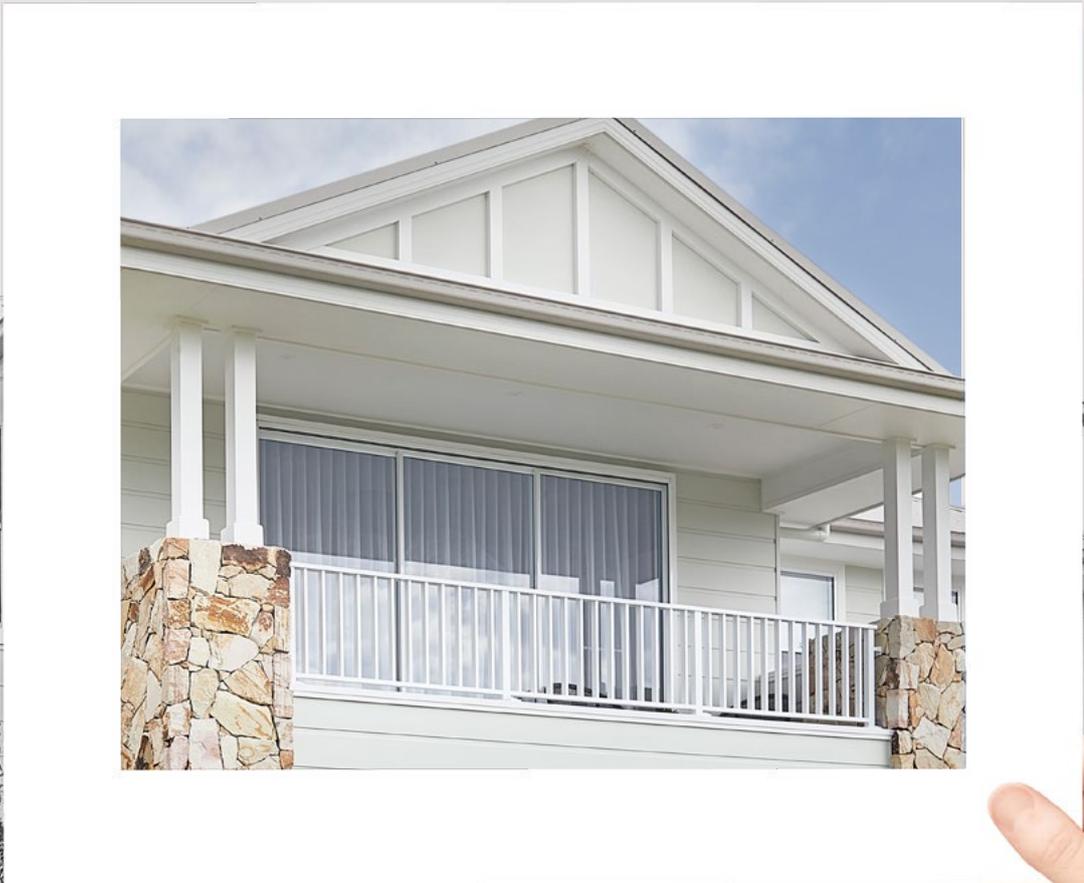


ALUMINIUM WINDOWS AND DOORS

HORIZON
WIDELINE RESIDENTIAL RANGE

TECHNICAL GUIDE





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TAKE A CLOSER LOOK



WHY BUILDERS, ARCHITECTS AND HOME OWNERS CHOOSE WIDELINE

WELCOME TO THE BRIGHT FUTURE IN WINDOW DESIGN AND CONSTRUCTION. WIDELINE IS ONE OF THE BEST KNOWN AND TRUSTED WINDOW AND DOOR BRANDS IN AUSTRALIA. WE ARE PROUD OF OUR 50 YEAR AUSTRALIAN HERITAGE AND OUR REPUTATION FOR PRODUCING ARCHITECTURAL PRODUCTS OF THE HIGHEST STANDARD.

Advanced technology, innovation and beauty, these are the hallmarks of the Wideline range of Horizon windows and doors.

Using advanced manufacturing technology and innovative design solutions, Wideline creates doors and windows that meet the needs of discerning homeowners for attractive modern designs, energy efficiency and bushfire safety.

Design versatility and a range of quality accessories offer you the ultimate flexibility to create the look you want for your home.

Tested for safety, energy efficiency and quality, every Horizon product is backed by a comprehensive written 7 year guarantee.



THE KNOW-HOW BEHIND OUR WINDOWS AND DOORS

BUILDERS AND ARCHITECTS KNOW THAT THERE IS MORE TO WIDELINE'S WINDOWS AND DOORS THAN MEETS THE EYE. THE SIMPLE ELEGANT DESIGNS BELIE THE SCIENCE AND TECHNOLOGY THAT IS PRESENT IN EVERY PRODUCT.

