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ABOUT CITYVIEW™

The CityView™ range of windows, doors and commercial framing are the ideal choice for modern architectural requirements, meeting current design trends and achieving high performance ratings.

The range is ideally suited for architectural and commercial developments such as apartments, schools, shop fronts, offices and aged care facilities. They are also an excellent choice for premium

architecturally specified residential applications requiring commercial level performance and aesthetics.

Systems available in our CityView™ range include sliding windows and doors, double hungs, awnings / casements, louvres and hinged doors. With the exception of louvres, all systems accommodate single and double glazing and

numerous extrusion add-ons, to ensure flexibility in achieving design and performance specifications.

Fabricator support is available for our entire CityView™ range in the form of technical manuals, tooling, V6, Orgadata, cutting sheets, WERS, BAL40, acoustics ratings, wall charts, CAD files and a variety of test reports.





PERFORMANCE

AUSTRALIAN STANDARDS

AS2047 & AS4284

All of our CityView™ systems have been tested to AS2047 to ensure the ultimate in safety and trust. This test provides data on deflection, operation force, air infiltration, water penetration and ultimate strength. Further AS4284 testing is available for selected products in the CityView™ range.

ACOUSTICS

Several of our CityView™ systems have been tested for acoustic performance. Visit the Darley Aluminium website to view the full list of the Acoustic Ratings for our CityView™ range.

	SLIDING WINDOW	DOUBLE HUNG WINDOW	AWNING / CASEMENT WINDOW	PATIO SLIDING -STACKING DOOR	ARCHITECTURAL SLIDING DOOR	45mm HINGE DOOR	LOUVRE WINDOW
 BAL40	✓		✓	✓	✓	✓	
 AS2047	✓	✓	✓	✓	✓	✓	✓
 AS4284			✓				
 ACOUSTIC	✓		✓	✓	✓	○	

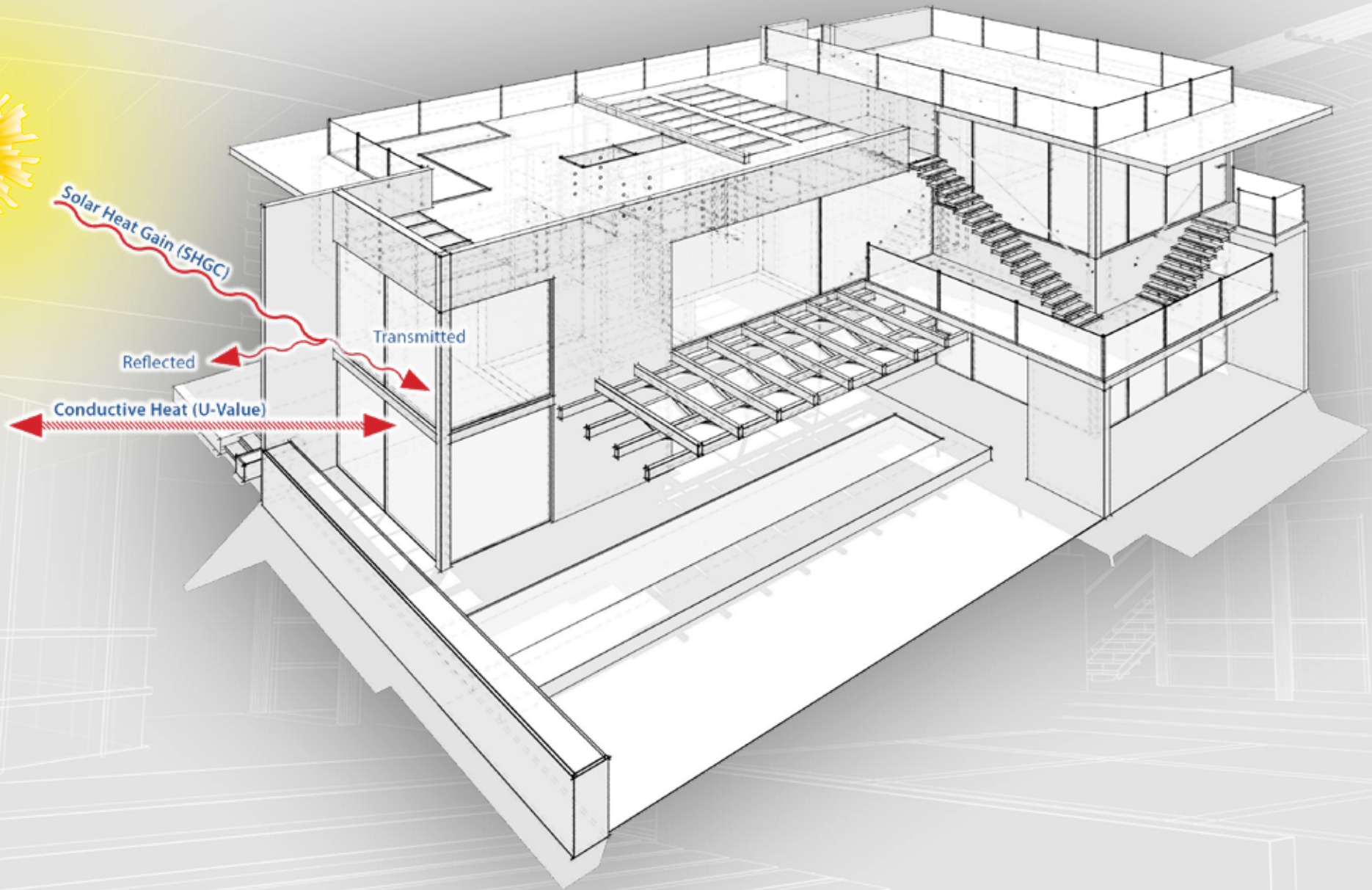
○ = Solutions available. ✓ = Tested.

