed in a variety of configurations including 90-degree corner doors.

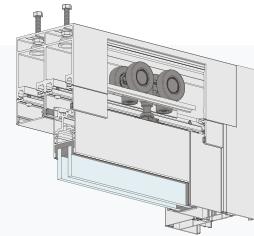
The 704 is compatible with FrontGLAZE™ framing for a smooth, sleek finish to the building's facade. These sliding doors can be also fitted with Centor® or standard flyscreens.



Series 704B SlideMASTER™ Bottom Rolling Sliding Door

Designed for applications where a minimal sill is preferred. The low line sill – only 35mm high – can be recessed into the floor for a smooth, accessibility compliant transition between inside and outside living spaces. For exposed locations an optional high performance sill can be used.

Heavy duty rollers ensure smooth operation and omit the requirement for overhead lintel support for large panels.

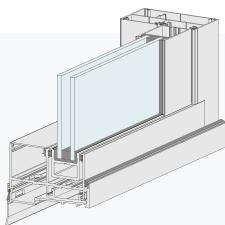


Series 704T SlideMASTER™ Top Hung Sliding Door

A seamless transition from inside to outside, this door has been specifically designed to comply with disability access regulations and minimise the risk of trips and falls. The unique “top hat” sill insert prevents heels, walking sticks and other objects from becoming stuck in the sill.

The top hung design allows even the heaviest doors to glide effortlessly on the fully adjustable, top hung rollers.

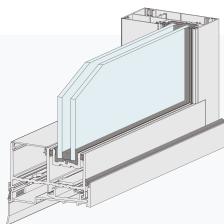
Series 704R
SlideMASTER™
**Recessed
Sliding Door**



With recessed bottom rails, this elegant SlideMASTER™ door has all the hallmarks of a European inspired sliding door system with the benefit of being designed for Australian building conditions and environments.

The recessed bottom rail creates clear glass sightlines for a truly stylish finish while the top hung design allows even the largest panels to slide effortlessly on fully adjustable, top hung rollers.

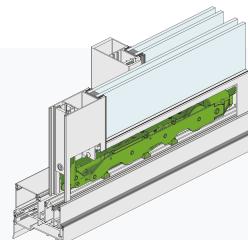
Series 704FBR
SlideMASTER™
**Flush Bottom Rolling
Sliding Door**



The 704FBR is our most energy efficient sliding door. The head, sill and jambs are fully concealed in the building envelope to deliver uninterrupted glass sightlines around the entire frame.

It is available in a range of configuration options including single and double sliding panels, bi-parting doors and corner sliding door. The 704FBR is compatible with Centor® screens and high-performance FrontGLAZE™ framing.

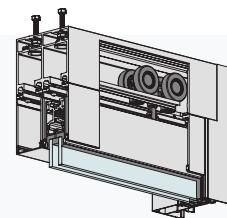
Series 704LS
SlideMASTER™
**Lift Slide
Sliding Door**



The revolutionary lift-and-then-slide action is achieved by simply turning the ergonomic lever handle to engage the roller carriages under the door panel. The carriages then lift the door off its weather seal, allowing even the largest panels to slide effortlessly along the track.

The bulb seal design is tested and manufactured in Australia, to all relevant Australian Standards and offers exceptionally high wind and water resistance.

Series 704FTH
SlideMASTER™
**Flush Top Hung
Sliding Door**



Incorporating the same European design cues from the 704FBR, the 704FTH sliding door is a top hung variation offering effortless movement of even the largest sliding door panels.

The head, sill and jambs are fully concealed in the building envelope to deliver uninterrupted views and is more than a match for our harsh climate. The 704FTH is compatible with high-performance FrontGLAZE™ framing.

Hinged Doors

Elevate™ Aluminium hinged doors provide a stylish and modern look to maximise natural light and views. Elevate™ Hinged door suites deliver durability, exceptional weather performance and style even in high traffic applications.

Built on a 50mm frame, Elevate™ hinged doors are up to 40% stronger than industry standard 44mm frames, allowing thicker glass or double glazing and true inline French door meeting stiles.

For increased comfort and energy efficiency throughout your home or building, ThermalHEART™ technology can also be applied to Elevate™ hinged door systems.

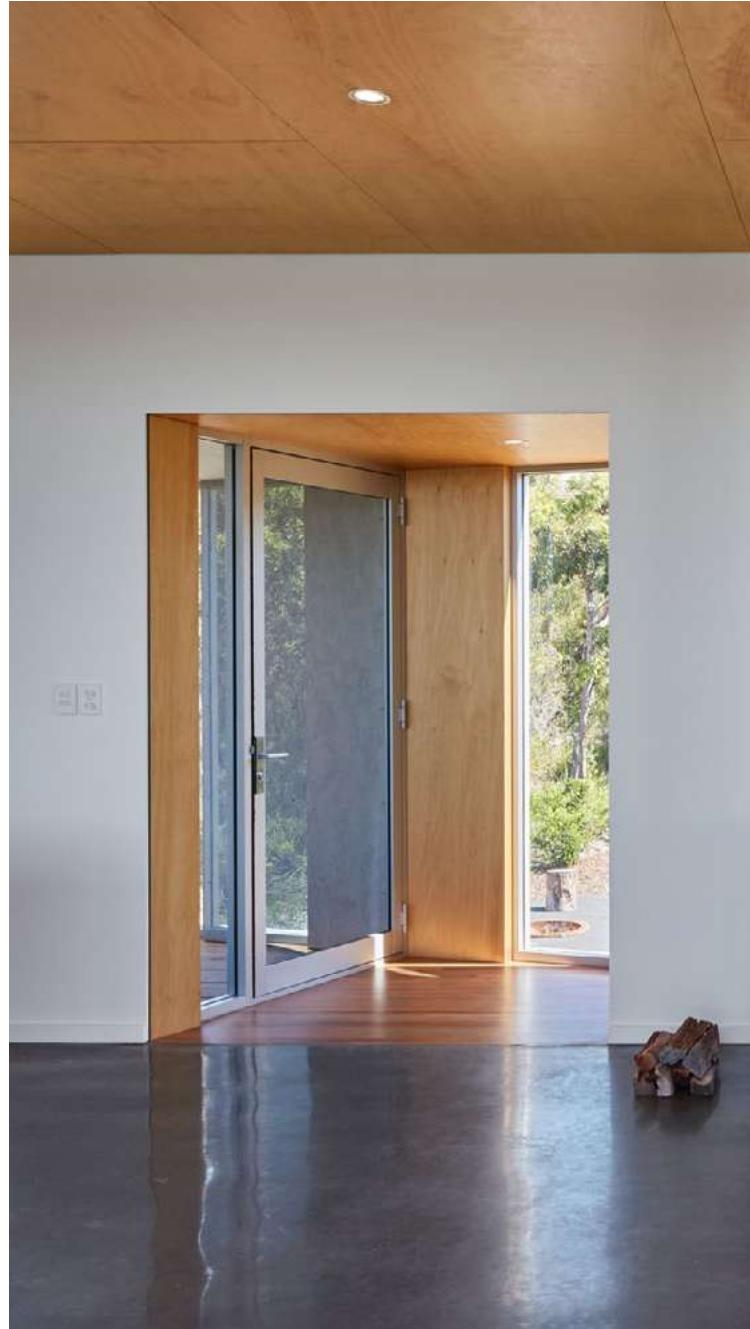
Clever sill drainage and backing seals make this range perfect in any weather. And if security is your priority, check out our exclusive range of ANDO™, ICON™ and MIRO™ hardware.