You can feel safe in the knowledge that every Wideline product has been rigorously researched and tested to ensure the very best performance in Australian conditions.

Build quality

Wideline have been making windows and doors at our manufacturing premises in NSW for 50 years. Our range of windows and doors are built from the highest quality materials and finishes.

All windows and doors are designed to be durable and easy to operate without compromising on their aesthetic appeal. They are backed by a comprehensive warranty and offer exceptional quality and value.

Energy efficiency

All our windows and doors have been expertly tested by Australian Fenestration Rating Council (AFRC) accredited simulators and are designed to enhance the comfort of your home and reduce energy costs by actively insulating your home from temperature extremes.

Glass

Glass technology has advanced dramatically in recent years.

Wideline offer a comprehensive range of glazing options. The right glazing option can provide:

- Added strength and security
- Improved energy efficiency
- Self cleaning
- Improved comfort
- Improved privacy.

SecureLine™ security screens

Enjoy clear, unobstructed views whilst keeping your home safe and secure with SecureLine™ security screens.

Offering the ultimate in security without compromising on your view or design, SecureLine™ screens are made from the highest quality marine grade stainless steel mesh. SecureLine™ has surpassed all of the requirements of the Australian Security Door Standard AS5039 - 2008.

Insect and safety screens

Keeping the 'outdoors', outdoors is essential in Australia's natural environments.

Our insect and safety screens protect you from just about everything from bugs to bushfires. BarrierLine™ safety grilles offer cost effective solutions to help increase the security of your home by offering a visual barrier from would-be intruders. A selection of mesh types are available such as fibreglass, aluminium and stainless steel.

SafeLine™ fall prevention screens

In 2013 it became mandatory in NSW to fit fall prevention devices to bedroom windows more than two metres above the outside ground level.

There is no compromise when it comes to your child's safety. Wideline understands this and has developed SafeLine™ fall prevention screens specifically with your family's safety in mind. No longer do you need to restrict your window opening for peace of mind. SafeLine™ allows openable windows to operate as they were intended, allowing airflow when you want it without risking the safety of your family. Made from a robust aluminium frame and resilient Dacron mesh for maximum strength and durability. SafeLine™ has been independently verified by NATA accredited laboratories to exceed Australian Standards and readily complies with the Building Code of Australia.

Bushfire protection

Wideline have solutions for all bushfire attack levels up to and including BAL-40.

Our products are tested and certified to protect against bushfire attack levels from BAL-low to BAL-40 in accordance with AS 3959 and AS 1530.8.1. Using the most innovative technologies, they offer the very best protection in the most extreme conditions.

Acoustics

The advancements in glazing have dramatically improved home acoustics. Wideline have a range of solutions to help bring the peace and quiet back into your home.

See glass options on page 8 for more information.

STATE OF THE ART POWDERCOAT FINISHES

WIDELINE OFFER AN EXTENSIVE RANGE OF ALUMINIUM ANODISED OR POWDERCOATED FINISHES.

Choose from our extensive palette of standard tones in gloss, satin or low-sheen. Or if you have to match a specific colour – no problem, we can provide a powdercoat colour that will match any colour sample you can provide.

Our vertical powdercoat facility is one of the first facilities in Australia to introduce chrome-free technology. Eliminating chrome requires improved operational control and greater precision in other parts of the production process, but the extra effort is well worth it. We've been able to eliminate a potentially hazardous material, reduce effluent and produce a cleaner and more environmentally sensitive product.

Products produced without using chrome have a lighter coating, so there is less chance of unsightly 'build up' on the metal surface. Surface imperfections and inclusions are virtually eliminated, creating a product with near perfect visual appearance.

Our powdercoat facility is certified as meeting Australian Standard AS3715 'Metal Finishing – Thermoset powder coating for architectural applications of aluminium and aluminium alloys'. We are an approved applicator for both the Interpon® and Dulux® range of products.

Wideline guarantees all in-house powdercoating with a minimum 7 year warranty.

Talk to your local Wideline sales representative or visit one of our showrooms to view our extensive colour ranges.



Guaranteed Colorbond® compatible. Colour swatch are a guide only. Due to reproduction constraints colours may vary.





COMFORT & ENERGY EFFICIENCY

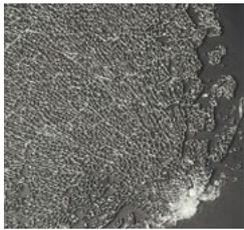
THE CORRECT GLAZING PROVIDES A HOST OF OPPORTUNITIES TO IMPROVE THE COMFORT AND ENERGY EFFICIENCY OF THE HOME ENVIRONMENT.

Your Wideline representatives are experts, providing you with the best advice on the many options available. We can help you tailor the most appropriate window solution for your individual needs. When choosing glass, consider the following basics:

Glass safety

Glazing in some locations, such as in or near doors is more vulnerable to human impact, which if broken could result in serious injury. For this reason, we use only Grade-A safety glass in these areas.

