

KlassicView
Residential Window & Door Systems





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ABOUT KLASSICVIEW™

The **KlassicView™** range of residential windows and doors are an ideal choice for modern architectural requirements, meeting the latest design trends and performance specifications. Perfect for residential dwellings and semi-commercial buildings, the KlassicView™ range can be incorporated into a variety of louvre, awning, double hung and sliding configurations.

The Klassicview™ range consists of:

- 53 mm & 76 mm Sliding Windows
- 53 mm & 76 mm Awning Windows
- 53 mm & 76 mm Double Hung Windows
- 53 mm & 76 mm Fixed Frames
- 101.6 mm Louvre Windows
- 101.6 mm Sliding Doors & 165 mm Sliding Stacking Doors
- Hinged Doors
- A range of adaptors to create a range of window and door combinations.



ENERGY EFFICIENCY

WERS

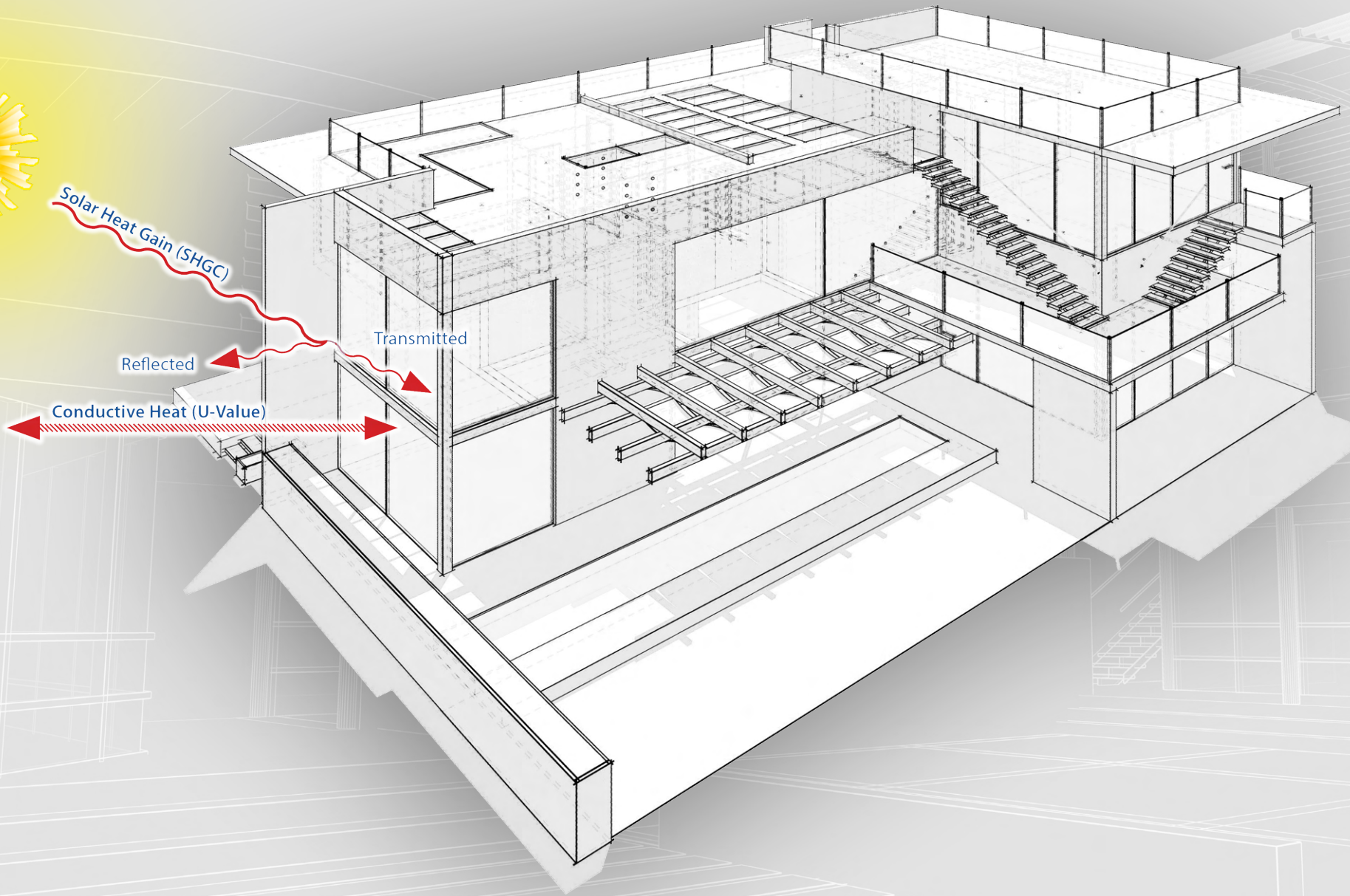
The Window Energy Rating Scheme (WERS) is accredited by the Australian Fenestration Rating Council (AFRC) and is compliant with the National Construction Code (NCC). Reports are prescribed for both the total window U-value (U_w) and the total window Solar Heat Gain Coefficient (SHGC).

U_w

U_w measures heat conductivity, calculating the rate of non-solar heat loss or gain through the total window system (glass, framing, seals). The U_w helps indicate how well a window or door will reject heat during Summer and retain heat during Winter. A lower number indicates better performance.

SHGC

Solar Heat Gain Co-efficient (SHGC) measures the total window system's ability to block heat transfer through direct sunlight. SHGC is expressed as a number between 0 and 1. A lower number indicates better blocking performance; however, a higher number might be appropriate in cooler climates or with specific building orientations.



