



aneeta®
Sashless Window Systems

Aneeta Sashless Windows are an innovative and aesthetic solution suitable for all building environments. The slim profiles, available in either aluminum or timber frames and covers with concealed locks, exist harmoniously within your building context. Unobtrusive and minimalist, Aneeta Windows complement your design landscape rather than dominate it.

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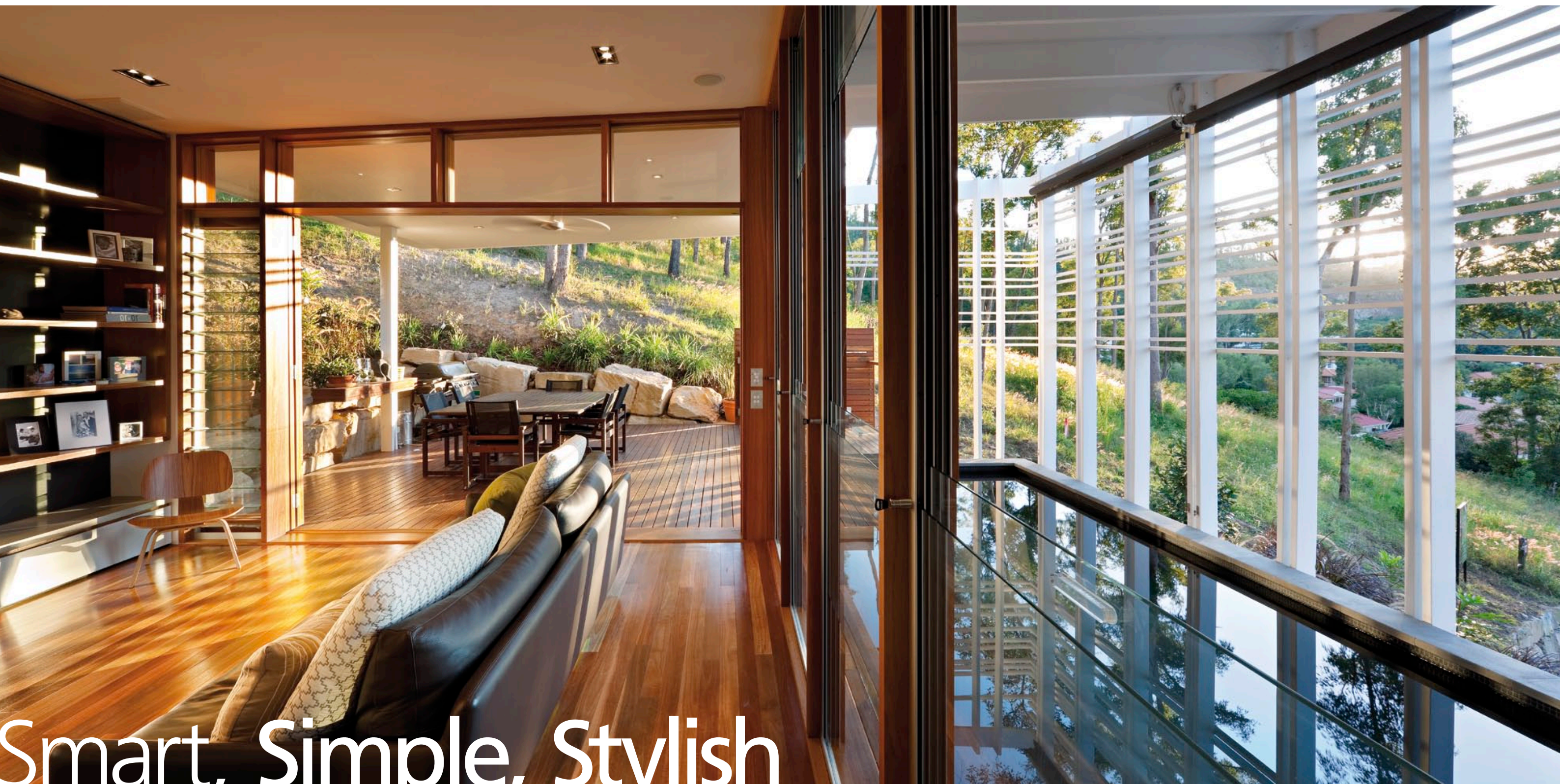


Our membership with the Australian Window Association is our guarantee of performance.