BUSHFIRE

A number of our CityView™ systems have been tested to Australian Standards AS1530.8.1 for bushfire ratings up to BAL40.



100mm FRONT SINGLE GLAZING	101.6mm CENTRE SINGLE GLAZING	150mm FRONT SINGLE GLAZING	100mm FRONT DOUBLE GLAZING	101.6mm CENTRE DOUBLE GLAZING	150mm FRONT DOUBLE GLAZING	150mm CENTRE DOUBLE GLAZING	250mm FRONT DOUBLE GLAZING
○	✓	○	○	○	○	○	
✓	✓	✓	✓	✓	✓	✓	✓
			✓		✓		
○	✓	○	✓	✓	○	○	



ENERGY EFFICIENCY

WERS

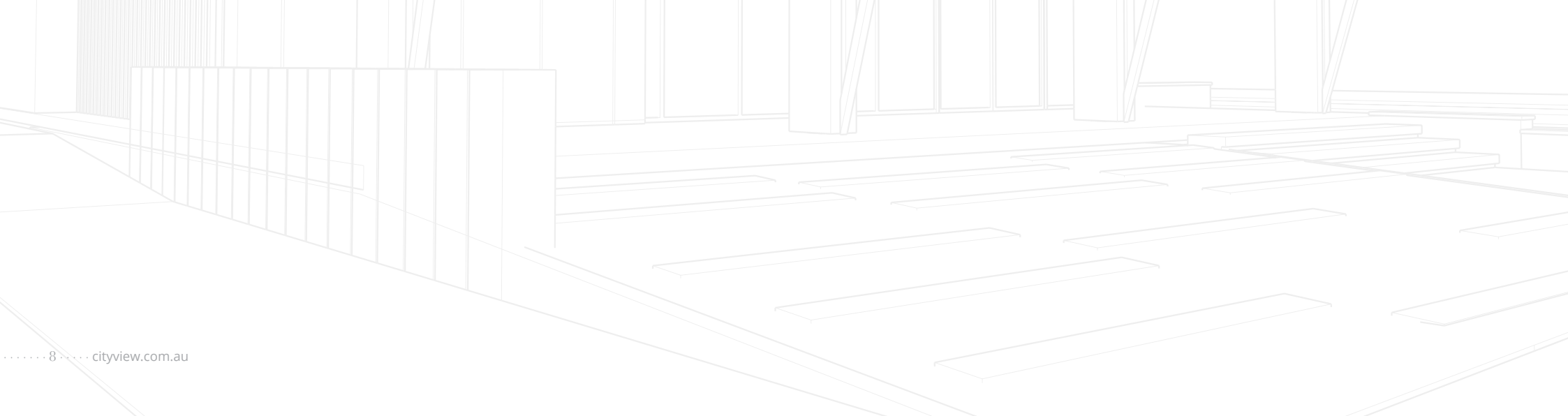
The Window Energy Rating Scheme (WERS) is accredited by the Australian Fenestration Rating Council (AFRC) and is compliant with the National Construction Code (NCC). Reports are prescribed both for the total window performance U-value (Uw) and total window Solar Heat Gain Coefficient (SHGC).

Uw

Uw measures heat conductivity, calculating the rate of non-solar heat loss or gain through the total window system (*glass, framing, seals*). The Uw helps indicate how well a window or door rejects heat during summer and retains heat during winter. A lower number indicates better performance.

SHGC

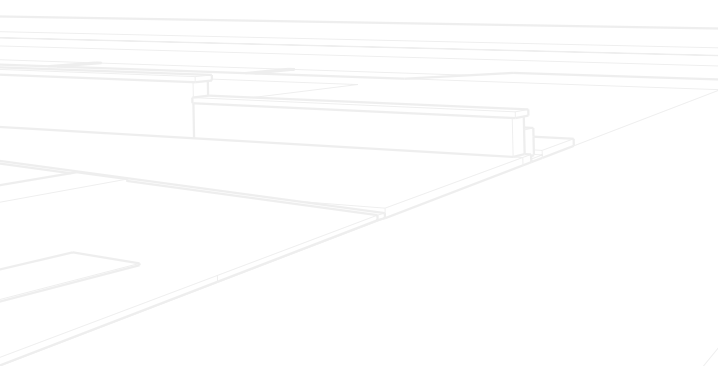
SHGC measures the total window systems ability to block heat transfer through direct sunlight. A lower number indicates better blocking performance; however a high number might be appropriate in cooler climates or with specific building orientations.



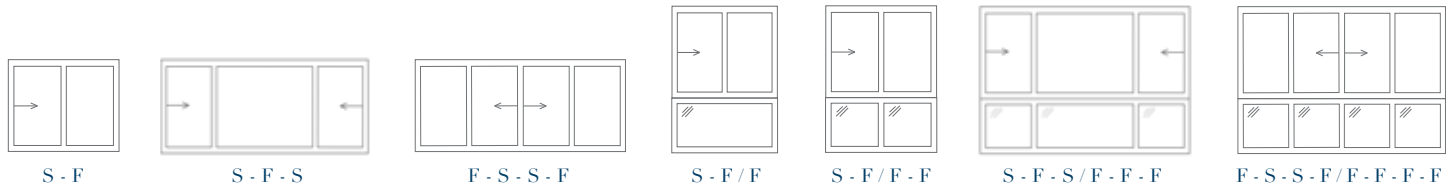
SLIDING WINDOW

CityView™ Sliding Windows offer a beautiful, sleek design popular with property developers, architects and builders. The system is suitable for high-rise apartments, office buildings, architectural homes and commercial developments. Available in single or double glazing, and various configurations allowing flexibility in installation and fabrication.