ENERGY SAVING

WERS RATINGS FOR THE KLASSICVIEW RANGE

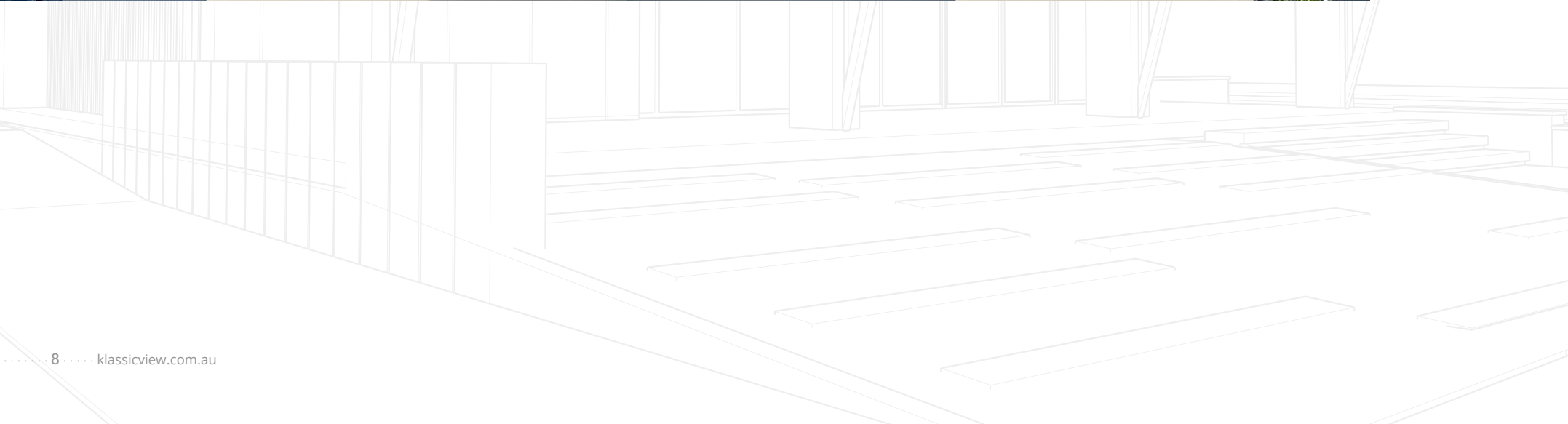
SAMPLE SELECTION

Window ID	Frame	Glazing	Cooling Stars	Heating Stars	Cool%	Heat%	U _w	SHGC _w	T _{vw}	Air Inf
DAR-027-01	KlassicView 76mm Awning Window - Single Glazed	6.38CPClr	★★★☆☆	★★★★★	37%	44%	5.2	0.52	0.58	0.35
DAR-027-01	KlassicView 76mm Awning Window - Single Glazed	6.38CPClr	★★★☆☆	★★★★★	37%	44%	5.2	0.52	0.58	0.35
DAR-027-02	KlassicView 76mm Awning Window - Single Glazed	10.38CPClr	★★★☆☆	★★★★★	40%	44%	5.1	0.49	0.56	0.35
DAR-027-02	KlassicView 76mm Awning Window - Single Glazed	10.38CPClr	★★★☆☆	★★★★★	40%	44%	5.1	0.49	0.56	0.35
DAR-027-03	KlassicView 76mm Awning Window - Single Glazed	10.38EVSpGn	★★★★☆☆	★★★★★	52%	32%	5.2	0.30	0.34	0.35
DAR-027-04	KlassicView 76mm Awning Window - Single Glazed	10.38EVGy	★★★★☆☆	★★★★★	51%	33%	5.2	0.32	0.22	0.35
DAR-027-05	KlassicView 76mm Awning Window - Single Glazed	10.38CPGy	★★★★☆☆	★★★★★	48%	37%	5.1	0.37	0.27	0.35
DAR-027-05	KlassicView 76mm Awning Window - Single Glazed	10.38CPGy	★★★★☆☆	★★★★★	48%	37%	5.1	0.37	0.27	0.35
DAR-027-06	KlassicView 76mm Awning Window - Single Glazed	10.38GyLam	★★★☆☆	★★★★★	36%	24%	6.4	0.45	0.29	0.35
DAR-027-06	KlassicView 76mm Awning Window - Single Glazed	10.38GyLam	★★★☆☆	★★★★★	36%	24%	6.4	0.45	0.29	0.35
DAR-027-07	KlassicView 76mm Awning Window - Single Glazed	10.38ClrLam	★★☆☆☆	★★★★★	28%	30%	6.4	0.56	0.60	0.35

For a full list of ratings, visit Darley Aluminium's WERS at

<http://awawers.net>





SLIDING WINDOW 53mm & 76mm

The KlassicView™ 53mm Sliding Window

combines functionality and premium quality with a modern slimline design. With a wide range of interlocks available, the 53mm Sliding Window also allows for the installation of a fly screen. Designed for Australian climatic conditions, the KlassicView™ 53mm sliding window has been tested and exceeds Australian Standard AS2047. Like all other KlassicView™ systems, it features an inbuilt weather flap, that reduces air and water penetration.