The Aneeta Windows 300 Series Double Glazed Sashless Horizontal Slider received "The Most Innovative Window System" award at the AWA Design Awards in 2010.





Smart, Simple, Stylish

Aneeta sashless windows are a popular choice with architects, interior designers and home owners.

They deliver the look of fixed glass with the practicality of a opening window. Best described as two panes of glass which overlap when opening or closing, the simplicity and sleek look define why the windows are referred to as "sashless".

Aneeta Sashless Windows are designed to be sympathetic to the uniqueness of each building. They are remarkably versatile in either new or existing structures and do not require close tolerances to work perfectly.

The Aneeta Story

Aneeta commenced manufacturing in Melbourne, Victoria in 1994. Aneeta was successfully able to identify a market where a company was required to purely specialise in the manufacturing of sashless windows without being a manufacturer of timber and/or aluminium frames.

The company's original offering was a standard 2 pane vertical sashless double hung with 6mm glass. This product has

now developed into a comprehensive window range to suit all domestic and commercial window requirements. The range includes 3 & 4 Pane options, doors, Horizontal Sashless Sliders, 16mm & 22mm double glazing, and custom manufacturing.

The business now has offices in Sydney, Brisbane, Perth and Adelaide operating alongside it's Melbourne Head Office. Aneeta also oversees licensing agreements

in New Zealand, Singapore and the Philippines, with products also being exported to PNG, Tonga and Hawaii.

Aneeta sashless windows have now become the brand of choice among architects, builders and homeowners alike. If you would like to know more, please contact one of our offices or visit us online www.aneetawindows.com



Vertical Sliders

2 Pane

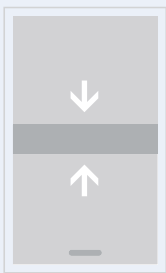
The 2 Pane Vertical Slider is Aneeta's most popular product for residential and commercial projects.

An ideal alternative to traditional windows, the clean slimline design will not detract from the overall architectural aesthetic. Aneeta 2 Pane Sashless windows provide the maximum viewing area possible. Features include a centre fin for superior weather performance, a lock open position and concealed fixings. The double hung counter balance system is easy to operate and allows for superior ventilation, ideal for both homes and commercial environments.

In addition to the counter-balance system, this product is also available in a single hung serverly style (with one of the panes fixed at either the top or bottom) which is ideal for commercial applications such as ticketing booths, restaurants and cafes.

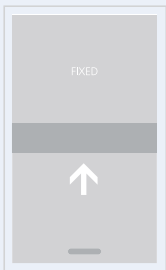
Aneeta Window Systems can also be tailored to fit openings that require raked or arched heads and sills. Available to suit either timber or aluminium frames they can be fitted with either 6 or 10mm single glazing or 16mm double glazed panels.

Counterbalanced

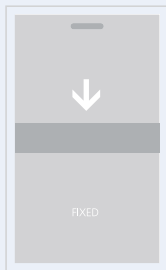


VS2PSS

Single Hung Serverly Style



VS2PFS



VS2PSF

Glass Options

The Aneeta 2 Pane Vertical Slider range is available in the following glass:

- 6mm or 10mm Single Glazed
- 16mm Interlocked Double Glazed
- 16mm Clearstep™ Double Glazed

Frame Options

The Aneeta 2 Pane Vertical Slider range is available in the following frames:

- Timber
- Aluminium
- Composite (Aluminium Outside / Timber Inside)





Vertical Sliders

3 Pane

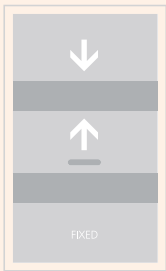
The Aneeta 3 Pane Vertical Slider has one fixed window pane either at the top, middle or bottom and can be tailored to suit a multitude of applications.