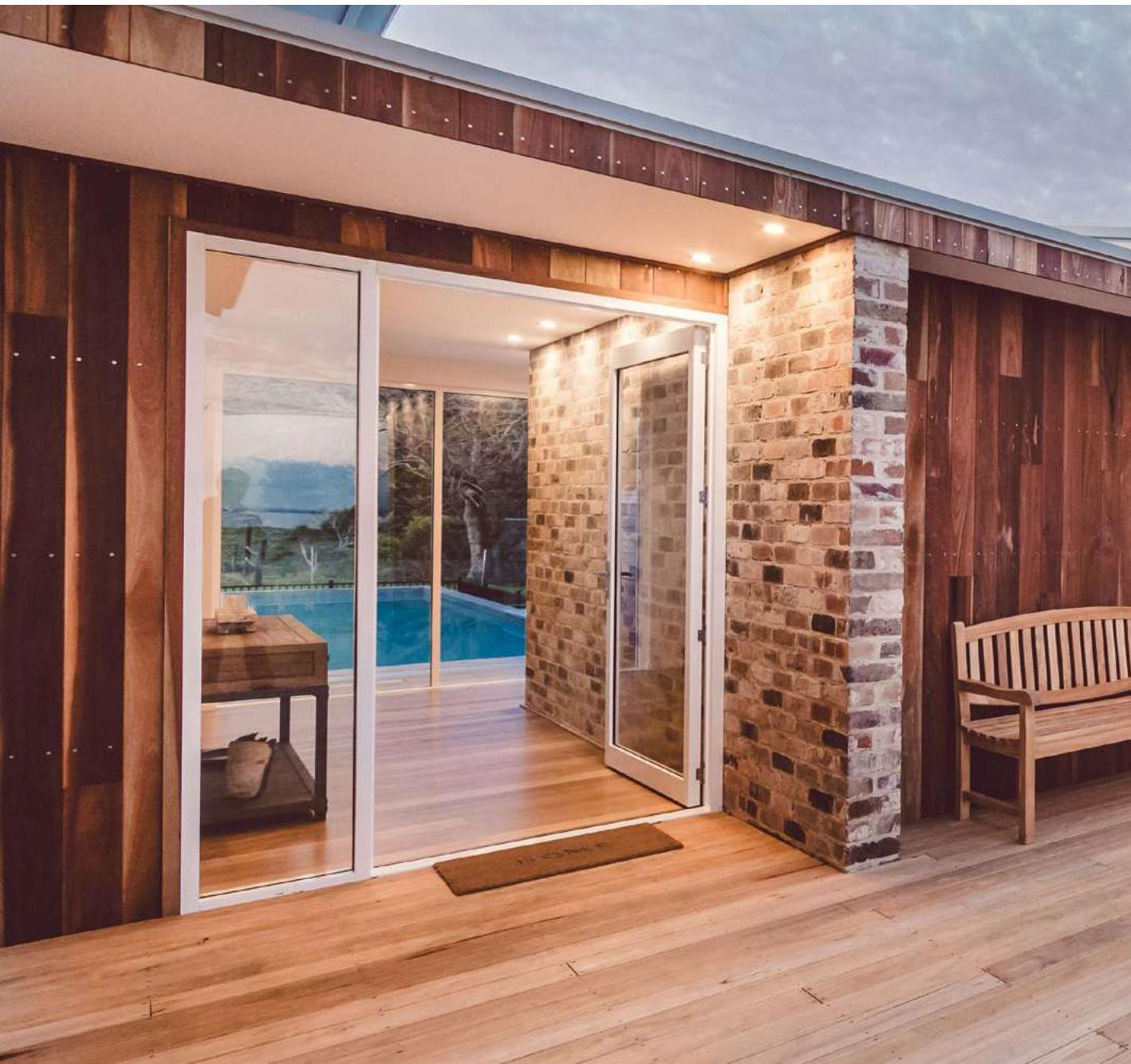
AVAILABLE AS:

Architectural Series

Commercial Series

Commercial ThermalHEART™





Pivot Doors

Bold, aluminium pivot doors make a truly impressive architectural statement and are an ideal choice for high-end architectural homes or commercial building projects.

All Elevate™ Hinged doors can be incorporated into a Pivot door application, offering a massive 3000mm height and the ability to accept 24mm thick insulating glass.

Commercial grade hardware ensures reliable and smooth operation across a wide variety of applications for years to come.

AVAILABLE AS:

Architectural Series

Commercial Series

Commercial ThermalHEART™





French Doors

Practical and stylish, French doors are a beautiful addition to your home or outdoor area. They're also great for opening smaller rooms onto decks and alfresco dining areas.

Double glazing options combined with ThermalHEART™ technology provide a uniquely stylish, durable and energy efficient solution to an otherwise traditional door design.

Optional parliament hinges allow doors to be opened 180° back against a wall for total design flexibility.

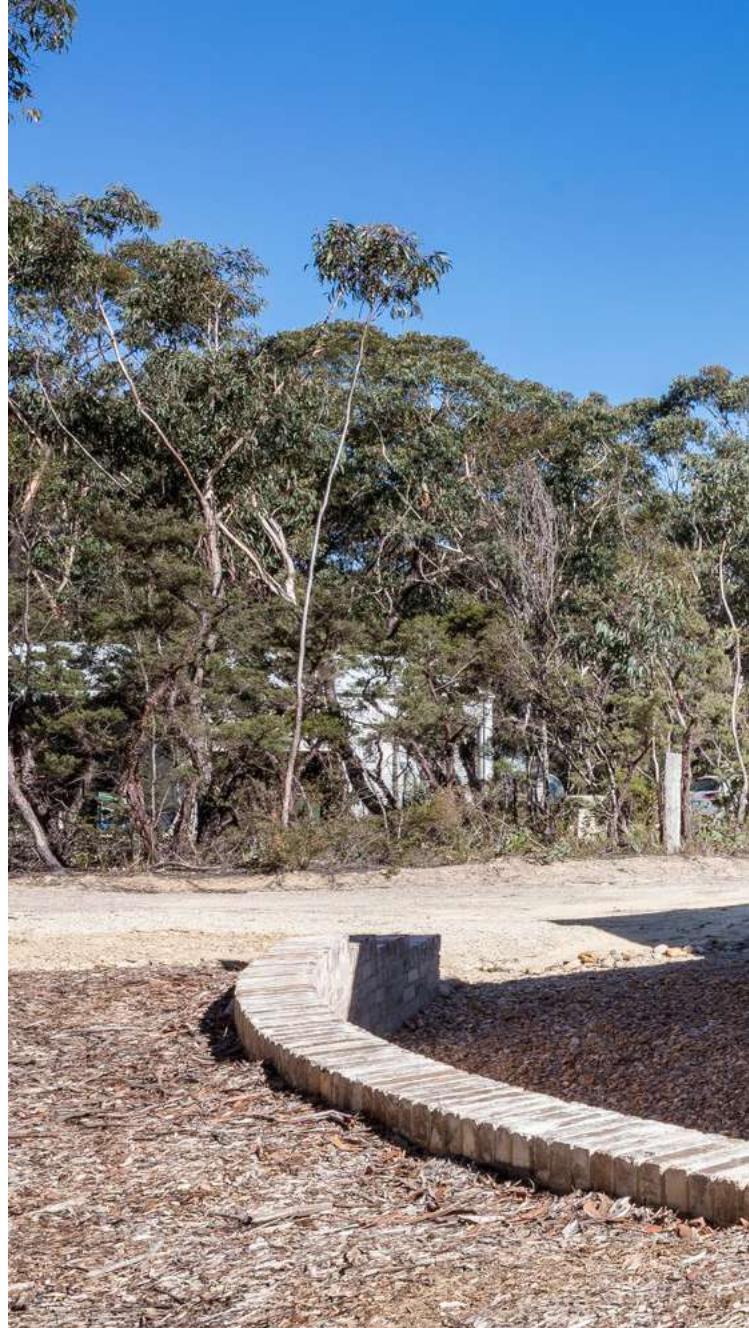
If security is your priority, check out our exclusive range of ANDO™, ICON™ and MIRO™ hardware.

AVAILABLE AS:

Architectural Series

Commercial Series

Commercial ThermalHEART™





Bi-fold Doors

Achieve a true alfresco lifestyle with the Elevate™ range of bi-fold doors. Incredibly strong and designed to accommodate wide span panels up to 3000mm high, Elevate™ bi-folds offer simply breathtaking floor to ceiling views in any application.

Elevate™ bi-fold doors are successfully tested to resist high level water penetration, offering amazing flexibility connecting internal and external environments anywhere throughout Australia.

Ideal for use in commercial and residential applications, Elevate™ top hung and bottom rolling bi-fold door systems combined with ThermalHEART™ technology deliver maximum energy efficiency and occupant comfort.

Security doesn't mean compromise. A variety of lever and lock options are available including multi-point and lever compression locking for added security.

Combine with Centor® retractable screens to keep insects at bay while you enjoy your outdoor lifestyle.

AVAILABLE AS:

Architectural Series

Commercial Series

Commercial ThermalHEART™





Commercial ThermalHEART™

Exclusive to AWS, ThermalHEART™ technology delivers up to 51% better energy performance in commercial building applications than standard aluminium, single-glazed commercial framing, with the ability to achieve huge heights and spans and accept heavy commercial glazing up to 28mm thick.