The KlassicView™ 76mm Sliding Window

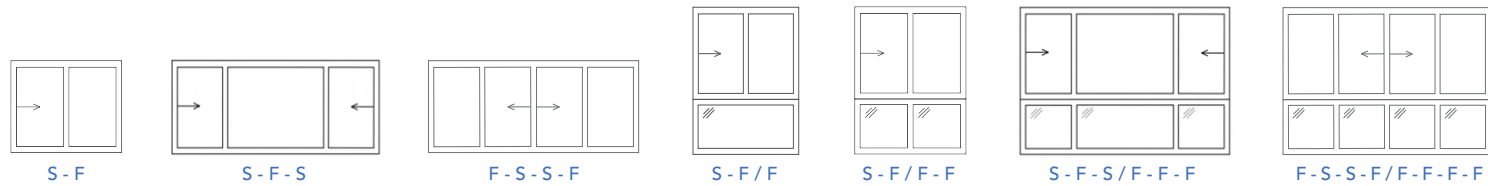
is designed to deliver high-performance and strength. Ideal for residential and architectural applications, it accepts a glass thickness of 4mm to 20mm and a sash weight of up to 80kg. The 76mm Sliding Window has a wide variety of interlock options for different wind loads and comes with a drain flap for protection against weather and air interference. Compatible with other KlassicView™ systems, it features a continuous jamb for seamless highlights and lowlights.



The 76mm Sliding Window has been tested to and exceeds Australian Standard AS2047 and was designed and engineered for Australian climatic conditions.



Sliding Window 53mm & 76mm: Standard Configurations



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
53mm Sliding Window*	AZT0223.14	250	1,200	2,100
76mm Sliding Window*	AZT0491.19	300	2,000	4,000
76mm Sliding Window*	Test Report No.	Rating		
BAL Fire Rating	FRT190467	BAL40		
Acoustic	TL666-03-1	Rw 36 with 10.5 Hush		
Fall Prevention	AZT0335.13	Pass - Restricted opening		

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

Sliding Window 53mm & 76mm: Technical Specifications

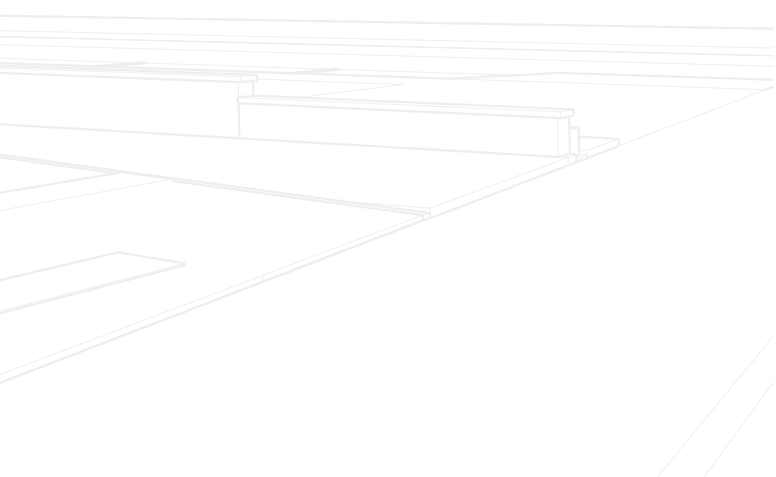
Design features

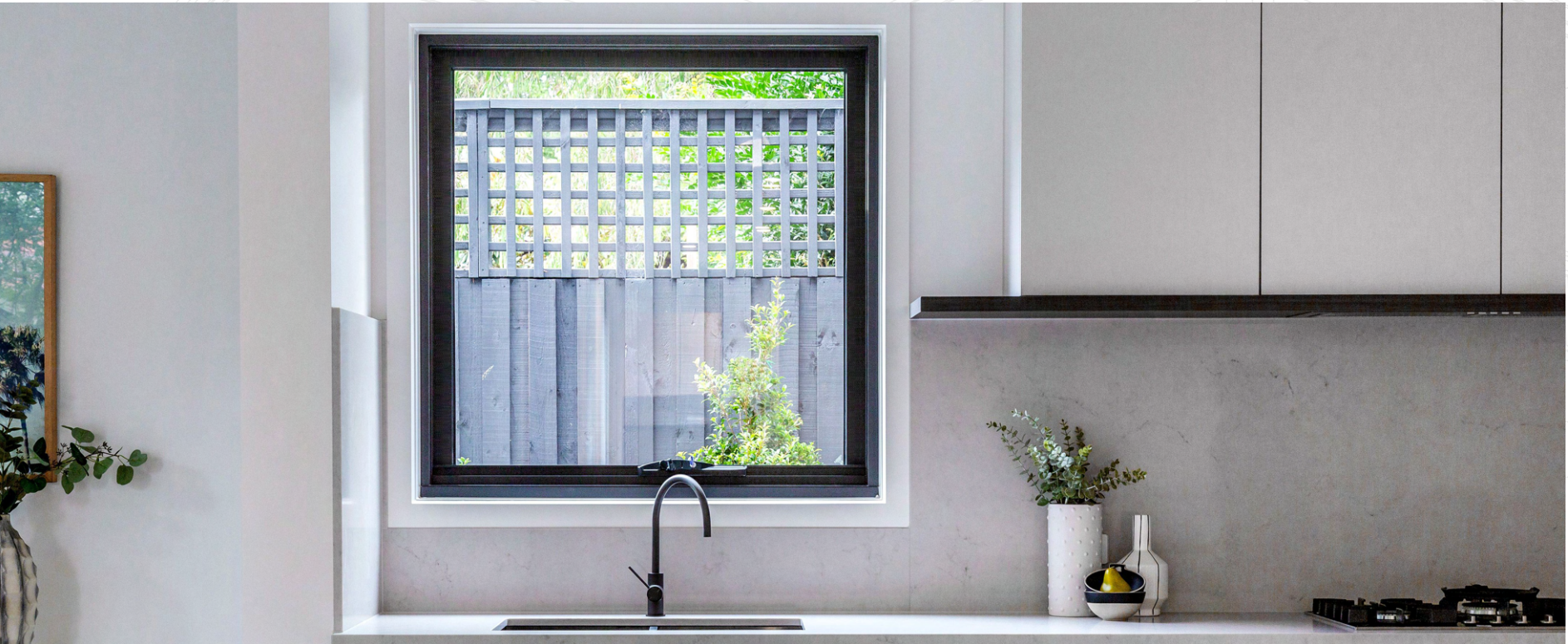
Frame	53mm	76mm
Flyscreen available	Yes	Yes
Maximum weight per panel	40kg	80kg
Maximum height	1,500mm	1,650mm
Maximum sash width	1,200mm	1,350mm
Mullion centre locking system	Yes	Yes
Acoustic performance	n/a	Rw 36 with 10.5 Hush
BAL fire rating	n/a	BAL40
Fall prevention	Pass - Restricted opening	Pass - Restricted opening