The unique design also requires minimal tooling to fabricate. A range of configurations are possible to provide the end user tailored opportunities. For architecturally specified jobs, the system has a range of configurations and premium hardware options.



Sliding Window: Standard Configurations



Tested to AS2047



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
Open Sill*	AZT0051.14	450	2,500	5,000
Closed Sill*	AZT0306.15	600	2,700	3,700

**Performance ratings reflect a specific size and configuration. Test report data may not cover all configurations and sizes.*

Sliding Window: Technical Specifications

Design features

Glass thickness	6mm to 20mm
Maximum panel size*	1,900mm (H) x 1,300mm (W)
Maximum panel weight*	100kg
Acoustic performance	Rw 33 with 10.38mm
U-value	3.9 - 6.3
BAL fire rating	BAL40

*See strength charts available in technical manual.

Options

Range of single and two-piece interlocks for different strength, aesthetics and fabrication requirements

External fly screen

Heavy-duty rollers

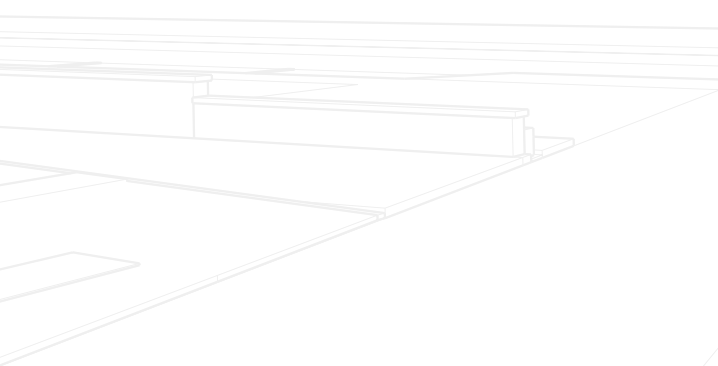
Vent lock to restrict opening for additional security and safety above first floor applications

Premium hardware options available

Open and closed sill

Side-lights, high-lights and low-lights possible

Corner window configuration available





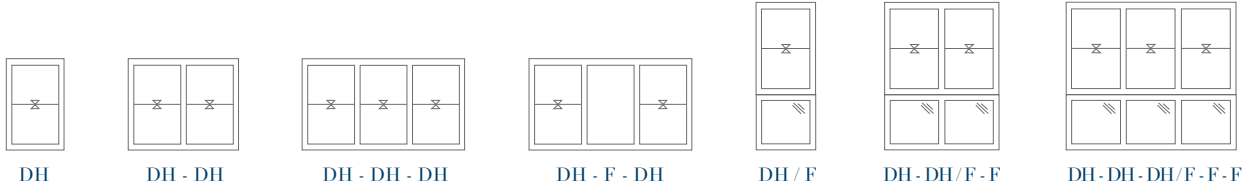
DOUBLE HUNG WINDOW

For a traditional window with contemporary design, the CityView™ double hung is a popular choice. This system helps maximise cross-flow ventilation and allows for single or double glazing. Featuring concealed balance operators, the system will provide years of trouble-free operation.

The CityView™ Double Hung features unique finger grooves for easy operation of the top and bottom sash. Slide in flyscreens are also available with no need for additional clips.



Double Hung Window: Standard Configurations



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
Double Hung Window	AZT0491.20	300	1,800	4,500

**Refer to Technical Manual for further details.*

Double Hung Window: Technical Specifications



Design features

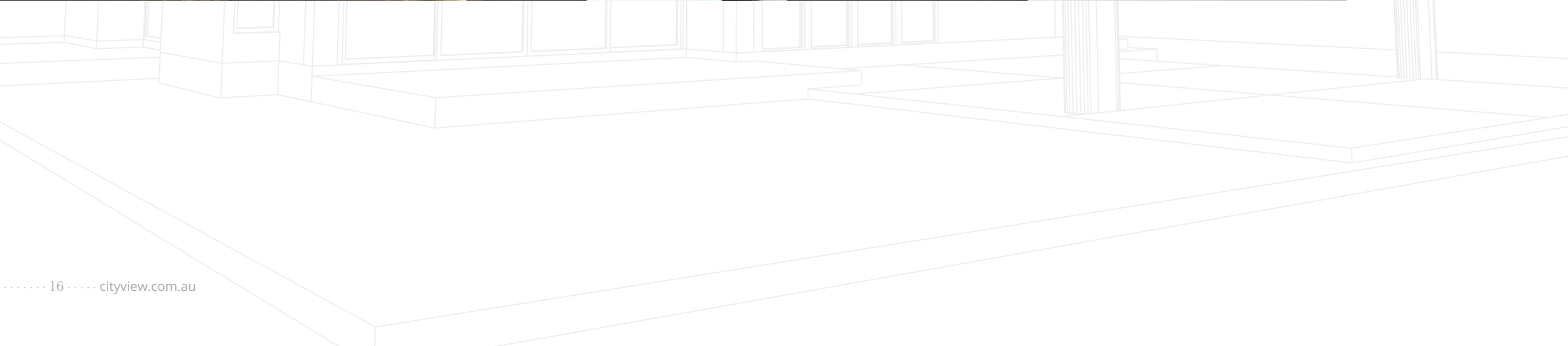
Maximum weight per panel	16kg
Maximum height	2,100mm
Maximum width	900mm
Glass thickness	4mm to 20mm
Acoustic performance	Rw 35 with 10.5mm Hush*
U-value	3.3 - 6.4
BAL fire rating	BAL19 Deemed to Satisfy

* Estimate.