Designed, tested and manufactured in Australia for Australian conditions, ThermalHEART™ thermally broken commercial aluminium framing systems include CentreGLAZE™, FrontGLAZE™, hinged, pivot and sliding door systems.

How does it work?

ThermalHEART™ consists of a polyamide insulator or thermal break inserted between the aluminium exterior and interior elements, giving you outstanding insulation performance between the external and internal environment reducing condensation.

Why do I need it?

Commercial ThermalHEART™ delivers up to 51% better energy performance than standard aluminium, single-glazed commercial framing.

Climatic variations can result in dramatic interior and exterior frame temperature variations leading to condensation build-up.

By insulating the interior and exterior frames from one another, ThermalHEART™ reduces condensation and the subsequent build-up of moisture, eliminating the potential for mould growth and potential building damage.



ThermalHEART™ Technology

- Insulated Glazing Units up to 28mm thick
- Polyamide strip creates a thermal break between the exterior and interior aluminium frames
- Dual Finish Technology
- Double glazing for optimal energy efficiency.



Hinged Doors

Designed with flat faces, these hinged doors feature squared corners and external glazing beads for a clean, contemporary look.

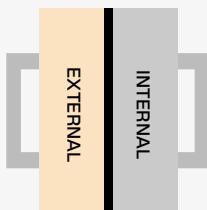


Sliding Doors

Get excellent thermal performance and stacking door configurations of up to four panels in each direction. The clean bold frame gives a modern aesthetic. You can even integrate flyscreens.

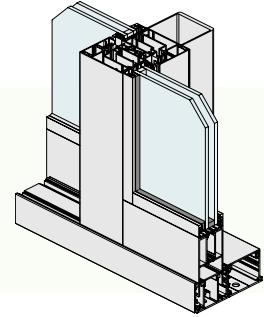
Dual Colour Technology

The unique thermal insulator joining method prevents heat/cold transfer across the frame while allowing a different choice in colour for internal and exterior styling.



A Comprehensive Range

To achieve excellent thermal performance, ThermalHEART™ systems incorporate an innovative polyamide insulator strip which separates the internal and external elements of the extrusion. We offer a comprehensive range of ThermalHEART™ systems to help you maximise efficiency and comfort in any project.

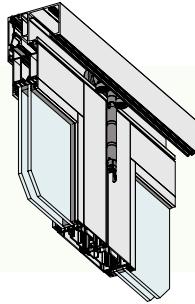


Series 852
Thermally Broken
**Commercial
Door**

Series 852 thermally broken doors are compatible with the full range of ThermalHEART™ commercial systems. Available as hinged, pivot and sliding panels.

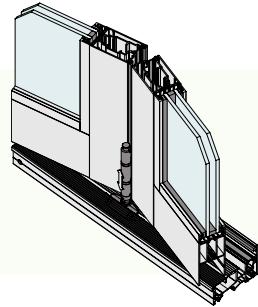
Dedicated hardware and a variety of sills have been developed for this system to maintain efficiency and minimise air infiltration. Screen doors can be fitted to Series 852 doors when fitted into Series 806 or 826 (150mm) frames.

Series 831
Thermally Broken
**Bi-fold Door
(Top Rolling)**



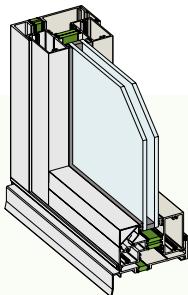
The Series 831 thermally broken, top hung bi-fold door has been designed to integrate with thermally broken CentreGLAZE™ and FrontGLAZE™ framing. The 50mm thick door panels accept IGUs up to 28mm and can achieve very large panel sizes. AWS Centor™ twin stainless steel roller bearings running in heavy duty dual overhead tracks support the door panels. The E3 rollers will support panels up to 80kg delivering consistently smooth operation.

Series 832
Thermally Broken
**Bi-fold Door
(Bottom Rolling)**



The Series 832 thermally broken, bottom rolling bi-fold door has been designed to integrate with thermally broken CentreGLAZE™ and FrontGLAZE™ framing. The 50mm thick door panels accept IGUs up to 28mm and can achieve very large panel sizes. AWS Centor™ quad stainless steel roller bearings running in a heavy duty concealed sill track support heavy door panels up to 80kg. Rollers and pivots can be height adjusted as required.

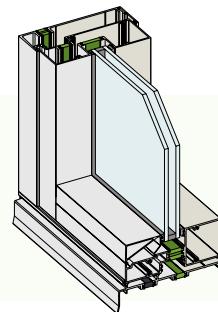
Series 804
Thermally Broken
CentreGLAZE™
Framing (100mm)



Series 804 CentreGLAZE™ shopfront frames with ThermalHEART™ technology measure 100mm x 60mm and are specifically designed to accept 24mm Insulating Glass Units (IGUs).

Series 804 has a wide range of thermally broken sub-frames to cover most installations. This includes sub-sills with integrated nailing fin ideal for residential installations.

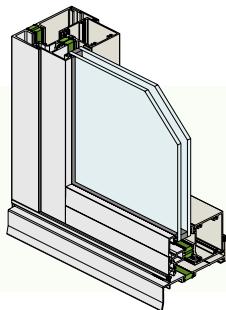
Series 806
Thermally Broken
CentreGLAZE™
Framing (150mm)



Series 806 CentreGLAZE™ shopfront frames with ThermalHEART™ technology measure 150mm x 60mm and are specifically designed to accept 24mm Insulating Glass Units (IGUs).

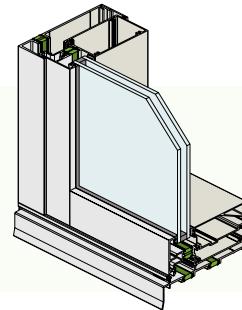
Series 806 has a wide range of thermally broken sub-frames to cover most installations.

Series 824
Thermally Broken
FrontGLAZE™
Framing (100mm)



Series 824 FrontGLAZE™ shopfront frames with ThermalHEART™ technology measure 100mm x 60mm and are specifically designed to accept 24mm Insulating Glass Units (IGUs) with glass positioned close to the front of the frame. Series 824 can be supplied with external or internal glazing, and has a wide range of thermally broken sub-frames. This includes sub-sills with integrated nailing fin ideal for residential installations.

Series 826
Thermally Broken
FrontGLAZE™
Framing (150mm)



Series 826 FrontGLAZE™ shopfront frames with ThermalHEART™ technology measure 150mm x 60mm and are specifically designed to accept 24mm Insulating Glass Units (IGUs) with glass positioned close to the front of the frame. Series 826 can be supplied with external or internal glazing, and has a wide range of thermally broken sub-frames to cover most installations.

COMMERCIAL FRAMING





Innovative, high-performance framing solutions for commercial and residential applications.

The Elevate™ Commercial Framing range includes CentreGLAZE™, FrontGLAZE™ and FaceLINE™ framing systems designed to meet the ever-growing needs of the commercial building sector and energy efficient design.

Available in 80mm, 102mm, 150mm and 225mm platforms and designed to accept double glazing, Elevate™ Commercial Framing incorporates strong, bold profiles for glazing across large spans and high-performance applications.

Available with ThermalHEART™ technology, Elevate™ Commercial Framing can deliver increased energy efficiency to even the largest commercial spaces.

CentreGLAZE™ Framing

Elevate™ CentreGLAZE™ framing offers a balanced design aesthetic, with glass positioned in the centre of the frame. Designed for use in both residential and commercial applications, CentreGLAZE™ framing is compatible with a wide range of Elevate™ window and door systems.

Available in 100mm and 150mm platforms, CentreGLAZE™ framing accommodates single and double glazing with ease. Choose from our range of 102mm and 150mm ThermalHEART™ CentreGLAZE™ framing for exceptional thermal performance for improved energy efficiency and comfort.

AVAILABLE AS:

Commercial Framing

Commercial ThermalHEART™





FrontGLAZE™ Framing

Looking for a clean external finish? Elevate Commercial FrontGLAZE™ framing positions the glass close to the external facade with minimal external frame projection. Splayed external ledges and glazing beads shed dust and water from the framing whilst offering excellent water and weather resistance.

Available in two standard frame sizes, 102mm and 150mm, FrontGLAZE™ framing can be coupled to SlideMASTER™ doors and windows and conventional Hinged and Pivot doors. Adapters are available to integrate Awning and Casement windows where required for total design flexibility.