**See strength charts available in technical manual.*

Options

Frame	53mm	76mm
Accepts timber reveals	Yes	Yes
A range of interlocks available for high performance	Yes	Yes
Can be coupled to other KlassicView™ systems	Yes	Yes
Accepts glass thickness up to 10.38 mm single glazed	Yes	Yes
Accepts glass thickness up to 20 mm double glazed	n/a	Yes
Wide range of slide-fixed design combinations available including configurations with lowlights	Yes	Yes





AWNING WINDOW 53mm & 76mm

The ClassicView™ 53mm Awning Window

is a popular choice with builders and home owners, and is an ideal choice for when you are looking for unobstructed views and ventilation. Compatible with other ClassicView™ window and door systems. The 53mm awning window system features continuous jamb options. As with all ClassicView™ systems, the 53mm awning window system has been tested and exceeds Australian Standard AS2047.



The ClassicView™ 76mm Awning Window

offers high performance and a modern streamlined appearance. Perfect for a variety of applications, it also features a continuous jamb for seamless highlights and lowlights. The 76mm awning window system accepts a glass thickness of 4mm to 20mm and has been tested to and exceeds Australian Standards AS2047. Easy to assemble and install, the 76mm awning window was designed and engineered to suit Australian climatic conditions.



Awning Window 53mm & 76mm: Standard Configurations



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
53mm Awning Window*	AZT0027.17	300	600	1,300
76mm Awning Window*	AZT0028.17	250	600	1,500
76mm Awning Window*	Test Report No.	Rating		
BAL Fire Rating	FRT190467	BAL40		
Acoustic	TL769-09	Rw 35 with 10.5 Hush		
Fall Prevention	AZT0329.13	Pass - Chainwinder 900mm wide		

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

Awning Window 53mm & 76mm: Technical Specifications

Design features

Frame	53mm	76mm
Flyscreen available with simple clip system	Yes	Yes
Maximum weight per panel	27kg	27kg
Maximum height STD	1,500mm	1,650mm
Maximum height with additional latches	1,800mm	1,800mm
Maximum width	1,800mm	1,800mm
Sashes are square cut	n/a	Yes
Sashes are mitre cut	Yes	n/a
Acoustic performance	n/a	Rw 35 with 10.5 Hush
BAL fire rating	n/a	BAL40
Fall prevention	Pass - Chainwinder 900mm wide	Pass - Chainwinder 900mm wide

*See strength charts available in technical manual.

Options

Frame	53mm	76mm
Accepts timber reveals	Yes	Yes
Can be coupled to other KlassicView™ systems	Yes	Yes
Accepts glass thickness up to 10.38 mm single glazed	Yes	Yes
Accepts glass thickness up to 20 mm double glazed	n/a	Yes
Wide range of awning combinations available including configurations with sidelights, lowlights and highlights	Yes	Yes



DOUBLE HUNG WINDOW 53mm & 76mm

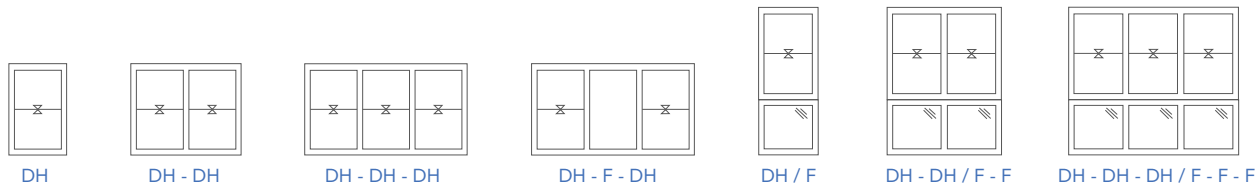
The **KlassicView™ 53mm Double Hung Window** is the perfect choice for modern, contemporary residential homes. With its slimline design complementing the latest architectural design trends, the KlassicView™ double hung window offers a premium level of quality and performance. Designed and engineered in Australia for Australian climatic conditions, it is available in a range of standard configurations. The entire KlassicView™ range has been tested and exceeds Australian Standard AS2047.