Options

Restricted opening for security and above first floor applications

Slim non-grooved panels available where finger groove not desired



AWNING / CASEMENT WINDOW

35mm Awning Window

The CityView™ 35mm Awning window offers a beautiful slim design with a variety of options to suit requirements. The system can operate using friction stays and cam handles, or alternatively can be fabricated with a top hook design and simple chainwinder operator. The system can also nest into all sizes of Darley commercial framing.

50mm Awning Window

When high performance and maximum choice is required, the CityView™ 50mm Awning and Casement Window is the ideal option. The system can be oriented for both awnings and casements using friction stays, available with both external and recessed sash options, and optional multipoint locking. For ease of fabrication, awnings can also be assembled with a top hook design and simple chainwinder operator, omitting the need for stays.

Truth Awning / Casement Window

For the ultimate multipoint locking and smooth operation, the CityView™ Truth Awning/Casement Window is ideal. Multipoint locking and a recessed sash allow the system to handle high wind pressures and is suited to high rise and architectural designs. The system can be configured as an awning or a casement, with a central winder that requires less turns in operation and is significantly smaller than chainwinders.

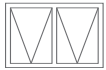
Awning/Casement Window: Standard & High Configurations



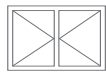
A



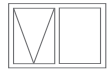
C



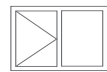
A - A



C - C



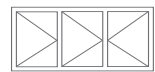
A - F



C - F



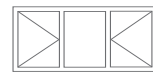
A - A - A



C - C - C



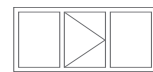
A - F - A



C - F - C



F - A - F



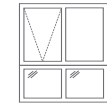
A - F - A



A / F



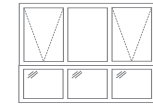
C / F



A - F / F - F



C - F / F - F



A - F - A / F - F - F



C - F - C / F - F - F



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
35mm Awning with Stay	AZT0127.08	300	-	2,000
35mm Awning Hook	AZT0490.20	500	1,200	3,000
50mm Heavy Duty Awning	AZT0026.14*	700	1,450	2,500
50mm Heavy Duty Awning Recess	AZT0113.16*	1,000	1,900	3,500
50mm Heavy Duty Awning Hook	AZT0483.21	2,300	2,500	5,000
Truth Awning	AZT0041.17	600	2,000	3,200
50mm Heavy Duty Awning with Multipoint	2022-001-S1 (AS4284)	1,000 static, 1,200 gusting	2,500	3,000

	Test Report No.	Rating
BAL Fire Rating	FRT210417	BAL40
Acoustic	TL666-09-1	RW 41 ⁺ with 8/10/10.5 Hush

*Refer to Technical Manual for further details. *Refer to table on Pg19 for more Acoustic ratings.

Awning / Casement Window: Technical Specifications

Design features

	35MM AWNING	50MM AWNING/ CASEMENT	TRUTH AWNING/ CASEMENT
Maximum weight per sash	Stays = 35kg*	Stays = 130kg*	Stays = 136kg*
	Hook = 45kg	Hook = 50kg	
Maximum sash height [^]	1,700mm	1,900mm	2,200mm
Maximum sash width [^]	950mm	1,300mm	1,300mm
Glass thickness	6mm - 24mm	6mm - 30mm	6mm - 30mm
Acoustic performance	Rw 38 with 10.38mm	Rw 41 with 8/10/10.5mm Hush	Rw 40**
U-value	4.2 - 6.8	4.2 - 6.8	4.2 - 6.8
BAL fire rating	BAL40	BAL40	BAL40

**Depending on stay option, reduced maximum for casements. **Estimate. [^]For taller or wider sash sizes, please contact technical support.*

Options

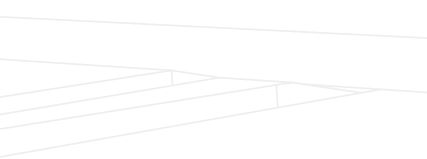
Restricted opening for security and above first floor applications

Hook hinge option for 35mm and 50mm awnings

External or recessed stops available for 50mm Awning/Casement

Chainwinder and cam handle options available for 35mm and 50mm awnings

Single point or multipoint available for 50mm Awning/Casement and Truth Awning/Casement





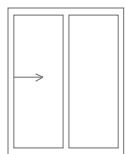
PATIO SLIDING-STACKING DOOR

Designed with the latest architectural trends in mind, the CityView™ patio sliding stacking door system is available in a variety of configurations. The system is a simple and cost-effective solution that is perfect for connecting indoor living with outdoor living in situations such as patios, sundecks, courtyards and gardens.

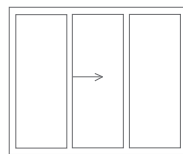
A major benefit of the system is the variety of sill options including a standard self-draining sill, a disability sill, and a flush disability sill that can be self-draining or used in an architecturally designed flat transition sump. Furthermore, flydoors are made simple through the built-in flytrack, while single or two-piece interlocks give options during fabrication.