With a fixed bottom pane this system satisfies window egress requirements on multi-storey projects while maintaining the stylish floor to ceiling sashless look. The 3 Pane Vertical system is also very popular for use around pools and garden beds with a fixed bottom pane at an approved height to eliminate water ingress and pedestrian traffic.

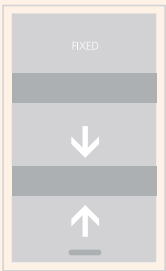
In addition to the counterbalanced system, the 3 Pane Sashless window is also available in a single hung servery style whereby the top and bottom panels are fixed and the centre pane moves. This allows for airflow through the centre section rather than at floor level.

Available to suit either timber or aluminium frames they can be fitted with either 6 or 10mm single glazing or 16mm double glazed panels.

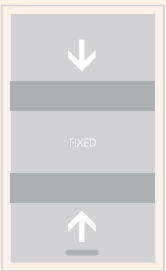
Counterbalanced



VS3PSSF

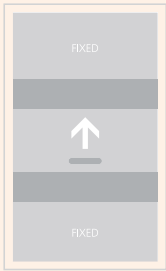


VS3PFSS

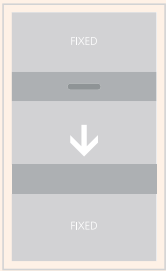


VS3PSFS

Single Hung Servery Style



VS3PFSF (up)



VS3PFSF (down)

Glass Options

The Aneeta 2 Pane Vertical Slider range is available in the following glass:

- 6mm or 10mm Single Glazed
- 16mm Interlocked Double Glazed
- 16mm Clearstep™ Double Glazed

Frame Options

The Aneeta 2 Pane Vertical Slider range is available in the following frames:

- Timber
- Aluminium
- Composite (Aluminium Outside / Timber Inside)





Vertical Sliders

4 Pane

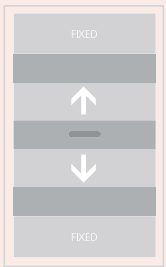
The unique Aneeta 4 Pane Vertical Slider is considered the pinnacle of the Aneeta range.

In its most common form the two centre panes form the opening part of the window while the top and bottom panes remain fixed. This system completes the Aneeta Sashless Vertical Range and alternative options give planners and specifiers the ultimate freedom to mix and match.

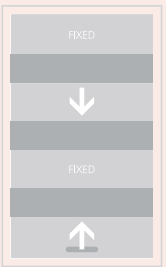
The Aneeta 4 Pane variation has been adopted and implemented by architects and specifiers in numerous applications such as wintergardens, restaurants, cafes, and hotels and is extremely popular when used in building facade work.

Available to suit either timber or aluminium frames they can be fitted with either 6 or 10mm single glazing or 16mm double glazed panels.

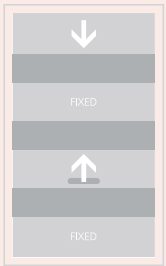
Counterbalanced



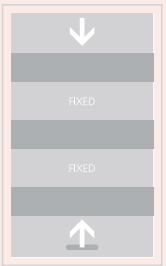
VS4PFSSF



VS4PFSFS



VS4PSFSF



VS4PSFFS

Glass Options

The Aneeta 2 Pane Vertical Slider range is available in the following glass:

- 6mm or 10mm Single Glazed
- 16mm Interlocked Double Glazed
- 16mm Clearstep™ Double Glazed

Frame Options

The Aneeta 2 Pane Vertical Slider range is available in the following frames:

- Timber
- Aluminium
- Composite (Aluminium Outside / Timber Inside)



Horizontal Sliders

The revolutionary, Aneeta designed, 300 Series Sashless Horizontal Slider is the only tested and certified 300pa (water) horizontal sashless window on the market.