The **KlassicView™ 76mm Double Hung Window** incorporates the functionality of the KlassicView™ 53mm double hung window into a high performance version. With its slimline and modern design, this double hung window can be coupled with a fixed window system for lowlights, highlights and sidelights. It accepts a glass thickness of 4mm to 20mm and comes with a slide in flyscreen. Designed and engineered in Australia, this 76mm double hung window system has been tested and exceeds Australian Standard AS2047.



Double Hung Window 53mm & 76mm: Standard Configurations



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
53mm Double Hung Window*	AZT0224.14	200	1,000	2,700
76mm Double Hung Window*	AZT0148.13	250	1,200	2,800
76mm Double Hung Window*	Test Report No.	Rating		
Fall Prevention	AZT0334.13	Pass - Chainwinder 900mm wide		

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

Double Hung Window 53mm & 76mm: Technical Specifications

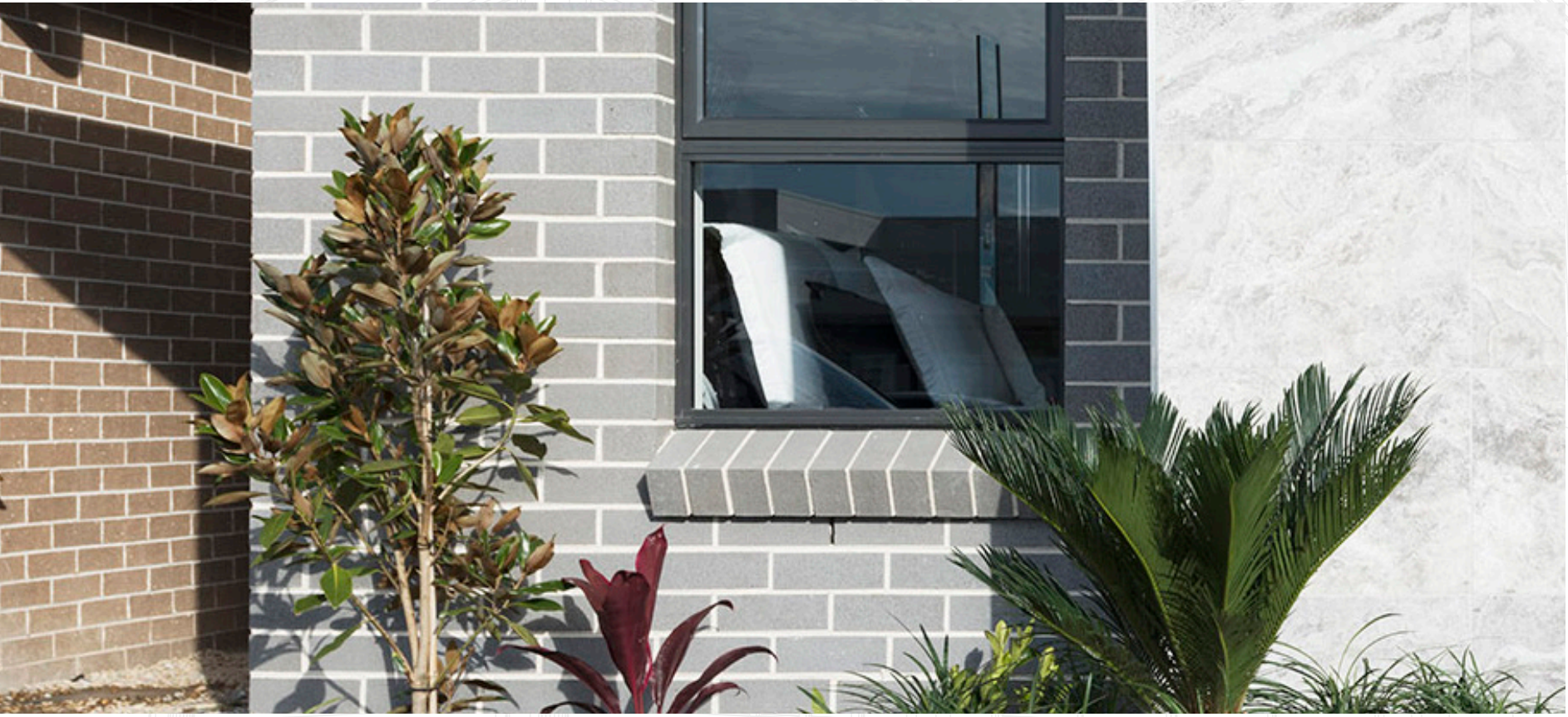
Design features

Frame	53mm	76mm
Flyscreen available	Yes	Yes
Maximum weight per panel	16kg	16kg
Maximum height	1,650mm	1,650mm
Maximum width	900mm	900mm
Finger slotted rail	Yes	Yes
Lock fitted to the interlocks without the use of a keeper	Yes	Yes
Fall prevention	Pass - Chainwinder 900mm wide	Pass - Chainwinder 900mm wide

*See strength charts available in technical manual.

Options

Frame	53mm	76mm
Accepts timber reveals	Yes	Yes
Can be coupled to other KlassicView™ systems	Yes	Yes
Accepts glass thickness up to 10.38 mm single glazed	Yes	Yes
Accepts glass thickness up to 20 mm double glazed	n/a	Yes



FIXED FRAME 53mm & 76mm

The KlassicView 53mm Fixed Frame

is the ideal solution to many residential or low end commercial requirements. The system works seamlessly within the 53mm suite and can also be combined with other Darley systems such as the 76mm suite and commercial suites. Featuring continuous jamb possibilities, the system can achieve a seamless highlight or lowlight for the ultimate outside view.