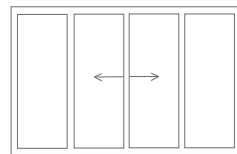
Patio Sliding Stacking Door: Standard Configurations



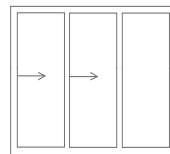
S - F



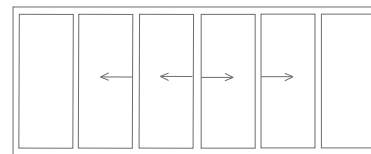
F - S - F



F - S - S - F



S - S - F



F - S - S - S - S - F



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
Standard Interlock Patio Slider	AZT0116.10	300	1,200	2,326
Single Piece Interlock Patio Slider	AZT0189.18	250	1,100	2,000
Standard Interlock Patio Stacker	AZT2586.12	200	1,200	2,326
Single Piece Interlock Patio Stacker	AZT0190.18	250	1,100	2,000

	Test Report No.	Rating
BAL Fire Rating	FRT210417	BAL40
Acoustic	4858-4	Rw 37 with 10.5mm Hush

**Refer to Technical Manual for further details and additional testing results.*

Patio Sliding–Stacking Door: Technical Specifications

Design features

Maximum door panel height*	2,750mm
Maximum door panel width*	1,300mm
Maximum weight per door panel	120kg
Glass thickness	6mm - 20mm
Acoustic performance	Rw 37 with 10.5mm Hush
U-value	4.3 - 6.4
BAL fire rating	BAL40

**See strength charts available in technical manual.*

Options

Premium hardware options available
Range of single and two-piece interlocks for different strength and aesthetic requirements
Range of roller options
Corner door option available
Range of sill options and drainage options possible including a flush disability access sill



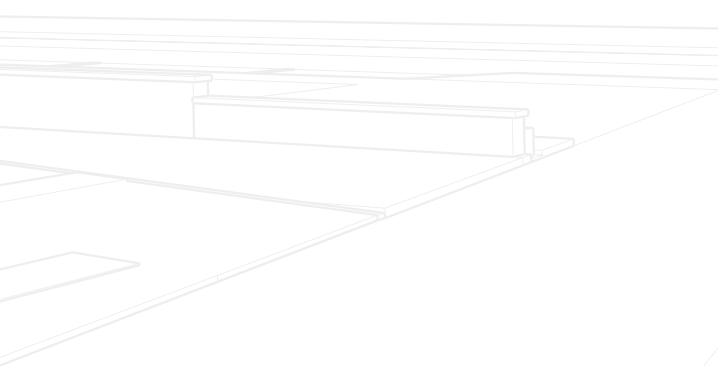


ARCHITECTURAL SLIDING DOOR

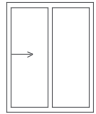
Designed with strength and high performance in mind, the CityView™ Architectural Sliding Door is the perfect solution for high-rise buildings, and architectural applications. The system is capable of extra-large door panels and offers a range of hardware options to suit both project

quantity jobs or the highest quality statement pieces for architectural designs. A major benefit of the system is the variety of sill options including a standard subsill-draining sill, and a flush disability sill that can be self-draining or used in an architecturally designed flat transition sump.

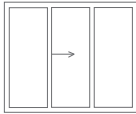
You also have the option of a window transom sill, allowing sliding doors and windows to match each other perfectly and a high performance sill for large water performance.



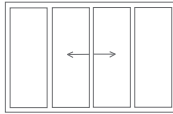
Architectural Sliding Door: Standard Configurations



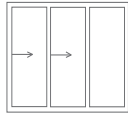
S - F



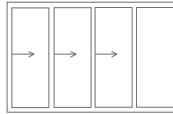
F - S - F



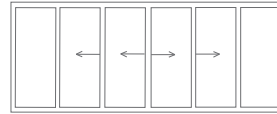
F - S - S - F



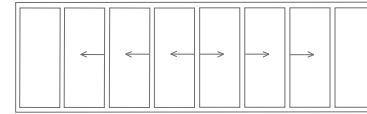
S - S - F



S - S - S - F



F - S - S - S - S - F



F - S - S - S - S - S - F



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
Architectural Slider	AZT0144.22	450	1,600	2,800
Architectural Slider (Flush Sill)	KSTL025	300	1,800	4,500
Architectural Stacker	AZT0137.17	420	1,487	2,300
HD High Sill Architectural Slider	AZT0060.13	700	1,890	2,700
HD Architectural Stacker	AZT0095.13	600	1,890	2,700

	Test Report No.	Rating
BAL Fire Rating	FRT210418	BAL40 with no fly screens
Acoustic	4258-2	Rw 35 with 10.38mm