The Aneeta Windows 300 Series Double Glazed Sashless Horizontal Slider received "The Most Innovative Window System" award at the AWA Design Awards in 2010.

Tested to an N5 rating it is ideal to prevent wind and water entry in exposed locations including coastal, balcony, courtyard and heavy traffic areas.

Compliant with Australian Standard AS2047, the 300pa Horizontal Slider also surpasses the requirements for 'air conditioned buildings' which makes it suitable for both commercial and residential applications including new homes, apartments, schools, restaurants, cafes, care facilities, renovations and retrofits.

With contemporary slim lines this product has the appearance of fixed glazing and does not detract from the overall architectural aesthetic. This makes it a popular alternative to traditional windows in residential / commercial applications and as such, many homes are now being specified with all opening windows as sashless units.

Available to suit either timber or aluminium frames, all horizontal configurations can be fitted with either 6 or 10mm single glazing or 22mm double glazed sliders. To further improve the energy performance in extreme climate zones the 22mm double glazed model is available in a Thermally Broken version as well.



Glass Options

The Aneeta Horizontal Slider range is available in the following glass:

- 6mm or 10mm Single Glazed
- 22mm Interlocked Double Glazed

Frame Options

The Aneeta Horizontal Slider range is available with the added option of a Thermally Broken frame in the double glazed version.

2 Pane Horizontal

The 2 Pane Horizontal Slider is Aneeta's most popular horizontal product for residential and commercial projects. The slimline design includes two independent opening sections to allow for maximum ventilation.

Individually Sliding

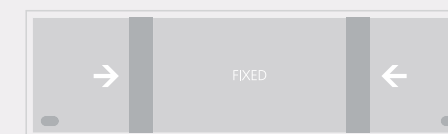


HS2PSS

3 Pane Horizontal

The 3 Pane Horizontal Slider maintains all the benefits and appearance of the 2 Pane system, while adding an extra pane and allowing either 1 or 2 of the panes to be fixed. This suits the use of extra wide window configurations with operation and airflow controlled to specific locations.

Individually Sliding



HS3PFS



HS3PFSF

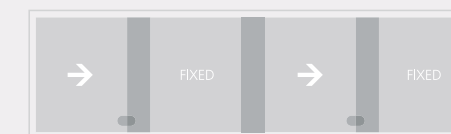
4 Pane Horizontal

The 4 Pane Horizontal Slider maintains all the benefits and appearance of the 2 and 3 Pane systems. The addition of an extra pane enables us to incorporate extra configurations. By targeting extra wide window configurations, the 4 Pane system maintains an easy operation and controlled airflow to specific locations.

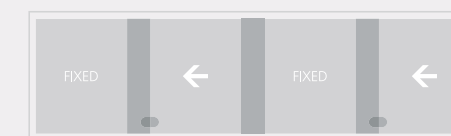
Individually Sliding



HS4PFSSF



HS4PSFSF



HS4PFSFS



Double Glazed

The Aneeta window range is available in energy efficient and noise insulating double glazing.

Becoming very popular, particularly in the cooler states such as Tasmania and Victoria, Aneeta offers two double glazed options. Our standard interlocking product and our patented Clearstep™ double glazed system.

Our standard interlocking product uses a visible aluminum interlock at the centre where the two panes meet. In contrast the patented Aneeta Clearstep™ double glazed product is designed with an overlap of glass between the top and bottom panes, resulting in a seamless, sashless look.

Both Aneeta double glazed product options deliver a range of benefits including improved energy efficiency and comfort, resulting in lower heating and cooling costs. The Aneeta double glazed system reduces noise transmission making it perfect for homes adjacent to high traffic areas or where sound insulation is desired. Additional benefits include reduced condensation and increased security.