There are two types of Grade-A safety glass:



1) Toughened glass

Toughened Glass is processed in a heat furnace and is 4-5 times stronger than ordinary float glass. If it does happen to break, it will shatter into a relatively harmless crumble.



2) Laminated glass

Created by bonding two pieces of normal glass together with an interlayer made from polyvinyl butyryl. If the glass should happen to break the polyvinyl holds the glass together helping to minimise injury.

Energy efficient glass

As insulation in your walls helps reduce energy loss, so too does energy efficient glass in your windows and doors.

The correct glass in your windows will make your home more comfortable year round, dramatically reduce your energy costs and help to create a brighter, cleaner, healthier home environment.

SmartGlass™ affordable energy efficient glass

SmartGlass™ is a range of single glazed toughenable Low-E products offering insulation and a choice of solar protection with low reflectivity.

SmartGlass™ is ideally suited to the demands of Australian residential houses providing excellent performance and versatility for single glazed windows improving glass insulation by up to 39%.

- Low-E stands for low emissivity. A low emissivity coating reduces the amount of infrared energy (heat) that passes through the window. There are two main kinds of Low-E coatings – hard coat and soft coat Low-E. The Low-E coating on SmartGlass™ is a hard coat.
- SmartGlass™ is a revolution in window technology. It looks like ordinary glass but has a high tech (Low-E) coating fused to the glass which actively insulates a home.
- SmartGlass™ suits almost any style of window frame – timber or aluminium. It can even be cut to fit existing windows making it the smartest choice for renovations to give you year round comfort.
- SmartGlass™ comes with Viridian's 10 year warranty which includes an extra processing warranty, exclusive to all Viridian SmartGlass™.

Insulated glazing units (IGUs)

IGUs, or more commonly referred to as double glazing, offer superior energy performance. IGUs significantly reduce heat transfer between the outside and inside of your home. In winter IGUs keep the warm air in and in summer keep the heat out. The insulation properties of IGUs can actively save a significant amount on your heating or cooling bills.

IGUs have two glass panels separated by a thin layer of air or a nontoxic gas such as argon.

Energy performance ratings

The Horizon range is BASIX and NatHERS compliant and have been thoroughly tested by AFRC accredited simulators.

For more information and a complete listing of all of our performance data, please refer to our energy performance ratings our website.

Acoustics

Unwanted noise from traffic, aircraft, trains, factories or even boisterous neighbours can be reduced with the right selection of glass.

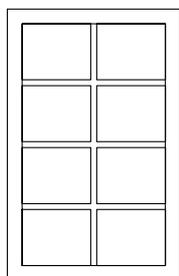
Viridian VLam Hush™ is a laminate that uses a specially developed interlayer to dampen noise, providing enhanced sound insulation performance.



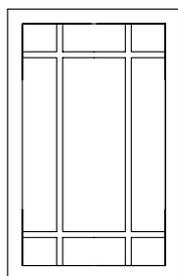
WINDOW AESTHETICS

STANDARD BAR LAYOUTS

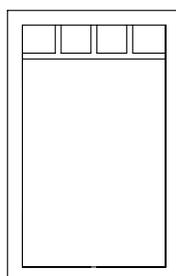
Custom layouts available on request.



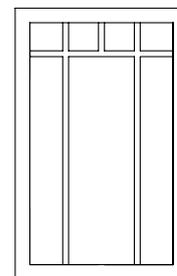
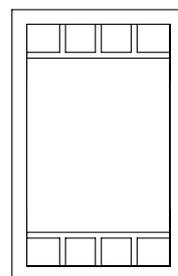
Colonial Layout



Federation Layout



Heritage Layout



Variations in Heritage/Federation Layouts

BAR OPTIONS



Standard Colonial Bar



Montgomery Bar



Endeavour Bar



Individually Glazed Colonial Bar
(Hinged doors only)

REVEAL SIZE CHART

Reveals are available in meranti and finger jointed primed pine according to the following table.

Reveal	Application	Breakdown
80mm	70mm steel or timber frame	70mm stud-gyprock interior weatherboard exterior
100mm	90mm steel or timber frame	90mm stud-gyprock interior weatherboard exterior
117mm	230mm brick veneer	70mm stud/40mm cavity brick veneer
138mm	250mm brick veneer	90mm stud/40mm cavity brick veneer
165mm	270mm double brick	50mm cavity brickwork
Storm moulds Double brick lugs	270mm double brick	50mm cavity brickwork
Single brick lugs	110-220mm brickwork	110 – single brickwork 220 – pier brickwork – blockwork



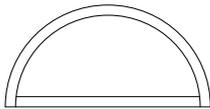
Note:

- The dimensions which appear on your quotation are for the actual aluminium frame size. Reveals are additional to the window frame size (19mm thick each side).