Combine single or double glazing with ThermalHEART™, 100mm or 150mm FrontGLAZE™ framing for maximum energy efficiency and occupant comfort.

AVAILABLE AS:

Commercial Framing

Commercial ThermalHEART™





FaceLINE™ Framing

High performance meets aesthetically innovative design with Elevate™ FaceLINE™ framing.

FaceLINE™ framing enables glass to be positioned very close to the external facade of the frame to complement the clean lined facades of buildings, so often sought after among the commercial design community.

The narrowest external frame projection option in the Elevate™ range reduces the potential for dust build-up and settlement to maintain a clean finish to your facade.

Flexibility in the design of FaceLINE™ framing allows you to combine a wide variety of snap-on caps with structural silicon glazed panels across 102mm frame sizes for commercial applications and 150mm frame sizes where larger spans are required.

Elevate™ FaceLINE™ framing incorporates full perimeter frames allowing this system to fit sub-heads, sub-jams and sub-sills if required and adapts easily to other commercial framing systems in the Elevate™ family.

AVAILABLE AS:

Commercial Framing

Commercial ThermalHEART™





ADDITIONAL FEATURES





Retractable Screens

Retractable screens from Centor® Architectural provide an eco-friendly, retractable insect and solar screening solution with fingertip operation.

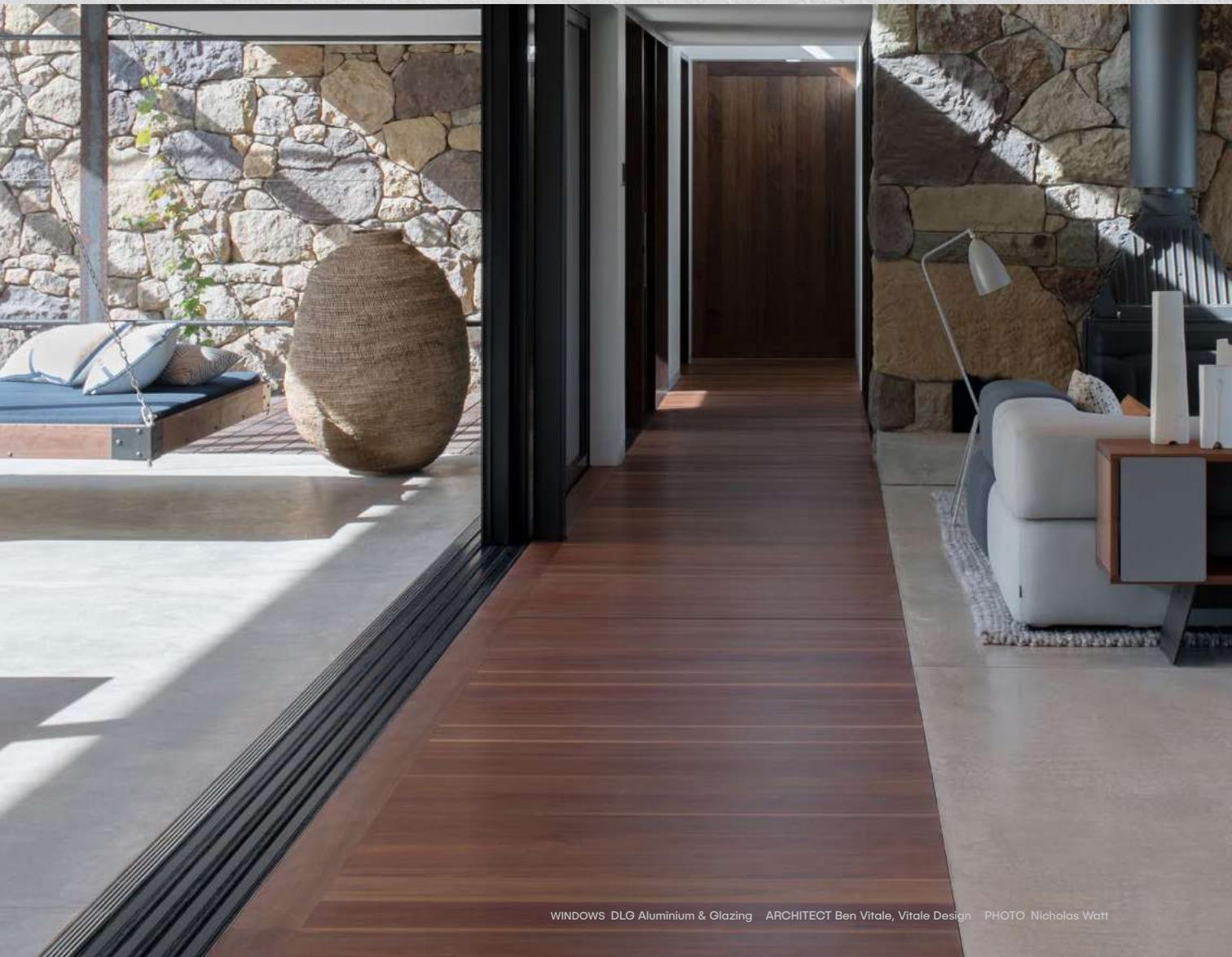
Delivering complete control of your living environment, Centor® Screens can be installed in single or bi-parting configurations. It also retracts horizontally and discreetly into its frame when not in use – the perfect solution for those who refuse to compromise on style.

Single units will span openings of up to 4.7m wide and are available as insect screens, sun control fabrics or combination units. For openings wider than 4.5m and up to 9.2m, a bi-parting system is used.

This innovative screening system can be used with Elevate™ bi-fold, sliding and hinged doors.

FlowTHRU™

Drainage for beautiful flush thresholds.





A flush threshold offers a seamless transition between living spaces, ensures easy accessibility and minimises the risk of trips and falls. When you choose a flush threshold, it is essential that drainage is considered. Failure to do so can cause leakage and potential damage to internal floor surfaces.

The FlowTHRU™ drain is the answer.

Why FlowTHRU™?

FlowTHRU™ is the only fully tested threshold drain for use with Elevate™ doors, designed and tested to perform in the harshest of environments.

Stainless steel design for maximum durability

Manufactured from 316-grade stainless steel, the drainage trough is built to last and corrosion-resistant. There's also a removable grate insert for easy cleaning and maintenance.

Convenient anti-slip grate

The anti-slip grate reduces the risk of slips, trips and falls, and is compliant with Australian and international standards for pedestrian, wheelchair and cane use. It incorporates a maximum slot width of 6mm to prevent small heels from becoming trapped.



AWS Trickle Vent

How do you improve indoor air quality while enjoying all the great things like thermal comfort that come with a well-sealed home?

Trickle ventilation is the answer.

Installing trickle ventilation in your home doesn't have to be hard. The AWS Trickle Vent is a state-of-the-art system that integrates into windows and doors with ease. Once installed, it quietly goes about its job. It doesn't need power (electrical or otherwise) and there's no need for you to remember to open and close it.

The AWS Trickle Vent provides fresh air whether a room is occupied or not, making it ideal for apartment blocks, multi-storey houses where high windows put kiddies at risk from a fall, holiday homes – the list goes on.