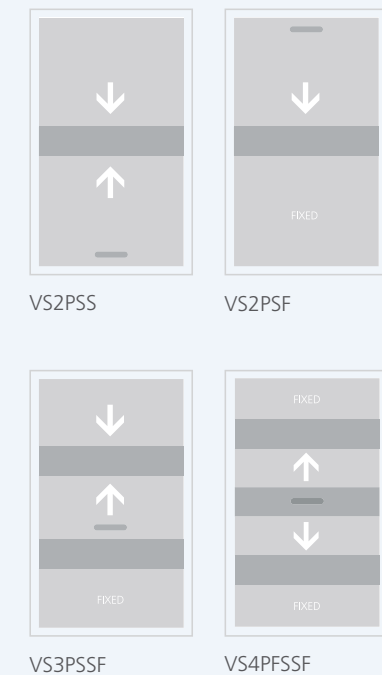
Clearstep™

Double Glazed sashless Double Hung Window

Clearstep™ provides all the benefits of traditional double glazed windows with the seamless look and style of a sashless window. Clearstep™ is ideal for colder climates and where high glazing levels are needed to meet energy rating requirements.

- Looks almost identical to our single glazed sashless windows
- Provides the “raw” industrial look preferred by designers
- Designed with the slimmest sash framing system available
- Provides a superior thermal performance
- Available in all vertical slider configurations i.e. counterbalanced and single hung 2 Pane, 3 Pane and 4 Pane
- Double Glazed units are designed around a 16mm overall size, which are suitable for glass sizes of:
 - > 4 glass / 8 air (argon) / 4 glass
 - > 4 glass / 6 air (argon) / 6 (6.38) glass