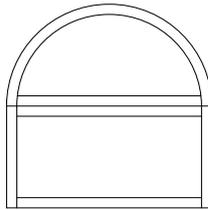


CUSTOM DESIGN

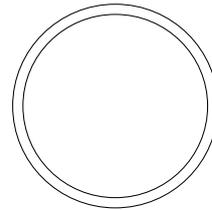
We have a large array of special shapes available, some of which can be seen below. Ask one of our friendly sales team for more information.



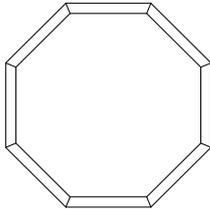
Arch



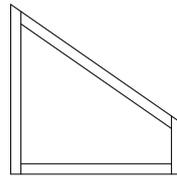
Arched Head



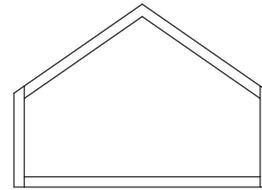
Porthole



Octagon

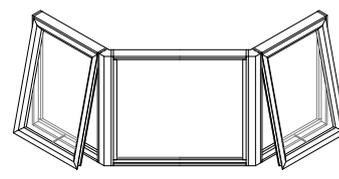
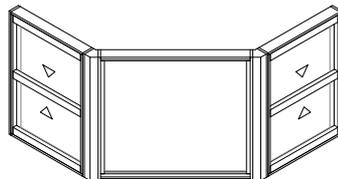
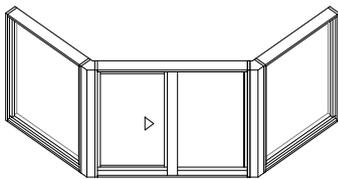


Rake

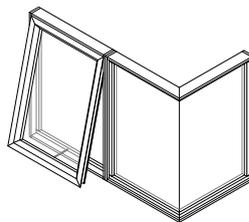
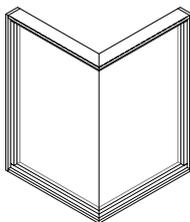


Gable Rake

BAY WINDOWS



90 DEGREE SILICONE JOINT WINDOWS



HORIZON STANDARD WINDOW SIZES

ALUMINIUM SLIDING WINDOWS

STUD OPENING	FRAME SIZE							
	670	910	1270	1630	1870	2230	2470	2710
660	AS0606	AS0609	AS0612	AS0616	AS0618	AS0622	AS0624	AS0627
920	AS0906	AS0909	AS0912	AS0916	AS0918	AS0922	AS0924	AS0927
1090	AS1006	AS1009	AS1012	AS1016	AS1018	AS1022	AS1024	AS1027
1260	AS1209	AS1212	AS1216	AS1218	AS1222	AS1224	AS1227	
1430	AS1409	AS1412	AS1416	AS1418	AS1422	AS1424	AS1427	
1520	AS1509	AS1512	AS1516	AS1518	AS1522	AS1524	AS1527	
1860	AST1809	AST1812	AST1816	AST1818	AST1822	AST1824	AST1827	1200
2110	AST2009	AST2012	AST2016	AST2018	AST2022	AST2024	AST2027	680

STUD OPENING	FRAME SIZE		
	2230	2470	2710
1090	AS1022	AS1024	AS1027
1260	AS1222	AS1224	AS1227
1430	AS1422	AS1424	AS1427
1520	AS1522	AS1524	AS1527

- Configurations shown are reversible (ie. slide/fix can be reversed to be fixed/slide).
- Single glazing available up to 6.5mm total thickness.
- Various colonial bar layouts available.
- Sliding windows rate to a maximum BAL-40 rating.
- Sash restrictors available to limit sash opening to 100mm.
- Stud opening size shown applies to frames fitted with reveals for brick veneer applications.
- Please refer to www.wideline.com.au for more information on window installation.



ALUMINIUM AWNING WINDOWS

STUD OPENING	670	910	1270	1630	1870	2230	2470	2710
	610	850	1210	1570	1810	2170	2410	2650
660	 AA0606	 AA0609	 AA0612	 AA0616	 AA0618	 AA0622	 AA0624	 AA0627
920	 AA0906	 AA0909	 AA0912	 AA0916	 AA0918	 AA0922	 AA0924	 AA0927
1090	 AA1006	 AA1009	 AA1012	 AA1016	 AA1018	 AA1022	 AA1024	 AA1027
1260	 AA1206	 AA1209	 AA1212	 AA1216	 AA1218	 AA1222	 AA1224	 AA1227
1430	 AA1406	 AA1409	 AA1412	 AA1416	 AA1418	 AA1422	 AA1424	 AA1427
1520	 AA1506	 AA1509	 AA1512	 AA1516	 AA1518	 AA1522	 AA1524	 AA1527
1860	 AAT1806	 AAT1809	 AAT1812	 AAT1816	 AAT1818	 AAT1822	 AAT1824	 AAT1827
1860	 AA1806	 AA1809	 AATT1812	 AATT1816	 AATT1818	 AATT1822	 AATT1824	 AATT1827
2110	 AAT2006	 AAT2009	 AAT2012	 AAT2016	 AAT2018	 AAT2022	 AAT2024	 AAT2027
2110	 AA2006	 AA2009	 AATT2012	 AATT2016	 AATT2018	 AATT2022	 AATT2024	 AATT2027