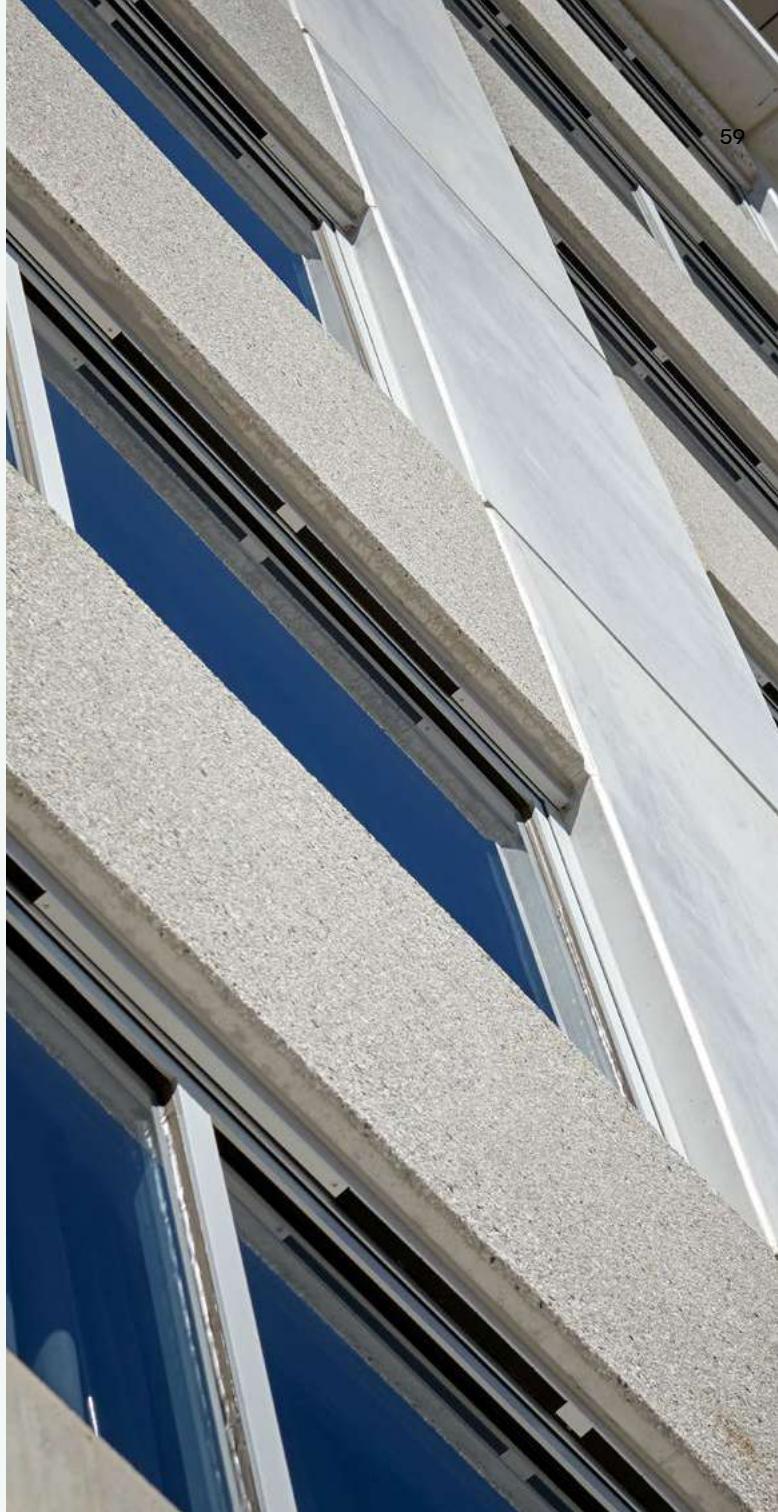
This is a game changer!

What is trickle ventilation?

A trickle vent is a very small opening in a window or door system that allows fresh air into a building, even when windows or doors are closed. Trickle ventilation is low-cost and requires little maintenance, plus it's the perfect solution if your existing windows don't open very wide (or at all), or a building is locked up for long periods of time, e.g. a holiday home.

Stand-out features

- Automatically transitionally opens between 14°C and 18°C
- Fully opens when the outside temperature gets to 18°C
- Lets in less noise than an open window
- Keeps pollutant ingress to a minimum
- Helps reduce condensation on your windows and doors
- Improves indoor air quality for a healthier living space.



Finishes

Powder Coating

Powder coating is a tough, durable baked-on coating available in a huge array of colours. Talk to your local fabricator about our great standard range of colours and affordable colour-matched hardware.

Warranty grade powder coat finishes are available for harsh environmental conditions.

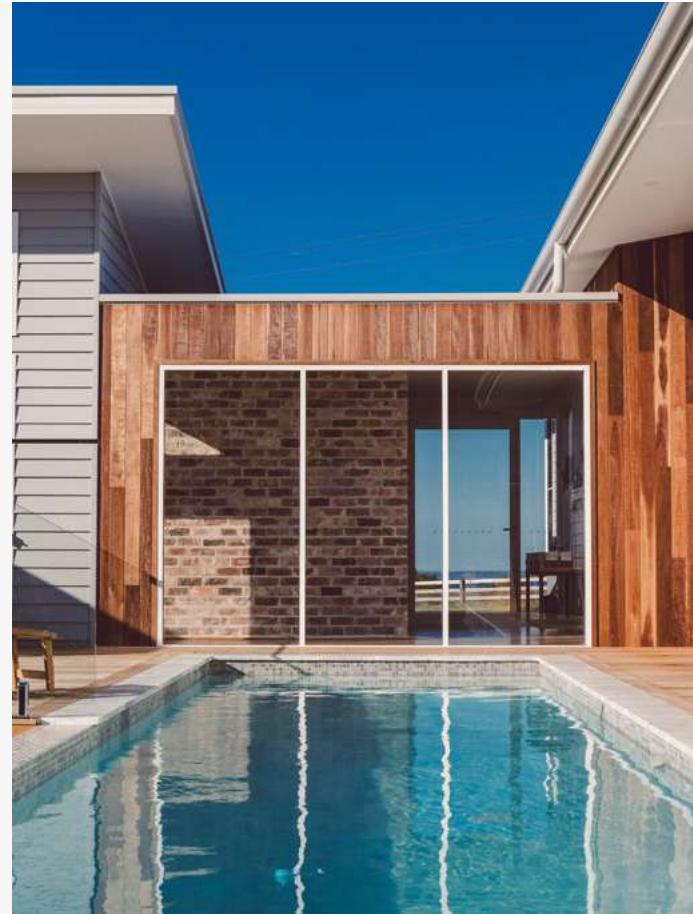
Anodising

Anodising is an electrochemical treatment available in a range of colours, including standard finishes of natural silver, bronze and black.

Anodising is an excellent choice for harsh environmental applications and extended warranty grades up to 25 years are available.

Colour Advice

- For a framing colour that complements the exterior cladding of the building, think about using a tone a few shades up or down.
- Choosing the same colour as the existing facade can give a very clean look, especially in white or cream tones.
- Contrasting joinery colours are popular. Many people love darker greens, blues, greys or black.
- Dark or black joinery against a light-coloured facade can look very sharp and attractive. Matching the joinery colour to the roof or fascia for a unified look is also a great option.
- Selecting a neutral joinery colour, like white, cream, taupe or black gives you flexibility if you ever want to update your colour scheme.

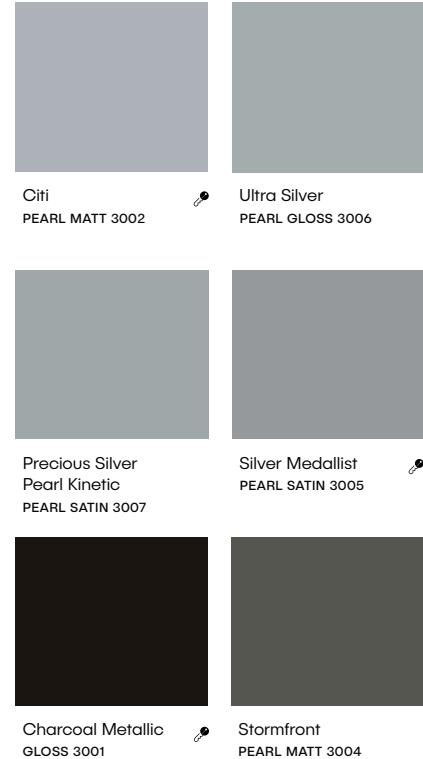


Our Powder Coat Range

Standard Colours



Selected Pearls

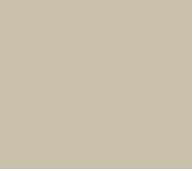
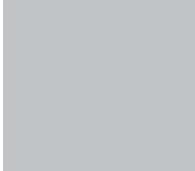
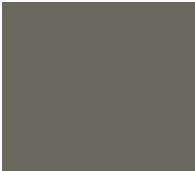


Key

 COLOUR MATCHED HARDWARE AVAILABLE

NOTE The finishes displayed on this page are a guide only and may not be actual representations of the actual finish. For powder coat samples, you can order samples from the colour page on the Elevate website. Your local Elevate supplier may also have samples by request. For custom powder coat requests, see your local fabricator for more information.