The KlassicView 76mm Fixed Frame

offers high performance and a modern, streamlined appearance. Perfect for a variety of applications, the system accepts a glass thickness of 4mm to 20mm and works seamlessly within the 76mm suite. It can also be combined with other Darley systems such as the 53mm suite and commercial suites. A wide variety of joining options are available for different wind loads.

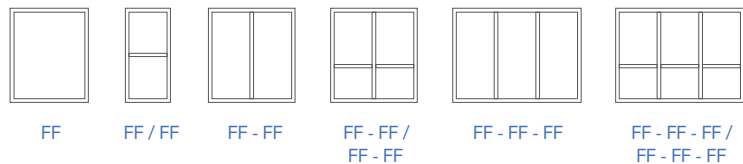


Easily assembled, all of the KlassicView™ 53mm and 76mm range can be purchased either in standard lengths. Designed for Australian climatic conditions, the KlassicView 53mm and 76mm fixed frame systems have been tested and exceed Australian Standard AS2047.

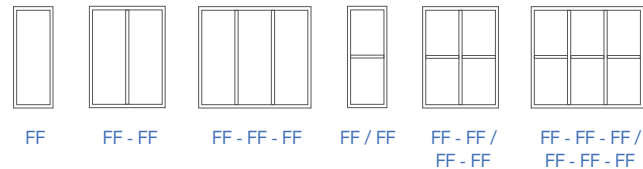


Fixed Frame: Standard Configurations

53mm



76mm



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
53mm Fixed Frame*	AZT0222.14	300	2,460	3,000
76mm Fixed Frame*	AZT0241.12	600	2,000	3,000
76mm Fixed Frame*	Test Report No.	Rating		
BAL Fire Rating	FRT190467	BAL40		
Acoustic	TL666-01-1	Rw 38 with 8.5 VLam Hush		

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

Fixed Frame 53mm & 76mm: Technical Specifications

Design features

Frame	53mm	76mm
Maximum height	1,200mm	1,500mm
Maximum width	900mm	1,000mm
Continuous jamb possibilities	Yes	Yes
Configurations include a variety of highlight, lowlight and sidelight options	Yes	Yes
Compatible with other ClassicView™ and commercial systems with the use of adapters	Yes	Yes

*See strength charts available in technical manual.

Options

Frame	53mm	76mm
Accepts timber reveals	Yes	Yes
Heavy duty joiners available for high performance	Yes	Yes
Accepts glass thickness from 4mm to 10.38mm	Yes	Yes
Accepts glass thickness from 4mm to 20mm	n/a	Yes



LOUVRE WINDOW 101.6mm

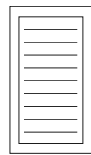
The **KlassicView™ Louvre Window** is an ideal choice if you looking for greater air flow, sunlight and ventilation in your home. With louvre blades available with heights of 102mm and 152mm, the KlassicView™ louvre window can be coupled



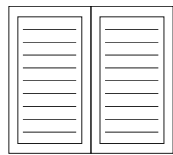
with any other KlassicView™ system with the addition of adaptors. Designed and engineered in Australia, the KlassicView™ 101.6mm louvre window has been tested and exceeds Australian Standard AS2047.



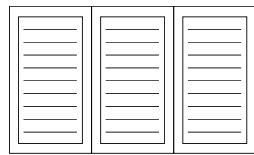
Louvre Window 101.6mm: Standard Configurations



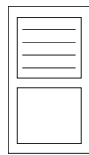
LV



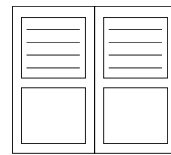
LV - LV



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
101.6 mm Louvre Window*	AZT0149.13	150	N/A	4,000

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

Louvre Window 101.6mm: Technical Specifications

Design features

Frame	101.6mm
Flyscreen available	Yes
Maximum width	900mm
Suitable for 6mm toughened glass and 6mm aluminium blades	Yes
Frame accepts flyscreen without the use of clips	Yes

**See strength charts available in technical manual.*

Options

Accepts timber reveals	Yes
Can be coupled to other KlassicView™ systems	Yes
Left or right-sided controls available	Yes
Locking available for the louvre blades	Yes



SLIDING 101.6mm & SLIDING–STACKING DOOR 165mm

The KlassicView™ Sliding-Stacking Door

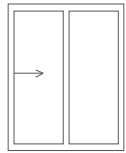
is a high-performance door and a perfect addition to any residential home. This sliding door system accepts a glass thickness of 5mm to 20mm and has an outer frame that incorporates a fly door track. It also has a range of heavy duty interlocks available



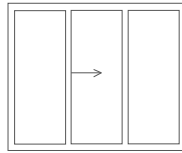
for high-performance and is compatible with other KlassicView™ window and door systems. As with all KlassicView™ systems, the KlassicView™ sliding stacking door has been tested and exceeds Australian Standard AS2047.