- Configurations shown are reversible (ie. awning/ fixed can be reversed to be fixed/awning).
- Single and double glazing available up to 20mm total thickness.
- Colonial, Montgomery and Endeavour bars are available for awning windows. Please refer to page 10 for available bar layouts.
- Awning windows rate to a maximum BAL-40.
- Sash restrictors available to limit sash opening to 100mm.
- Stud opening size shown applies to frames fitted with reveals for brick veneer applications.
- Please refer to www.wideline.com.au for more information on window installation.

HORIZON STANDARD WINDOW SIZES

ALUMINIUM DOUBLE HUNG WINDOWS

STUD OPENING SIZE	670	910	1270	1630	1870	2230	2470	2710	
	FRAME SIZE	610	850	1210	1570	1810	2170	2410	2650
920	860								
		AD0906	AD0909	AD0912	AD0916	AD0918	AD0922	AD0924	AD0927
1090	1030								
		AD1006	AD1009	AD1012	AD1016	AD1018	AD1022	AD1024	AD1027
1260	1200								
		AD1206	AD1209	AD1212	AD1216	AD1218	AD1222	AD1224	AD1227
1430	1370								
		AD1406	AD1409	AD1412	AD1416	AD1418	AD1422	AD1424	AD1427
1520	1460								
		AD1506	AD1509	AD1512	AD1516	AD1518	AD1522	AD1524	AD1527
1860	1800								
		AD1806	AD1809	AD1812	AD1816	AD1818	AD1822	AD1824	AD1827
2110	2050								
		AD2006	AD2009	AD2012	AD2016	AD2018	AD2022	AD2024	AD2027

- Configurations shown are reversible (ie. double/ fixed can be reversed to be fixed/double).
- Single glazing only available up to 6mm total thickness.
- Colonial and Montgomery bars are available for double hung windows. Please refer to page 10 for available bar layouts.
- Double hung windows rate to a maximum BAL-40.
- Sash restrictors available to limit sash opening to 100mm.





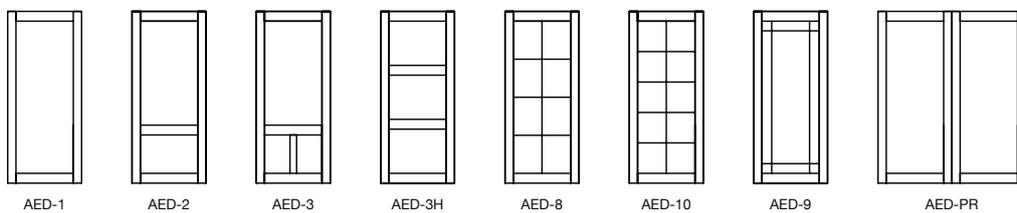


HORIZON STANDARD DOOR SIZES

ALUMINIUM ENTRY FRAMES

STUD OPENING	1270	1270	1750	2570
	1210	1210	1690	2510
2115	2085			
	AEF12RS	AEF12LS	AEF16S	AEF25S
STUD OPENING	1396	1396	1836	2654
	1336	1336	1776	2594
2115	2085			
	AUE13RS	AUE13LS	AUE17S	AUE25S
STUD OPENING	960	1780	1566	1566
	900	1720	1506	1506
2115	2085			
	ADF8S	ADF17S	ALF15RS	ALF15LS

ALUMINIUM ENTRY DOORS



- Door panels available in 620, 720 and 820mm standard widths.
 - Entry frames rate to a maximum BAL-40 rating.
 - Entry frames can be ordered as frame only or with pre-hinged aluminium door.
 - Entry frames are available in open-in or open-out configurations.
 - Entry frames are available with or without sill.
 - Open-in doors are not recommended for exposed locations or where verandahs, porticos, etc. do not provide protection to the door opening as open-in doors do not have a sill.
- Please note;
- Entry frames sold with no sill do not carry a water rating.
 - All frames are designed to accommodate a standard 2040 x 820mm door.