**Refer to Technical Manual for further details.*

Architectural Sliding Door: Technical Specifications

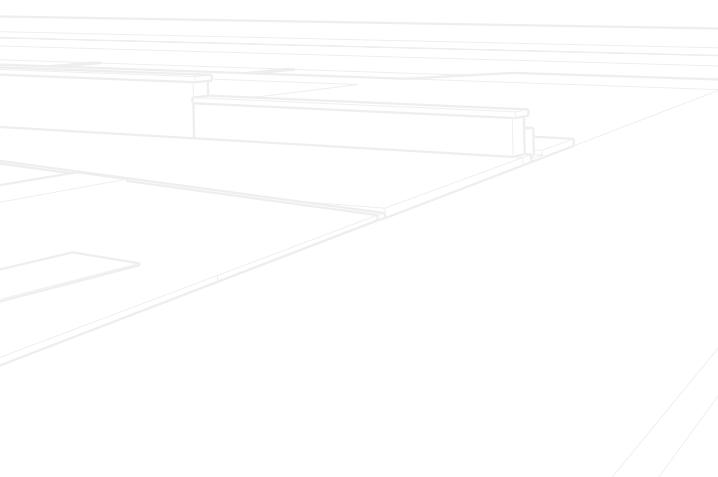
Design features

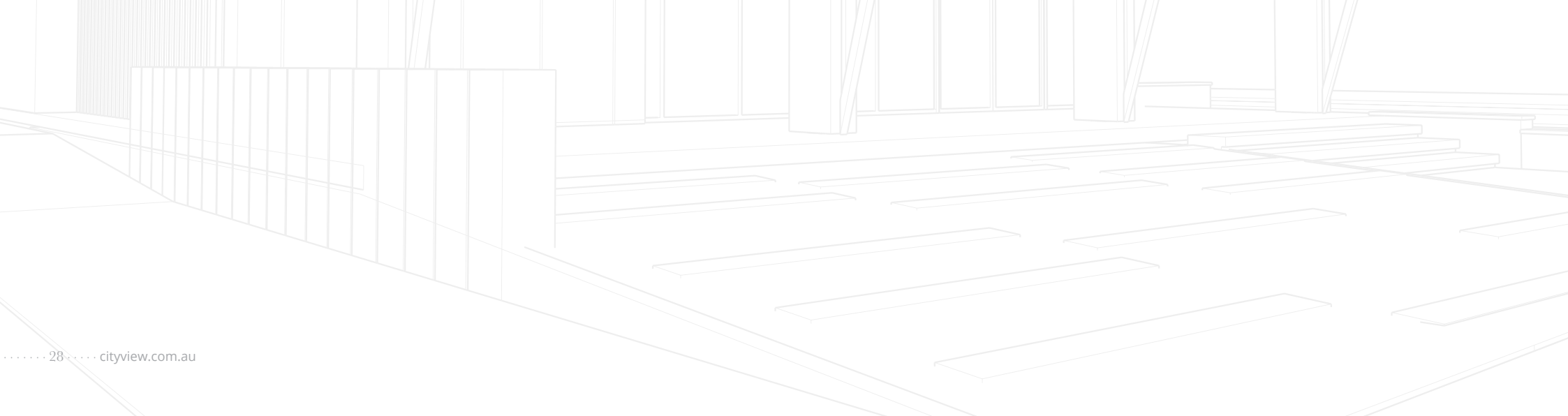
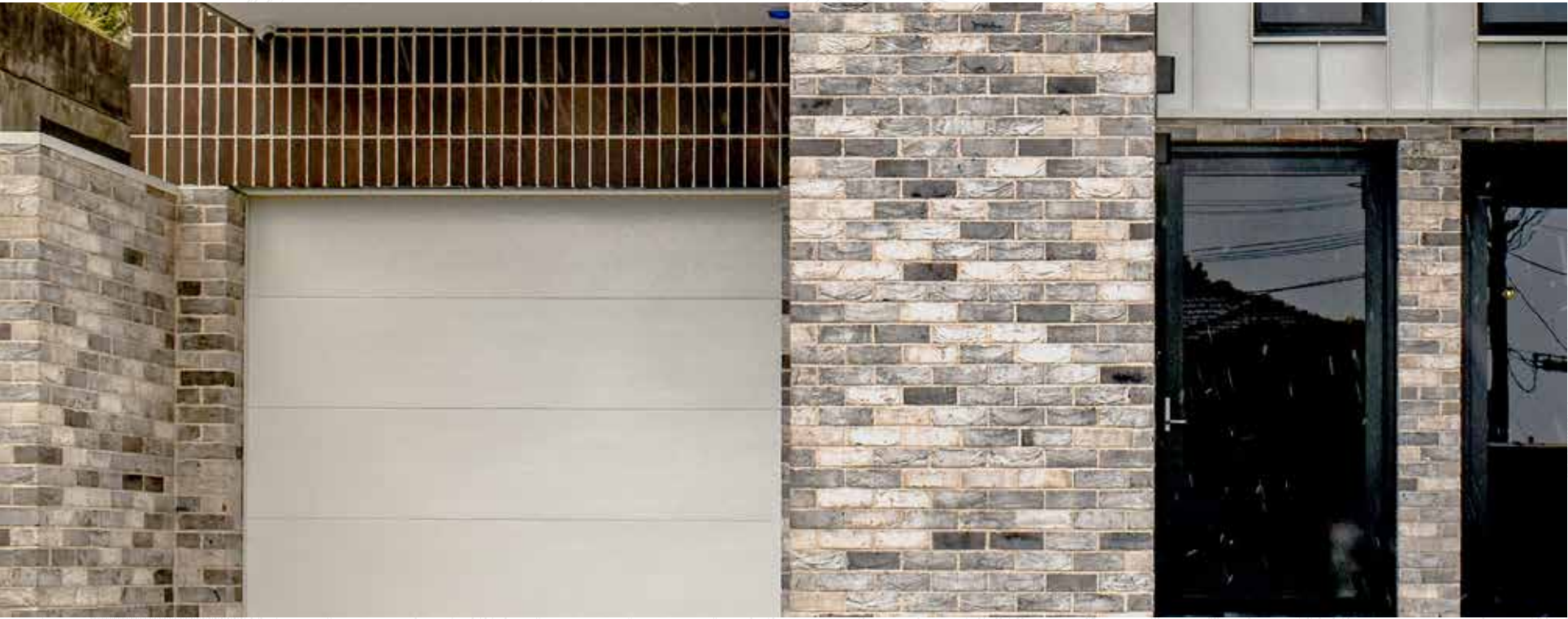
Maximum door panel height*	3,200mm
Maximum door panel width*	1,500mm
Maximum weight per door panel	200kg
Glass thickness	6mm - 30mm
Acoustic performance	Rw 35 with 10.38mm
U-value	3.1 - 6.2
BAL fire rating	BAL40 with no fly screens

*See strength charts available in technical manual.