Popular Colours

					
Rivergum Beige GLOSS 2018	Magnolia GLOSS 2012	Classic Cream® MATT 2004	White Birch GLOSS 2026	Doeskin SATIN 2006	Pottery SATIN 2017
					
Stone Beige MATT 2031	Silver Grey MATT 2021	Windspray® MATT 2024	Pale Eucalypt® MATT 2015	Wilderness® MATT 2030	Basalt MATT 2027
					
Wallaby MATT 2028	Notre Dame GLOSS 2014	Ironstone® MATT 2010	Berry Grey SATIN 2001	Dark Grey MATT 2005	Charcoal SATIN 2003
					
Jasper® MATT 2011	Hammersley Brown SATIN 2008	Manor Red® MATT 2013			



The Right Glass

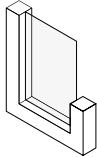
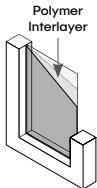
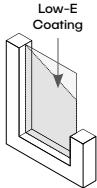
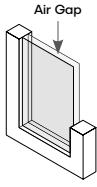
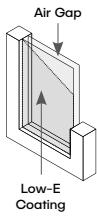
Choosing the right glass for your windows and doors can pay big dividends in energy efficiency and comfort levels.

Glass not only insulates you from temperature extremes, it also controls the passage of light and heat in and out of the home.

There are three key considerations when thinking about glass for your project: Natural light, solar heat

gain and thermal conductivity. High-performance glass can be used to reduce noise, overcome site limitations and demanding window orientations, and control UV and glare without compromising your building's energy efficiency.

An understanding of your local climate is key to choosing the optimal high-performance glass.

Glazing type		Attributes	Glare Reduction	Solar Heat Performance	Insulation/ Energy Efficiency
	Ordinary Glass	<ul style="list-style-type: none"> • Float - 4mm - 6mm • Toughened - 6mm Grade A Safety Glass 			
	Ordinary Glass Toned	<ul style="list-style-type: none"> • Float - 4mm - 6mm • Improved solar heat reduction over clear glass. 			
	Laminated Safety Glass	<ul style="list-style-type: none"> • 6.38mm Grade A Safety Glass 			
	Laminated Safety Glass Toned	<ul style="list-style-type: none"> • 6.38mm Grade A Safety Glass • Improved solar heat reduction over clear glass. 			
	Low E Hardcoat	<ul style="list-style-type: none"> • 4mm - 6.38mm • Available in Grade A safety glass • Improved solar heat reduction over ordinary glass. • Clear, grey, green & neutral • Up to 41% more effective than ordinary glass. 			
	Double Glaze	<ul style="list-style-type: none"> • Insulated Glazing Unit (IGU) thickness: 16mm-32mm • Improved solar heat reduction over single glazing. • Improved insulation over single glazing. 			
	Double Glaze Toned	<ul style="list-style-type: none"> • Insulated Glazing Unit (IGU) thickness: 16mm-32mm • Improved solar heat reduction over clear double glazing • Up to 32% more effective than clear IGUs. • Improved insulation over single glazing. 			
	Double Glaze Low E Softcoat or Hardcoat	<ul style="list-style-type: none"> • Insulated Glazing Unit (IGU) thickness: 16mm-32mm • High performance insulating glass with inert gas fill as standard. Developed specifically for high energy efficiency and solar heat reduction performance. 			

KEY  Good  Better  Best

The performance ratings indicated in the table is that of the highest performing product in that category for that characteristic. Performance will differ by product and suitability of each product for your application will differ according to the environment and location of use.

For detailed glass performance data contact your local Elevate™ Manufacturer.

BEAUTIFUL HARDWARE

Hardware combines form and function to transform your house into a home and perfectly reflect who you are. In fact, it's a defining feature! Check out our unique range of hardware, purpose-designed to complement the performance and styling of Elevate™ window and door systems.





Designed to perfectly complement the Elevate™ range, ANDO™ hardware brings a fresh and sleek look to your home's windows and doors.

Available in a wide variety of powder coat finishes with a selection of products available in 316-grade stainless steel, ANDO™ hardware provides consistency throughout your home.

Note: Images are not to scale.



SLIDING DOOR HANDLE
(SS ONLY)



TWIN POINT SLIDING DOOR LOCK
(SS)



SLIMLINE SLIDING DOOR LOCK



SINGLE POINT SLIDING DOOR LOCK



HINGED DOOR LOCK
(SS)



SLIDING WINDOW LOCK



BI-FOLD OPERATOR
(SS)



MANUAL CHAIN WINDER



DOUBLE HUNG LOCK

Key

(SS)

Available as 316-grade stainless steel or with powder coat finish

(SS ONLY)

Only available as 316-grade stainless steel.



ICON™ hardware is fully integrated 316-grade stainless steel hardware for aluminium windows and doors offering superior weathering performance.

The range incorporates a square-edge and rectilinear look to complement the strength and performance characteristics of the Architectural and Commercial Series windows and doors for residential and commercial applications.

Note: Images are not to scale.



SLIDING DOOR
HANDLE (600MM)



SLIDING DOOR
HANDLE (300MM)



LEVER HANDLE



SLIDING DOOR
FLUSH PULL



SLIDING WINDOW
LOCK



BI-FOLD
OPERATOR



CASEMENT LATCH



MIRO™ is a stunning blend of contemporary design and function. It offers a unified look for your home across our range of aluminium windows and doors.

The ergonomic design of the MIRO™ range ensures easy use by young and old.

Selected products within the MIRO™ hardware range are designed to meet Disability Access Compliance and Liveable Housing Guidelines, making them an excellent choice for both residential and commercial applications.

Available in a unique matt black, textured finish featuring AWS™ Enduratec technology, MIRO™ hardware is designed to withstand harsh environmental conditions throughout Australia.

Note: Images are not to scale.



BI-FOLD OPERATOR



SLIDING DOOR HANDLE *



HINGED DOOR LOCK *



SINGLE POINT SLIDING DOOR LOCK



SINGLE CHAIN WINDER



TWIN CHAIN WINDER

Products marked with a * are Liveable Housing Compliant

Adaptek™ Keying Solution

MIRO™ Sliding Door Locks incorporate a true one key system with the Adaptek™ keying solution, providing compatibility with Whitco, Gainsborough and Onyx keying systems delivering simplicity to home owners and adaptability in the event of locking system replacements.

The MIRO™ Chain winder is also available with an optional Special Access Lever handle.



This improves operability for those with reduced dexterity and to meet compliance with AS1428: 2009 Section 13.5 (Disability Access) and Liveable Housing Guidelines.



ANDO™**Commercial Series****Commercial
ThermalHEART™**

	50/52	442	452	453	456	461	471	642	665	831	832	852
Single Point Sliding Door Lock		●					●	●				
Twin Point Sliding Door Lock		●					●	●				
Slimline Sliding Door Lock		●					●	●				
D-Pull Sliding Door Handle (mortice lock)	●											●
Bi-fold Operator										●	●	
Locking Lever Handle (2-point)	●									●	●	●
Locking Lever Handle (4-point)	●									●	●	●
Sliding Window Lock						●						
Chain winder					●							
Double Hung Window Lock				●								

ICON™

Twin Point Sliding Lock		●				●	●	●				
D-pull with ISEO Lock												●
Flush Pull (with mortice lock)	●											●
Bi-fold Actuator			●							●	●	
2-Point Hinged Door Lock	●		●							●	●	●
Multi-point (4) Hinged Door Lock	●		●							●	●	●
Lever Compression Hinged Door Lock	●									●	●	●
Casement Latch					●							
Sliding Window Lock												

MIRO™

Bi-fold Actuator										●	●	
D-Pull Sliding Door Handle	●											●
French Door Handle	●									●	●	●
Single Point Sliding Door Lock		●					●	●				
Single Chain winder					●				●			
Twin Chain winder					●				●			
Truth™ winder												



Solutions for Every Application

AWS is committed to offering you solutions which not only provide light and ventilation, but help to maximise comfort in uniquely designed living spaces by protecting occupants from harsh environmental elements. All Elevate™ Commercial Framing systems are tested to comply with the National Construction Code (NCC) to ensure occupant health, wellbeing and safety.

Throughout this section, products which meet the specific requirements of the NCC for bushfire zones, extreme weather conditions, elevated openings and noise abatement are identified with the tags illustrated, to help you select the ideal framing system for your project.

IMPORTANT NOTE

When ordering Elevate™ commercial framing systems for bushfire applications, cyclone regions or applications where SAFE4KIDS™ features are required, make sure you tell your fabricator up-front. Products must be manufactured specifically to comply with requirements for these applications.



AS2047

To ensure performance in all weathers, all Elevate™ commercial framing systems meet or exceed the requirements of AS2047 for materials, construction, strength, water and airtightness.



Bushfire Rated

BAL-40 tested and certified products meet requirements for windows under AS3959-2009, the Australian standard for construction in bushfire-prone areas.



Cyclone Tested

Cyclone tested Elevate™ commercial framing systems meet and exceed the requirements for windows and doors in cyclone regions C & D under the NCC and AS1170-2002.