TIMBER ENTRY FRAMES

STUD OPENING	900	1710	1230	1230	1710	
	880	1690	1210	1210	1690	
2110	2080					
		MDF8	MDF16	MEF12R	MEF12L	MEF16
STUD OPENING	1470	1470	1710	1710		
	1450	1450	1690	1690		
2110	2080					
		MLF14R	MLF14L	MLF16L	MLF16L	
STUD OPENING	1320	1330	1760	2560		
	1300	1310	1740	2540		
2110	2080					
		MUE13R	MUE13L	MUE17	MUE25	

- Meranti entry frames rate to a maximum BAL-19 rating.
- When supplied with sill, frame height increases to 2100mm.
- All frames are designed to accommodate a standard 2040 x 820mm door.
- MUE sidelites are designed to accommodate standard 400mm wide panels.
- Outer frames (jamb, head, etc) are 38mm thick.

HORIZON STANDARD DOOR SIZES

ALUMINIUM SLIDING DOORS

STUD OPENING SIZE	FRAME SIZE			
	1630	1870	2230	2470
2140	1570	1810	2170	2410
2440				
2140	ASDI2116	ASDI2118	ASDI2122	ASDI2124
2440	ASDI2416	ASDI2418	ASDI2422	ASDI2424

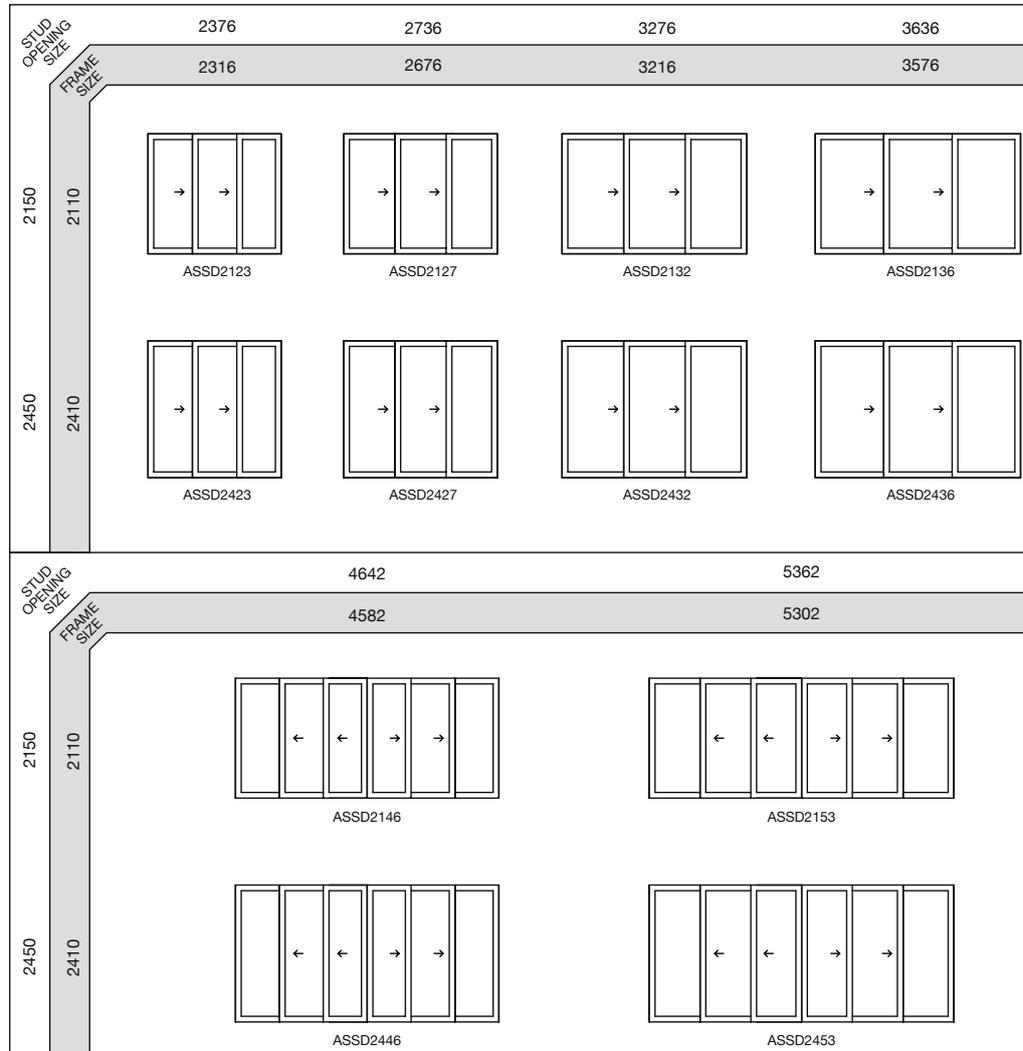
STUD OPENING SIZE	FRAME SIZE			
	2410	2770	3310	3670
2140	2350	2710	3250	3610
2440				
2140	ASDI2123	ASDI2127	ASDI2132	ASDI2136
2440	ASDI2423	ASDI2427	ASDI2432	ASDI2436