Options

Premium hardware options available
Range of roller options
Corner door options available
Range of sill options and drainage options available including a flush disability access sill
Range of interlocks for different strength and aesthetic requirements
Plant on flyscreen track
Slider with built-in flyscreen track possible in stacker framing



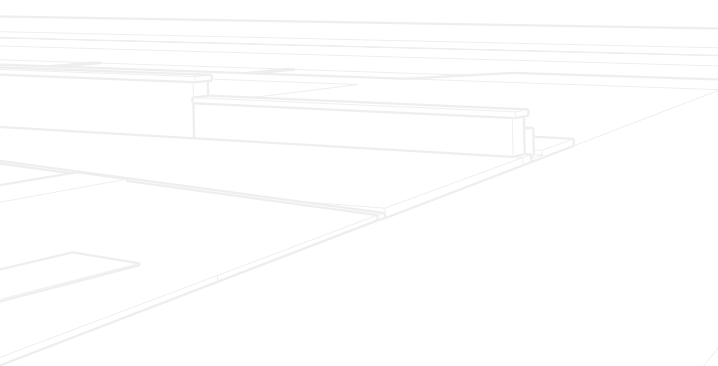


45MM HINGE DOOR

Developed for modern specifications,

the 45mm Hinge Door is the market leading choice for a well-rounded hinge door solution to wind and water requirements. The system offers commercially viable inward and outward configurations in single and double doors, making it an ideal choice for shop fronts, office buildings, schools and architectural applications.

The 45mm Hinge Door shares common extrusions and parts with existing Darley systems to help reduce additional factory space required, saving customers time and money. Additionally, the system offers water ratings with and without the need for a subsill.



45mm Hinge Door: Standard Configurations



HD



HD



HD - HD



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
Open Inward	AZT0569.18	200	1,500	3,000
Open Outward (114mm Stile)	AZT0142.22	300	1,400	2,600
Open Outward	AZT0549.18	300	1,500	3,000

	Test Report No.	Rating
BAL40 Fire Rating	FRT210417	BAL40 with no fly screens
Acoustic	DARWRHDA001	Rw 34 with 12,50mm Hush

**Refer to Technical Manual for further details.*

45mm Hinge Door: Technical Specifications

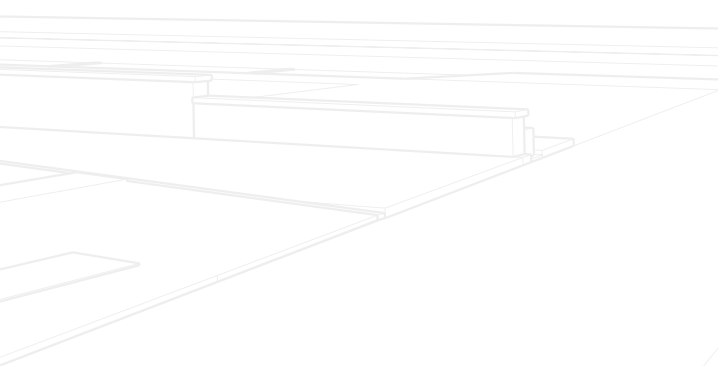
Design features

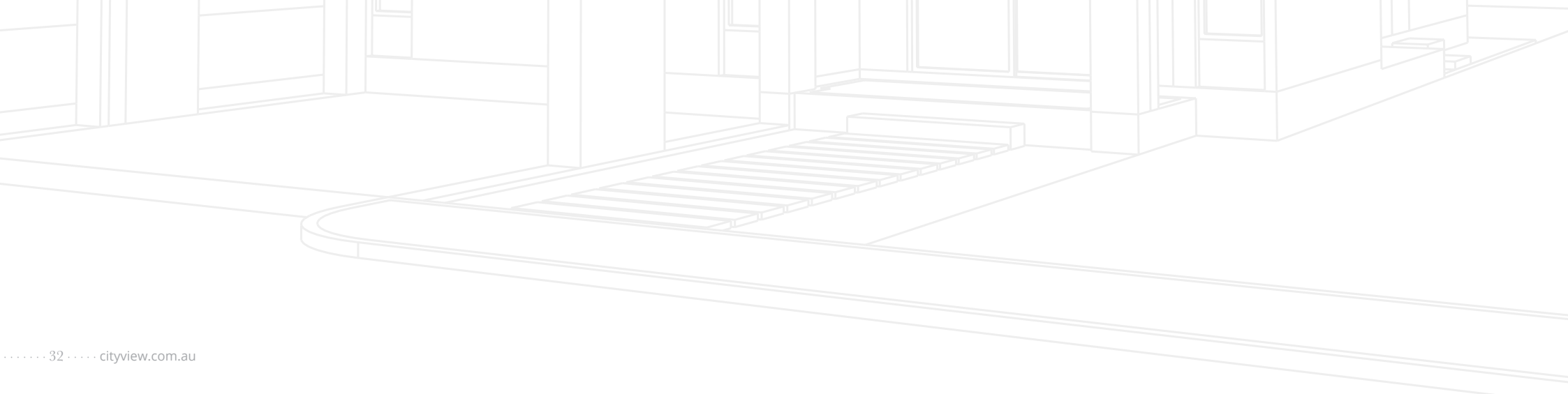
Maximum door panel height*	2,900mm
Maximum door panel width*	1,200mm
Maximum weight per door panel*	Up to 130kg
Glass thickness	6mm - 28mm
Acoustic performance	Rw 34 with 12.50mm Hush
U-value	3.1 - 6.2
BAL fire rating	BAL40 with no fly screens

**Dependent on hinge selection.*

Options

Inward and outward options available
With or without subsills
Multipoint locking available
Single or double doors
Variety of stile and rails available





LOUVRE WINDOW

The CityView™ Louvre Window is a modern system that provides exceptional controlled ventilation. Enjoy natural light with convenient weather control and the freedom to let in the amount of fresh air you prefer. It is a proven performer, developed to withstand harsh environments and achieve performance ratings

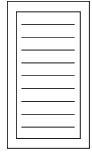
that meet the stringent requirements of Australian standards for windows.