SAFE4KIDS™

Our SAFE4KIDS™ products have been tested to comply with the requirements set out by the NCC for operable windows in elevated applications.



SOUND

Elevate™ commercial framing systems have been assessed by the National Acoustic Laboratories for the abatement of airborne sound transmission.

Tested Systems

Architectural Series



	AS2047	BAL40	SAFE4KIDS	CYCLONE	ACOUSTICS
Series 417 LouvreMASTER™					
Series 410 FoldMASTER™ Bi-fold (Bottom rolling)	●	●	N/A		●
Series 411 ViewMASTER™ Bi-fold (Top Hung)	●	●	N/A		●
Series 412 FoldMASTER™ Bi-fold (Bottom rolling)	●	●	N/A		●
Series 462 Architectural Sliding Window	●	●	●		●
Series 463 Architectural Double Hung Window	●	●	●	●	●
Series 464 ClearVENT™ Sashless Double-Hung	●		●		
Series 466 Awning Window	●	●	●		●
Series 466 Casement Window	●		●		●
Series 467 Awning/Casement Window (Truth™)	●		●		
Series 468 Awning/Casement Window (Truth™)	●		●		
Series 650 Architectural Hinged Door	●	●	N/A		●
Series 662 Sliding Window	●		●		
Series 665 Awning/Casement Window	●	●	●		
Series 668 Awning/Casement Window (Truth™)	●		●		
Series 701 SlideMASTER™ Sliding Window	●		●		
Series 702 SlideMASTER™ Sliding Door	●		N/A		●
Series 704 SlideMASTER™ Sliding Door	●		N/A		●
Series 704T SlideMASTER™ Sliding Door (Top Hung)	●	●	N/A		●
Series 704B SlideMASTER™ Sliding Door (Bottom Rolling)	●	●	N/A		●
Series 704R SlideMASTER™ Sliding Door (Recessed Sill)	●	●	N/A		●
Series 704LS SlideMASTER™ Sliding Door (Lift Slide)	●		N/A		●
Series 704FTH SlideMASTER™ Sliding Door (Flush Top Hung)	●		N/A		
Series 704FBR SlideMASTER™ Sliding Door (Flush Bottom Rolling)	●		N/A		

Tested Systems

Commercial Series



AS2047



BAL-40



Safe4Kids™



Cyclone



Sound

	AS2047	BAL40	SAFE4KIDS	CYCLONE	ACOUSTICS
Series 50 Commercial Door	●	●	N/A		
Series 51 Commercial Door	●		N/A		
Series 52 Commercial Door	●	●	N/A		
Series 442 Commercial Stacking Sliding Door	●	●	N/A		●
Series 452 Commercial Sliding Window	●	●	●		●
Series 453 Commercial Double-Hung Window	●	●	●		
Series 456 Commercial Awning Window	●	●	●		●
Series 461 Apartment Sliding Window	●	●	●		●
Series 471 Apartment Sliding Door	●	●	N/A		●
Series 642 Commercial Stacking Sliding Door	●		N/A		●
Series 662 Sliding Window	●		●		
Series 668 Awning/Casement Window	●		●		

Commercial ThermalHEART™

	AS2047	BAL40	SAFE4KIDS	CYCLONE	ACOUSTICS
Series 804 Thermally Broken CentreGLAZE™ (100mm)	●	●	N/A		●
Series 806 Thermally Broken CentreGLAZE™ (150mm)	●	●	N/A		●
Series 824 Thermally Broken FrontGLAZE™ (100mm)	●	●	N/A		●
Series 826 Thermally Broken FrontGLAZE™ (150mm)	●	●	N/A		●
Series 831 Thermally Broken Top Hung Bi-fold Door (100mm)	●		N/A		
Series 832 Thermally Broken Bottom Rolling Bi-fold Door (100mm)	●		N/A		
Series 852 Thermally Broken Commercial Door	●	●	N/A		

Tested Systems

Commercial Framing



	AS2047	BAL40	SAFE4KIDS	CYCLONE	ACOUSTICS
Series 400 CentreGLAZE™ SG (102mm)	●	●	N/A	●	●
Series 620 CentreGLAZE™ (150mm)	●		N/A	●	●
Series 424 CentreGLAZE™ DG (102mm)	●	●	N/A	●	●
Series 450 CentreGLAZE™ DG (102mm)	●	●	N/A	●	●
Series 624 CentreGLAZE™ DG (150mm)	●	●	N/A	●	●
Series 936 CentreGLAZE™ (225mm)	●		N/A	●	●
Series 406 FrontGLAZE™ SG (102mm)	●	●	N/A		●
Series 606 FrontGLAZE™ SG (150mm)	●	●	N/A		●
Series 426 FrontGLAZE™ DG (102mm)	●	●	N/A		●
Series 626 FrontGLAZE™ DG (150mm)	●	●	N/A		●
Series 646 SoundOUT™ FrontGLAZE™ (150mm)	●		N/A		●
Series 660 SoundOUT™ FrontGLAZE™ (150mm)	●	●	N/A		●
Series 80 Narrow Offset (80mm)	●	●	N/A		●
Series 105 Office Partitioning System (105mm)			N/A		●
Series 600 Wide Offset (150mm)	●	●	N/A		●
Series 407 FaceLINE™ (102mm)	●		N/A		●
Series 607 FaceLINE™ (150mm)	●		N/A		●

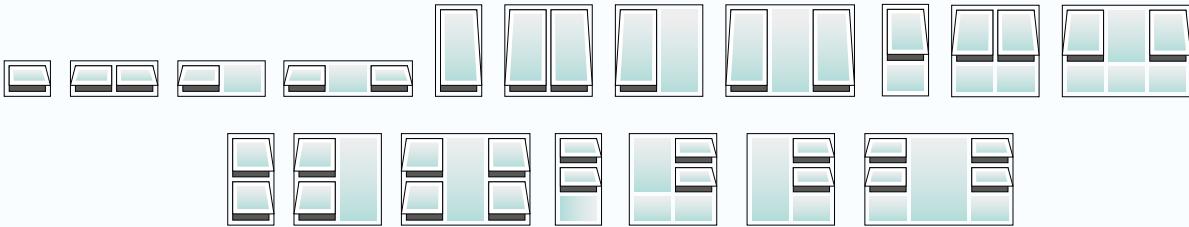
Specialty Series

	AS2047	BAL40	SAFE4KIDS	CYCLONE	ACOUSTICS
Series 531 SoundOUT™ Sliding Window	N/A	N/A	N/A		●
Series 532 SoundOUT™ Casement Window	N/A	N/A	N/A		●
Series 533 SoundOUT™ Sliding Door	N/A	N/A	N/A		●

Typical Configurations

Awning Windows

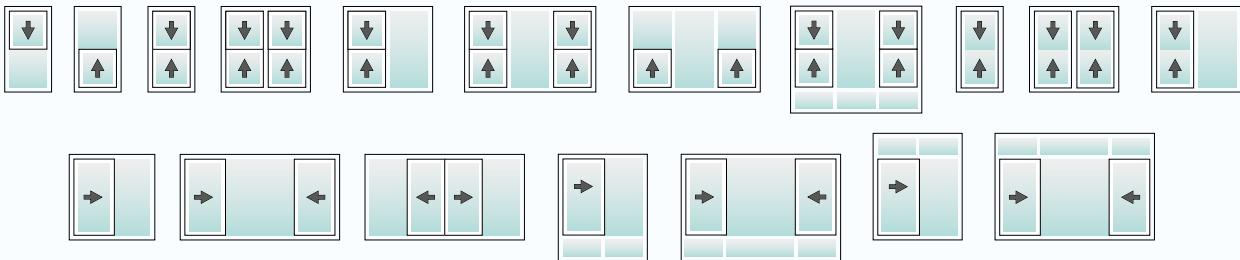
MANY OF THESE WINDOWS CAN ALSO BE MADE AS A CASEMENT (SIDE OPENING) WINDOW.