STUD OPENING SIZE	FRAME SIZE			
	3160	3640	4360	4840
2140	3100	3580	4300	4780
2440				
2140	ASDI2131	ASDI2135	ASDI2143	ASDI2148
2440	ASDI2431	ASDI2435	ASDI2443	ASDI2448

- Configurations shown are reversible (ie. slide/fixed can be reversed to be fixed/slide).
- Single and double glazing available up to 20mm total thickness.
- Colonial, Montgomery and Endeavour bars are available for sliding doors. Please refer to page 10 for available bar layouts.
- Sliding doors rate to a maximum BAL-40.
- Sliding doors are available with hardwood sill, note that stud opening height increases by 30mm.
- Sliding fly doors, safety doors and security doors are available to suit.
- Stud opening size shown applies to frames fitted with reveals for brick veneer applications.
- Please refer to our website for more information on window installation.



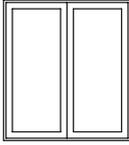
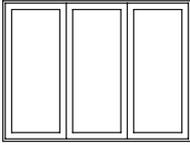
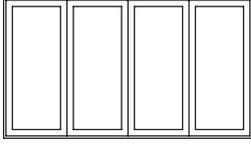
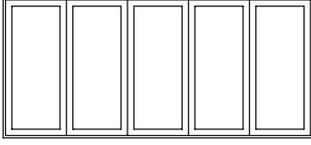
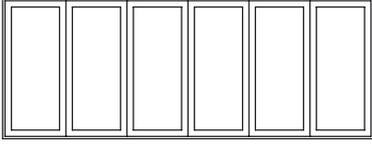
ALUMINIUM SLIDING STACKING DOORS



- Configurations shown are reversible (ie. slide/slide/fixed can be reversed to be fixed/slide/slide).
- Single and double glazing available up to 20mm total thickness.
- Colonial, Montgomery and Endeavour bars are available for stacking doors. Please refer to page 10 for available bar layouts.
- Stacking doors rate to a maximum BAL-40.
- Stacking doors frames include a fly door frame and measure 162mm in total width (front to back).
- Stacking doors are available with hardwood sill, note that stud opening height increases by 30mm.
- Stacking fly doors, safety doors and security doors are available to suit.
- Stud opening size shown applies to frames fitted with reveals for brick veneer applications.
- Please refer to our website for more information on window installation.

HORIZON STANDARD DOOR SIZES

ALUMINIUM BI-FOLD DOORS

STUD OPENING SIZE		FRAME SIZE		FRAME WIDTH + 60mm		
		FRAME WIDTH	CODE	CONFIGURATIONS		
FRAME HEIGHT + 40	FRAME HEIGHT 2100mm	 ABBF-2 ATBF-2	1570	ABBF2116 ATBF2116	*2L	
			1810	ABBF2118 ATBF2118	*2R	
	FRAME HEIGHT 2350mm	 ABBF-3 ATBF-3	2350	ABBF2123 ATBF2123	3L	
			2650	ABBF2126 ATBF2126	2L1R 1L2R 3R	  
	FRAME HEIGHT 2550mm	 ABBF-4 ATBF-4	3010	ABBF2130 ATBF2130	*4L 3L1R *2L2R	  
			3370	ABBF2134 ATBF2134	1L3R *4R	 
	FRAME HEIGHT 2750mm	 ABBF-5 ATBF-5	3730	ABBF2137 ATBF2137	5L 4L1R 3L2R	  
			4210	ABBF2142 ATBF2142	2L3R 1L4R 5R	  
	FRAME HEIGHT 2950mm	 ABBF-6 ATBF-6	4450	ABBF2144 ATBF2144	*6L 5L1R *4L2R	  
			5050	ABBF2150 ATBF2150	3L3R *2L4R 1L5R *6R	   