Typical Configurations

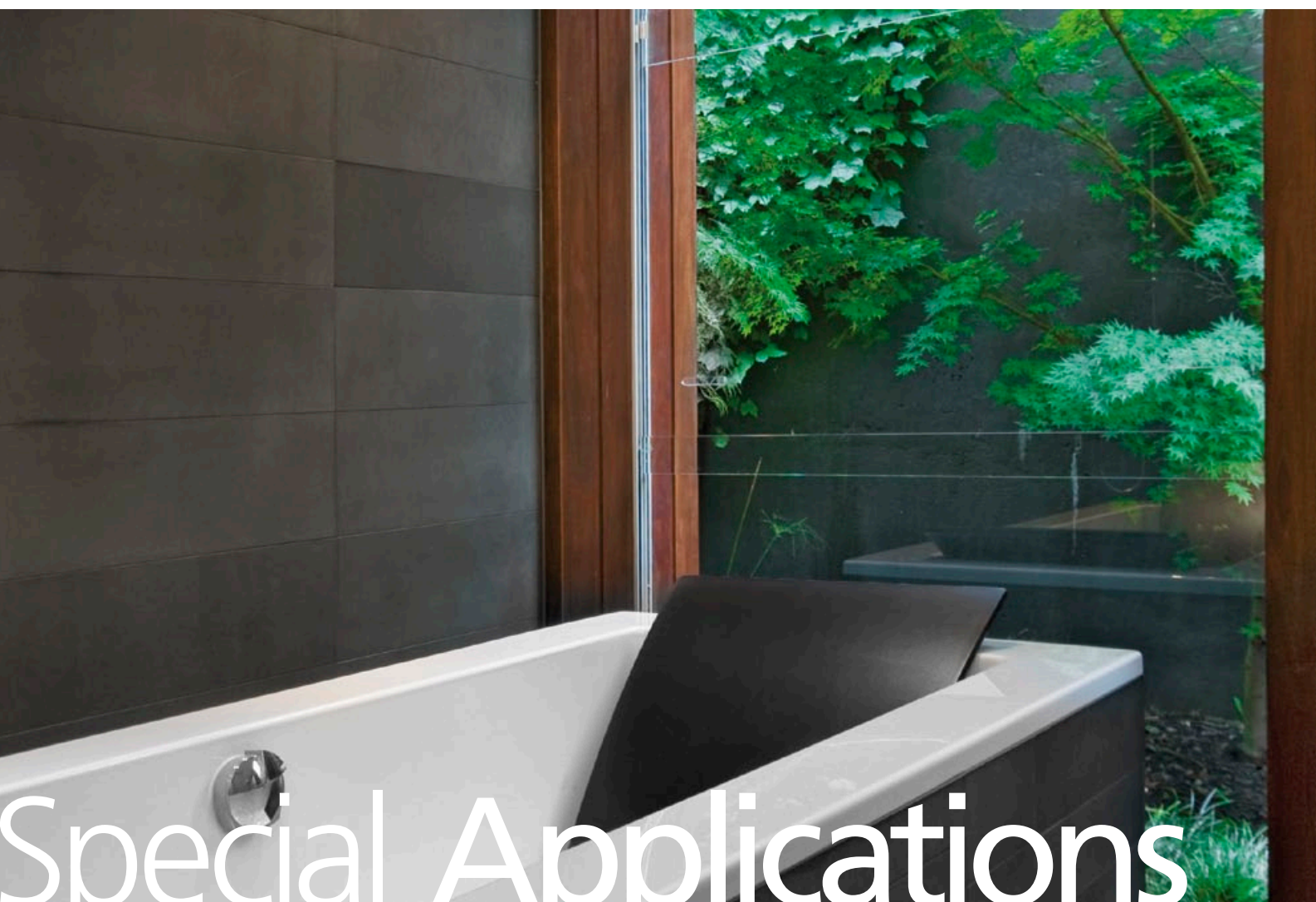


The 1st True Double Glazed Sashless Window

The patented Aneeta Clearstep™, double glazed, double hung window results in an overlap of glass between the top and bottom panes. The aluminum interlocking rails are replaced with an extruded clear lap seal complete with weather-strip. The end result – a double glazed sashless window that complements our 6mm and 10mm single glazed units.

AUS Patent No. 2005201474 / US Patent No. 7,716,875





Special Applications

Aneeta Windows are innovators in sashless window systems. We are often approached to undertake projects of unusual and often challenging nature. A list of the more unusual projects completed include:

Lifeguard towers at Tamarama and Bondi Beach in Sydney, NSW. The request was for clear uninterrupted views with a need for ventilation due to the heat. As seen on TV reality show, Bondi Rescue.

A facade facelift request on a project in St. Kilda Road, Melbourne required Aneeta Windows to insert stainless steel mesh in our sashless system for the exterior upgrade of the building.

All windows in new retirement village projects – chosen for their ease of use, low maintenance and energy characteristics.

Acoustic

Aneeta became an approved supplier for the Sydney Aircraft Noise Insulation Project (SANIP) back in 1997.

Through this endeavor we have developed certain products suitable for various acoustic applications (backed by NATA approved laboratory tests). Some options are:

- Using a heavier glass such as 10.38mm laminated glass (STC=32)
- Retrofitting or designing in an Aneeta sashless unit to the inside of another window (primary and secondary window arrangement, provides STC's of 45 or more)

From the above achievements we are continually updating our designs (such as aiming for low air-infiltration rates) to increase the acoustic performance of our standard product range.

APPROX ACOUSTIC STC RATING	1	2	3	4	5
28	✓	✓	✓	✓	✓
29	✓	✓	✓	✓	✓
30	✓	✓	✓	✓	✓
31	✗	✓	✓	✓	✓
32	✗	✓	✓	✓	✓
33	✗	✗	✓	✓	✓
↓	✗	✗	✗	✓	✓
40	✗	✗	✗	✓	✓
45	✗	✗	✗	✗	✓

1 = Aneeta acoustic model 6mm single Glazed
2 = Aneeta acoustic model 10mm single Glazed
3 = Aneeta acoustic model 4/8/4mm Double glazed
4 = acoustic model 1 fitted as an internal secondary window to existing windows
5 = acoustic model 1 fitted as an internal secondary window to new awning style windows

Bushfire

Aneeta Windows have developed a version of their Vertical Sliders that are suitable to use in bushfire prone areas. By undertaking redesign of certain components, seals and using special glass types, this version is suitable right up to BAL40 (Bushfire Attack Level) according to Australian standard AS3959.