Bi-fold Windows

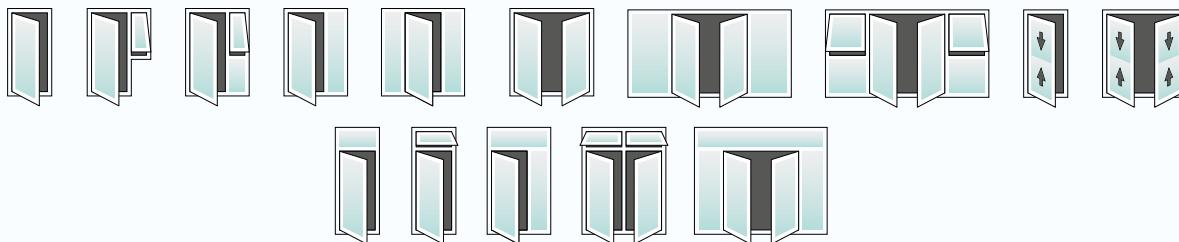


Sliding & Double Hung Windows

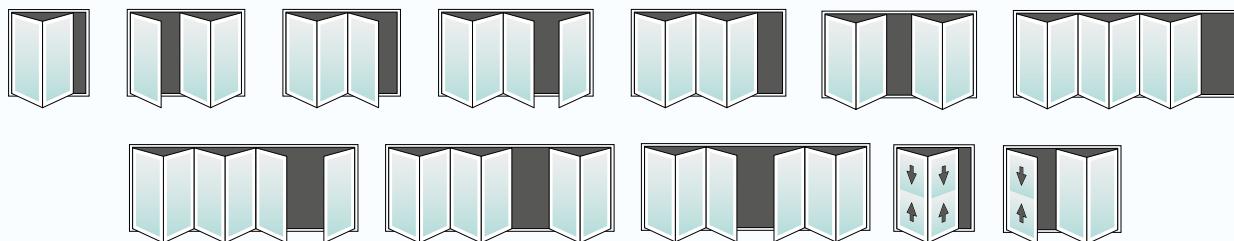


NOTE The configurations on these pages should be used as a guide only. To get the most out of your windows and doors, visit your local Elevate™ manufacturer to create the ideal configuration for your site, style and needs.

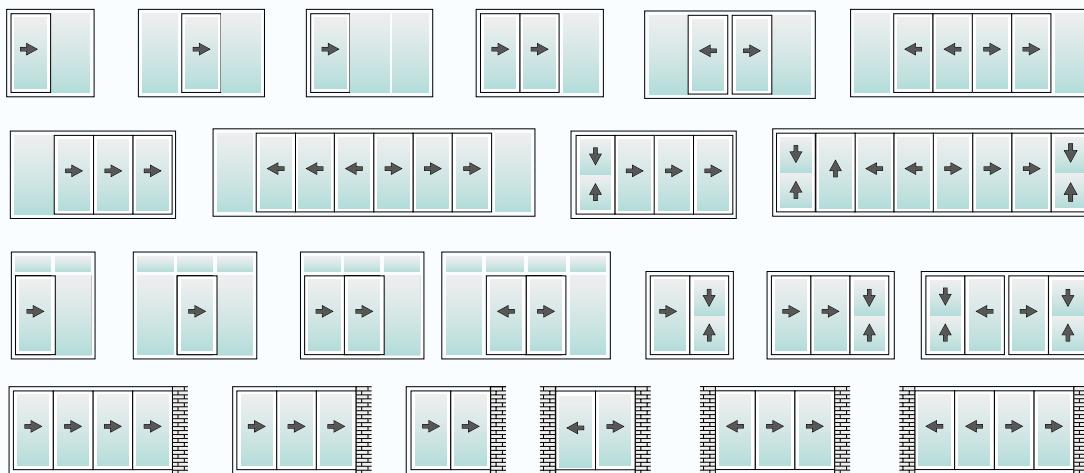
Hinged Doors



Bi-fold Doors



Sliding Doors



Timberland

ARCHITECT SW Architects

WINDOWS MJ Aluminium

PHOTOGRAPHY Sam Noonan



For architect Sally Wilson and her husband, renovating their home was a labour of love. Their goal? To give an untouched 100-year-old building – known as Timberland – a new lease of life and make it the home of their dreams.

Lined throughout with feature-grade blackbutt timber, the addition of the rear was all about creating a new living space for the family. “Most of all,” says Sally, “the house was completely orientated around this beautiful tree that we have at the back. The tree itself is 65 years old. It was planted by the previous owner and, luckily, it’s perfectly symmetrical where we wanted it to get aspect from the old part of the house.”

Creating the perfect transition between the old and new parts of the building required some out-of-the-box thinking. The solution was the addition of a very low, flat roof, “That low transition space is all about compression... feeling as if you’re about to transition into something with a completely different roof line, completely different feel.”



The owners also wanted to achieve a real connection to the landscape. “It was about creating almost an outdoor pavilion or a garden room,” says Sally. “We worked really hard with our manufacturer on the design of this. We knew what we wanted to achieve but he really guided us in terms of which profiles to use.” Sally was so impressed by the profiles, she now uses them all the time in her work. She also chose the 704 SlideMASTER™ to achieve the really big window spans. The system incorporates three big doors that stack back and can completely open out onto the gorgeous deck area.

“This space enhances our family life so much. It’s so functional. Sometimes we still sit out here and pinch ourselves, we’re so proud of what we’ve built. It’s such a fantastic space to be in, particularly at night when all the garden lighting comes on. It can be dark inside the house and you see out to this garden. The aspect’s just so beautiful!”



PROJECT FEATURE

80

Flowerdale House

ARCHITECT

SDA

WINDOWS

Great Lakes Windows

PHOTOGRAPHY

EDGE Commercial Photography



There are challenges with almost any building project, but this amazing home, just outside of Newcastle, was a veritable obstacle course. Built on a massive slope and submerged into a cliff face on three sides, it could only be made possible with great design, clever materials choices, and sheer determination!

Every room faces north to take advantage of the glorious northern sunlight and cool breezes. Due to the difficult nature of the site and the desire for privacy from the neighbours, the architect opted to 'stack' the home around a central staircase and lift. The four-storey mass of the building also utilises extensive landscaping, lush roof gardens and charred timber to integrate itself into the leafy environs.

81

The primary structural building material of this unique dwelling is pre-cast concrete which is anchored into the escarpment and boldly cantilevers out of the cliff face to create a striking form that is reminiscent of the rocky ledges it replaces.

The biggest challenge of all was to achieve a continuous expanse of glass that soars upwards and around the corners of the building. On top of all this, the fixed framing and sub-framing had to be welded to match the concrete slabs exactly. To meet the brief, custom-black AWS products were chosen - in consultation with local fabricator, Great Lakes Windows - for their performance, energy compliance, and exceptional aesthetics.

The sliding doors allowed for a clever, externally mounted cavity-style door to the mid-level living space to achieve the maximum possible opening.

The home also boasts AWS louvres to ensure maximum airflow into key areas, while the large expanses of glazing create a feeling of immense space and open the occupants up to the sweeping valley views.



KV House

ARCHITECT Turner Studio
WINDOWS Architectural Aluminium
PHOTOGRAPHY Brett Boardman



One visit to this extraordinary home in Kangaroo Valley is all the proof you need that some places are simply special. Originally designed just over 15 years ago for a couple with one child, they soon outgrew the space and, given the difficulty of the site, needed some out-of-the-box thinking to accommodate the family's expansion. The solution was to build a stunning new 'wing' that provides interior comfort, additional space, low-cost sustainability and, the number-one priority, ensures the surrounding landscape is the undeniable star.

The right windows and doors play a huge role in creating ambiguity between what's inside and what is out. The architect, Nick Turner, worked closely with the fabricating team at Architectural Aluminium to realise the client's vision.

"The house is designed using a series of AWS window suites for all the glazing to stack back and open up," he says. "That then transforms the house, gives the house a great degree of flexibility. We were able to benefit from a new top hung system that dealt with weight issues. A lot of the doors are between 2 and 2.4 metres wide.



They're 3 metres high, weighing up to 300 kilos each, so conventional track rolling systems were not really an option. The sections are really clean and, having a flush interface between the inside and outside with the integrated strip drain, just made it a no-brainer. It was an obvious decision."

Nick's design includes a 'green' concrete roof which helps to reduce heat gain in summer and heat loss in winter. In addition, the property has a 27-kilowatt solar array and 50-kilowatt battery back-up that enables the owners to live 95% off-grid.

What emerges from the rock face now is the perfect combination of old and new, and an environmentally sensitive design that allows the great outdoors to take centre stage.





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ABN 48 067 950 903

HEAD OFFICE

76-78 Jemma Road,
Prestons NSW 2170

PO BOX 311
Liverpool NSW 1871

HAVE QUESTIONS?

Call us at 1300 026 189 or email marketing@awsaustralia.com.au



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