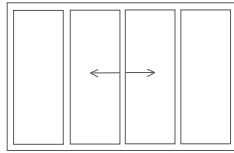
Sliding Door 101.6mm & Sliding-Stacking Door 165mm: Standard Configurations



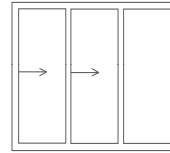
S - F



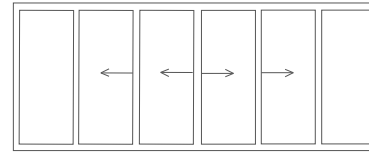
F - S - F



F - S - S - F



S - S - F



F - S - S - S - S - F



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
Sliding Door*	AZT2586.12	200	1,350	2,000
Sliding-Stacking Door*	AZT0283.12	250	850	1,330

	Test Report No.	Rating
BAL Fire Rating	FRT200457	BAL40
Acoustic	TL666-02-1	Rw 37 with 10.5 Hush

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

Sliding Door 101.6mm & Sliding–Stacking Door 165mm: Technical Specifications

Design features

Frame	101.6mm Sliding Door	165mm Stacking Door
Flyscreen track built into the frame system	Yes	Yes
Maximum weight per panel	120kg	120kg
Maximum height	2,400mm	2,400mm
Maximum panel width	1,000mm	1,000mm
Self-draining sill	Yes	Yes
BAL fire rating	BAL40	BAL40
Acoustic performance	Rw 37 with 10.5 Hush	Rw 37 with 10.5 Hush

**Maximum height dependant on site conditions, theoretical strength charts and panel widths.*

Options

Frame	101.6mm Sliding Door	165mm Stacking Door
Accepts timber reveals	Yes	Yes
Can be coupled to other KlassicView™ systems	Yes	Yes
Accepts glass thickness 5mm - 10.38mm single glazed	Yes	Yes
Accepts glass thickness up to 20mm double glazed	Yes	Yes
Double track available for a variety of door combinations	Yes	n/a
Triple track available for a variety of door combinations	n/a	Yes
Wide range of slide-fixed design combinations available including configurations with lowlights	Yes	Yes

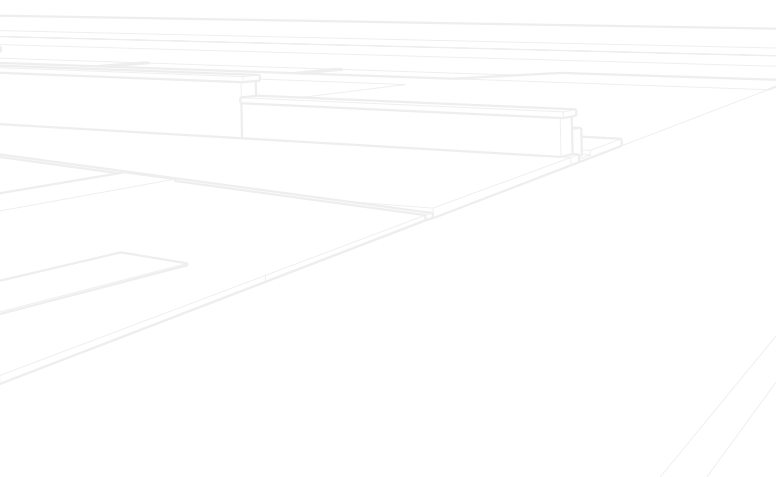


HINGED DOOR

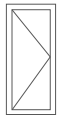
Make a statement with the front entrance of your home by installing a KlasicView™ hinged door. This french door system is the perfect balance of superior functionality and style. Available in a single panel french door configuration and double panel french door configuration, it also comes with a built-in fly screen groove.



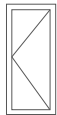
Compatible with other KlasicView™ window and door systems via the use of adapters, the KlasicView™ hinged door has an industry leading water rating of 250 Pa. As with all KlasicView™ systems, the KlasicView™ hinged door has been tested and exceeds Australian Standard AS2047.



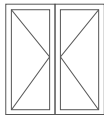
Hinged Door: Standard Configurations



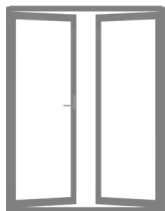
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FD



FD - FD



Type	Test Report No.	Water Rating PA	Structural PA	Ultimate PA
Hinged Door Single Outward	AZT0391.15	200	1,800	3,000
Hinged Door Single Inward	AZT0392.15	250	1,800	3,000
Hinged Door Double Inward	AZT0409.16	250	900	1,300
Hinged Door Double Outward	AZT0393.15	200	800	1,500
	Test Report No.	Rating		
BAL Fire Rating	FAS210316	BAL40		

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

Hinged Door: Technical Specifications

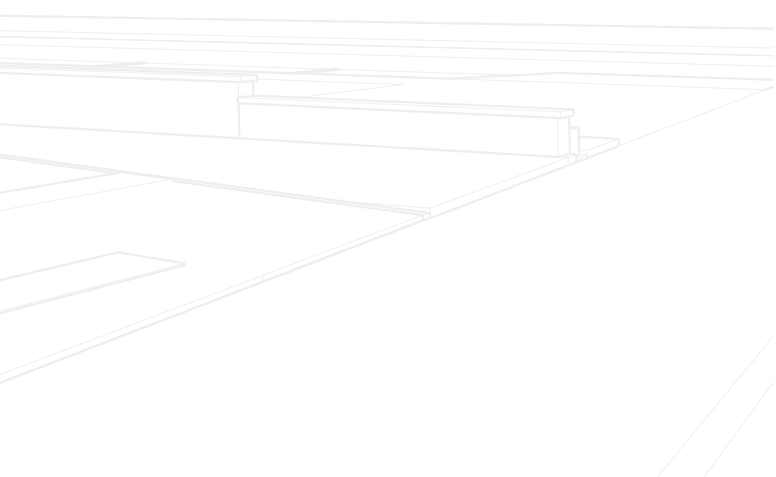
Design features

Frame	132mm
Available in single or double panel combinations	Yes
Inward or outward opening doors	Yes
Single and double glazing available with glass sizes 4mm - 10.3mm single glazed and up to 20mm double glazed	Yes
Adjustable hinges	Yes
Maximum height of 2,100mm and width of 900mm panels	Yes
BAL fire rating	BAL40