Retrofit

Not only are Aneeta inserts specified for new buildings, they can also be retrofitted in many cases to existing window frames.

Where suitable the outer or mainframe can be retained and an Aneeta sashless insert can be installed. This gives a very cost effective way to:

- Remove fixed glass and fit a sashless to provide ventilation
- Upgrade old style opening windows that have ceased operating
- Upgrade from single glazing to "low e" or "double glazing" for greater energy efficiency within your home
- Upgrade a door panel to include our window system

Often as window frames are already in place, the retrofitting service can be provided direct to the builder or homeowner.

Doors

One unique feature of a sashless window is that they can be fitting into a door. As the sashless system is slim line and requires minimal space, instead of just fixed glass in a door you can have an opening window.

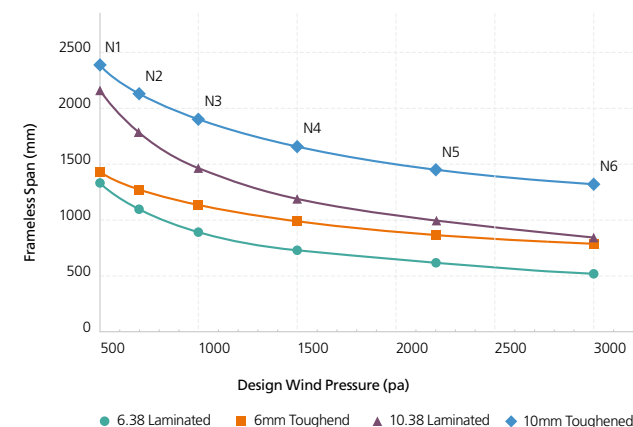
- Suitable for bi-fold, french, sliding and fixed door panels
- Suits both timber and commercial grade alum doors
- Allows you to fit a flyscreen to the sashless window, hence no need for flydoors
- Ideal for areas where you only have space for doors, but would like a means of ventilation (i.e. living areas, bedroom, laundries etc.)

Note: Not all door types are suitable for sashless windows.

Technical Details

Weather Performance

Our range of standard models are rated for a minimum of 150-300pa water (depending on model) whilst the wind load is dependent on the glass type. As a rough guide the maximum glass widths are at a rating of 500pa wind load and as the width decreases the rating increases. We have tested certain models up to 1000pa water and 6000pa wind load, which are very high results, even for commercial window products. The performance requirements for windows in Australia is deemed by a 'N' rating, which determines the type of glass suitable for a particular design (refer to table).



For Double Glazing (i.e. 4mm/ space/ 4mm toughened) approximate with the 6mm Toughened curve.

NOTE: The above graph is to be used as a guide only. Further weight & size limitations may apply. For anything spanning over 1400mm, please contact Aneeta Windows.

Specifying Aneeta

The best way to specify an Aneeta sashless window is to specify the model, for example:

- ANEETA VS3P16CSSSF is a vertical slider 3 pane Clearstep double glazed window with the top 2 panes counterbalanced and the bottom fixed
- ANEETA HS3002P10SS is a 300 series horizontal slider with 10mm glass, and both panes sliding

Testing

Our windows are tested to AS2047 which generally specifies the requirements for design wind load, water penetration and air-infiltration. We have also undertaken acoustical testing of certain models to the requirements of AS1191 and AS1276.