A choice of glass, timber or powdercoated aluminium blades are available. The louvre blades are secured by unique UV stabilised injection-moulded clips that provide a weathertight seal and are corrosion-free.

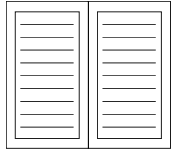
CityView™ louvres can be fitted with an integrated insect screen that does not interfere with the operation of the louvre blades. Some options include a barrier bar system, key locks and motorisation.



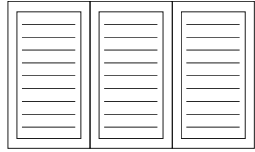
Louvre Window: Standard Configurations



LV



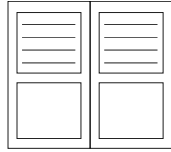
LV - LV



LV - LV - LV



LV / F



LV - LV / F - F



LV - LV - LV / F - F - F



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
101.6mm Operable Louvre Window	AZT0058.10	150	2,100	4,000

**Refer to Technical Manual for further details.*

Louvre Window: Technical Specifications



Design features

Maximum panel height	2,400mm
Maximum panel width	800mm
Maximum blade thickness	14mm
U-value	5.1 - 6.4

Options



Glass, Timber or Aluminium blade available as both operable & fixed
Left or right hand side controls available
Non-standard control position available
Manual map rod option for out of reach applications
Concealed motorised remote control option
102mm or 152mm blades (300mm on request)
Locking or non-locking
Restricted opening possible (70mm, 80mm, 100mm, 125mm)
Dual control possible
Alternative handle types available
Manual window (crank) available



COMMERCIAL FRAMING

Commercial Framing offers a wide range of framing options to meet your requirements. These include 76mm and 250mm options, front or centre glazing, and single or double glazing. The entire range has undergone stringent Australian standards testing at an independent NATA approved laboratory.

Testing for High Winds & Driving Rains:

Under the Building Code of Australia, we are required to produce windows and doors that meet mandatory minimum specifications under Australian Standard AS2047  and AS4284 



Commercial Framing Single Glazed: Technical Specifications

100 x 50mm Front Single Glazed

Maximum height	2,600mm
Maximum mullion width	1,300mm
Glass thickness	6mm – 12.38mm
Acoustic performance	Rw 36*
U-value	4.2 - 6.1
BAL fire rating	BAL40 Deemed to Satisfy

150 x 50mm Front Single Glazed

Maximum height	2,600mm
Maximum mullion width	1,300mm
Glass thickness	6mm – 12.38mm
Acoustic performance	Rw 36*
U-value	4.4 - 6.3
BAL fire rating	BAL40 Deemed to Satisfy

101.6 x 45mm Centre Single Glazed

Maximum height	2,600mm
Maximum mullion width	1,300mm
Glass thickness	6mm – 10.38mm
Acoustic performance	Rw 36
U-value	4.1 - 6.1
BAL fire rating	BAL40

	100mm FRONT SINGLE GLAZING	101.6mm CENTRE SINGLE GLAZING	150mm FRONT SINGLE GLAZING	100mm FRONT DOUBLE GLAZING	101.6mm CENTRE DOUBLE GLAZING	150mm FRONT DOUBLE GLAZING	150mm CENTRE DOUBLE GLAZING	250mm FRONT DOUBLE GLAZING
BAL40	○	✓	○	○	○	○	○	
AS2047	✓	✓	✓	✓	✓	✓	✓	✓
AS4284				✓		✓		
ACOUSTIC	○	✓	○	✓	✓	○	○	

○ = Solutions available. ✓ = Tested.

Commercial Framing Double Glazed: Technical Specifications

100 x 50mm Front Double Glazed

Maximum height	3,100mm
Maximum mullion width	1,300mm
Glass thickness	6mm - 28mm
Acoustic performance	Rw 41*
U-value	2.5 - 3.6
BAL fire rating	BAL40 Deemed to Satisfy

150 x 50mm Centre Double Glazed

Maximum height	2,600mm
Maximum mullion width	1,300mm
Glass thickness	6mm - 28mm
Acoustic performance	Rw 41*
U-value	2.7 - 3.8
BAL fire rating	BAL40 Deemed to Satisfy

101.6 x 50mm Centre Double Glazed

Maximum height	2,600mm
Maximum mullion width	1,300mm
Glass thickness	6mm - 28mm
Acoustic performance	Rw 41*
U-value	2.3 - 3.5
BAL fire rating	BAL40 Deemed to Satisfy

250 x 60mm Front Double Glazed

Maximum height	6,000mm
Maximum mullion width	1,300mm
Glass thickness	6mm - 44mm
Acoustic performance	Rw 41*
U-value	2.8 - 3.9
BAL fire rating	BAL40 Deemed to Satisfy

150 x 50mm Front Double Glazed

Maximum height	3,100mm
Maximum mullion width	1,300mm
Glass thickness	6mm - 28mm
Acoustic performance	Rw 41*
U-value	2.8 - 3.9
BAL fire rating	BAL40 Deemed to Satisfy

Thermally broken frames
& operable systems
available through the
Climateguard range.



** Estimates based on comparative system test reports
TL666-09-1 (Rw 41 with 8/10/10.5 Hush Lam)
& 4858-1 (Rw 36 with 10.38mm Lam)*



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AUSTRALIAN
**GLASS &
WINDOW**
ASSOCIATION