**See strength charts available in technical manual.*

Options

Frame	132mm
Accepts timber reveals	Yes
Can be coupled to the full KlasicView™ range of window and doors with the use of variety of adaptors	Yes
Inward and outward opening sills	Yes
Single and double doors	Yes





BAL40 BUSHFIRE RATED



A **BAL rating** is a Bushfire Attack Level (BAL) used to determine the potential for bushfire on a property. BAL40 is the highest rating before direct exposure to flames level and specifically refers to an increase in radiant heat from burning debris ignited by windborne embers.

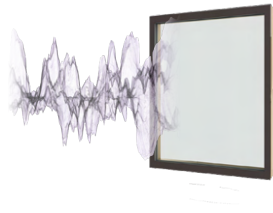
A BAL40 test was recently performed on the following KlassicView™ systems:

- KlassicView™ 76mm Sliding Window
- KlassicView™ 76mm Awning Window
- KlassicView™ 76mm Fixed Frame
- KlassicView™ Sliding Stacking Door
- KlassicView™ Hinged Door

Warringtonfire conducted the BAL40 test in June 2021, in accordance with the requirements outlined in AS1530.8.1. The above systems exceeded testing requirements and was able to withstand temperatures of up to 40kW without compromising the frame and glazing system. These systems are rated for BAL40 and can provide protection against ember attacks, burning debris, and exposure to flames.



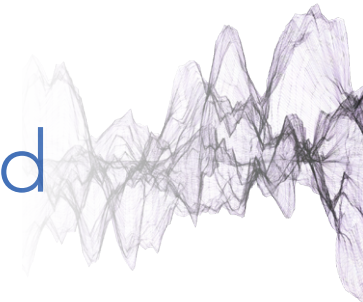
KlassicView™ Window & Door Systems: Rw Ratings



System	Glass Type	Test Report No.	RW Rating	C	Ctr
76mm Sliding Window	10.5 hush	TL666-03-1	36	-1	-2
	4/8/8.5 hush	TL666-04-1	37	-1	-3
76mm Awning Window	10.5 hush	TL769-09	35	-1	-1
	4/8/8.5 hush	TL666-08-1	33	-2	-2
76mm Fixed Frame	10.5 hush	TL769-09	35	-1	-1
	4/8/8.5 hush	TL666-08-1	33	-2	-2
101.6mm Sliding Door	10.5 hush	TL666-02-1	37	-1	-3
	4/8/8.5 hush	TL666-01-1	37	-1	-3
Hinged Door	6.38 lam	TL781-01	31	-1	-1

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

ACOUSTIC RATINGS: Rw Ratings Explained



With increased population density and further development of high-rise buildings, acoustic qualities in windows and doors are becoming far more important.

Sound is created when vibration of a surface is transferred into a medium such as air. This vibration causes air molecules to move, which is then interpreted by our ear drums. As such, sound can be defined as a longitudinal pressure wave caused by this vibration. The ear drums vibrate which is then interpreted by the brain as the sensation we hear.

Noise is unwanted sound. It can be caused by many things and can be unwanted for many reasons. Two examples of unwanted noise includes loud music during an inappropriate time (eg. sleep) and unpleasant sounds above safe decibel numbers (eg. construction work).

Glass properties and aluminium system designs can help reduce noise where needed. Sound is heard at different frequencies, and so standard calculation of sound needs to take this into consideration. To do this, AS/NZS ISO 717.1:2004 sets out parameters for the Weighted Sound Reduction Index R_w .

Sound reduction performance of an aluminium system is measured in R_w . The process of determining this figure also produces two additional parameters C and C_{tr} . These adaptation terms are used to modify the R_w number to better represent the sound reduction of glass for different types of noise.

For further information such as C and C_{tr} values, please contact your nearest Darley Aluminium office for a copy of our test reports or technical manuals.





TESTED TO AS2047



Tested to Australian Standards

Under the Building

Code of Australia,

we are required to produce windows and doors that meet mandatory minimum specifications under

Australian Standard (AS) 2047

- including AS1288.



Simulation of High Winds & Driving Rains

AS4420.2 Deflection Test

- positive & negative wind pressures are applied to the face of the window to test the maximum deflection under wind load.

AS4420.5 Water Penetration

Resistance Test

- to verify that no uncontrolled water leaks through the window into the building.



Operating Force Requirement

AS4420.3

Operating Force Test

- to verify that an opening sash is capable of opening and closing without undue effort.

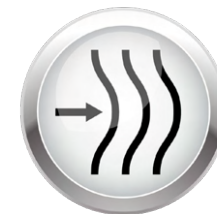


Air Filtration Pressure

AS4220.4

Air In Filtration Test

- the air leakage of a window is tested to ensure energy and acoustic efficiency.



Ultimate Strength Test

AS4420.6

Ultimate Strength Test

- negative & positive wind pressures are applied to the window to at least 1.5 times the design wind pressure to ensure it does not fail in unusual wind conditions.



KlassiView

Residential Window & Door Systems

www.klassicview.com.au

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