Energy

Performance of windows has become very important in Australia recently due to both our commitment to 5+ star ratings on housing to save energy consumption, and also to increase the comfort level of occupants. We want more glass area, and also want to be able to let fresh air in. Aneeta can offer either single glazed windows with low e glass or double glazed windows (also with low e glass) to meet your differing energy requirements. Exact performance data can be accessed from the Aneeta website www.aneetawindows.com or the official Window Energy Ratings scheme (WERS) website www.wers.net

Window Energy Ratings Scheme

	Cooling Star Rating	Heating Star Rating	U Value	SHGC	Cooling % Improvement	Heating % Improvement
ANEETA ALUMINIUM SINGLE GLAZED VERTICAL & HORIZONTAL SLIDER						
6mm clear glass	☆	★★	6.8	0.69	14	8
6mm grey tinted glass	★★		6.8	0.49	32	-1
6.38 clear laminated glass	☆	★★	6.8	0.69	15	9
6mm Sunergy low e glass	★★	★★☆	5.5	0.51	37	19
6mm EnergyTech low e glass	★★	★★★	5.1	0.60	32	28
6mm Solar E (neutral) low e glass	★★	★★☆	5.1	0.44	44	21
ANEETA ALUMINUM DOUBLE GLAZED VERTICAL SLIDER						
4 clear / 8 air / 4 clear glass	☆☆	★★★★	4.4	0.64	31	36
4 clear / 8 argon / 4 low e clear glass	★★☆	★★★★☆	3.5	0.60	39	45
4 evergreen / 8 argon / 4 low e clear glass	★★★★	★★★★☆	3.5	0.36	57	33
4 clear / 8 air / 4 Sunergy low e glass	★★☆	★★★★	4.2	0.56	39	35
4 clear / 8 air / 4 EnergyTech low e glass	★★	★★★★	4.1	0.59	37	38
6 Solar E (neutral) / 6 air / 4 clear glass	★★★	★★★★☆	3.9	0.47	47	35
ANEETA TIMBER SINGLE GLAZED VERTICAL & HORIZONTAL SLIDER						
6mm clear glass	★★	★★★	5.5	0.71	18	26
6mm grey tinted glass	★★	★★☆	5.5	0.50	37	16
6.38 clear laminated glass	★	★★★	5.4	0.71	19	26
6mm Sunergy low e glass	★★☆	★★★★☆	4.0	0.52	43	35
6mm EnergyTech low e glass	★★	★★★★☆	3.6	0.61	37	44
6mm Solar E (neutral) low e glass	★★★	★★★★	3.6	0.45	50	36
ANEETA TIMBER DOUBLE GLAZED VERTICAL SLIDER						
4 clear / 8 air / 4 clear glass	★★	★★★★★	3.2	0.64	36	51
4 clear / 8 argon / 4 low e clear glass	★★★	★★★★★	2.3	0.60	44	60
4 evergreen / 8 argon / 4 low e clear glass	★★★★☆	★★★★★	2.3	0.36	63	47
4 clear / 8 air / 4 Sunergy low e glass	★★★	★	3.0	0.56	45	50
4 clear / 8 air / 4 EnergyTech low e glass	★★☆	★★★★★	2.9	0.59	42	53
6 Solar E (neutral) / 6 air / 4 clear glass	★★★☆	★★★★★	2.6	0.47	53	49
ANEETA 300 SERIES HORIZONTAL SLIDERS (DOUBLE GLAZED) UNBROKEN MODEL HORIZONTAL SLIDER						
4 clear / 14 air / 4 clear glass	★★	★★★★	3.8	0.64	35	42
4 clear / 14 argon / 4 low e glass	★★★	★★★★☆	2.8	0.60	44	55
THERMALLY BROKEN MODEL						
4 clear / 14 air / 4 clear glass	★★	★★★★	3.2	0.64	36	51
4 clear / 14 argon / 4 low e glass	★★☆	★★★★★	2.2	0.60	47	63



Aneeta Windows pride themselves on being innovators in sashless window systems. Please note many of our systems contain specific design elements and as such we protect our inventiveness by obtaining worldwide patents and design protection where possible.

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