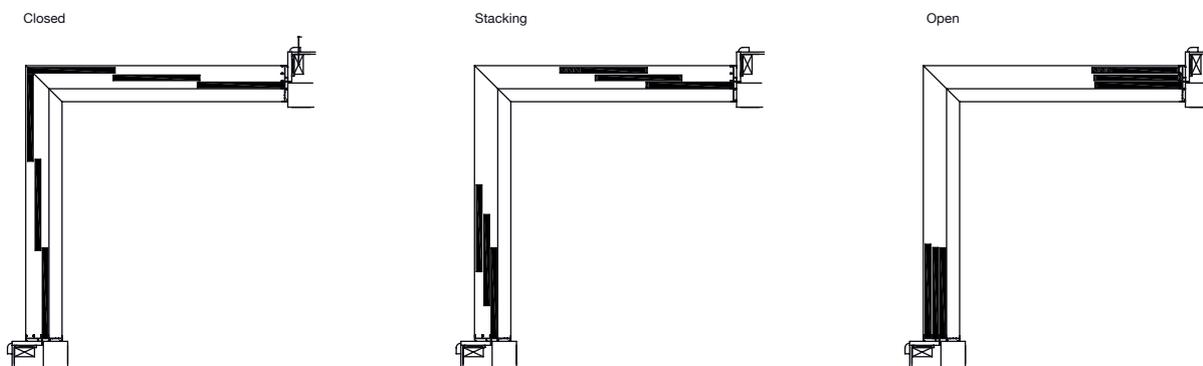


STUD OPENING SIZE		FRAME WIDTH + 60mm		
FRAME HEIGHT + 40	FRAME SIZE	FRAME WIDTH	CODE	CONFIGURATIONS
FRAME HEIGHT 2100mm	<p>ABBF-7 ATBF-7</p>	5170	ABBF2152 ATBF2152	7L 6L1R 5L2R 4L3R 3L4R 2L5R 1L6R 7R
		5770	ABBF2158 ATBF2158	8L 7L1R 6L2R 5L3R 4L4R 3L5R 2L6R 1L7R 8R
	<p>ABBF-8 ATBF-8</p>	5890	ABBF2159 ATBF2159	

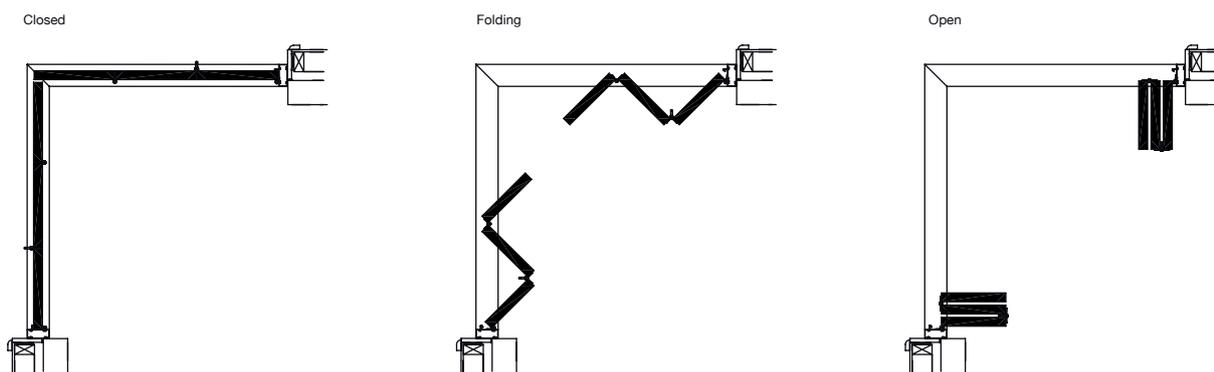
- Door configurations with even numbers of panels on each side (examples shown above with *) do not have an access door, hence have internal access only.
- Stud opening size shown applies to frames fitted with reveals for brick veneer applications.
- Please refer to our website for more information on window installation.
- Bi-fold doors rate to a maximum BAL-40.
- Maximum frame width: 6000mm
- Standard frame height: 2095mm
- Maximum frame height: 2400mm
- Maximum leaf width: 900mm
- Maximum leaf weight: 80kg
- Outer frame section size: 100mm

HORIZON STANDARD DOOR SIZES

ALUMINIUM 90 DEGREE SLIDING STACKING DOORS



ALUMINIUM 90 DEGREE BI-FOLD DOORS



- 90 degree doors are available in bi-fold and stacking configurations.
- Colonial, Montgomery and Endeavour bars are available for 90 degree doors.
- 90 degree doors rate to a maximum BAL-40.
- Stacking doors frames include a fly door frame and measure 162mm in total width (front to back).
- Stacking doors are available with hardwood sill, note that stud opening height increases by 30mm.
- Stacking fly doors, are available to suit 90 degree stacking doors.
- Frames are supplied in flat-pack for for on-site assembly. Panels are supplied loose.
- Installation by qualified Wideline installers available at additional charge.
- Please consult with your Wideline sales representative for more information.
- Both internal and external corners available (internal pictured).



Wideline's policy of continued improvement may result in changes or specification without notice.
Windows and doors illustrated as viewed from outside.

Image supplied by Millbrook Homes

INSTALLATION INSTRUCTIONS

ON-SITE HANDLING AND STORAGE

Window and door frames are usually delivered to site in a fully finished condition. Improper handling and storage could result in permanent damage which will not be covered under warranty.

The following precautions should be taken to prevent damage:

- Store windows and doors in a clean, dry location free from contamination such as cement, lime, acid etc.
- Windows should be stacked in a vertical position and leant against a wall or other structure if possible.
- Care should be taken to ensure powdercoated aluminium is protected from abrasion and is not in direct contact with other surfaces which may cause damage. Do not place windows directly onto green concrete slabs.
- Windows should be lifted by two people at all times, one at either end. Do not lift windows by the head or top reveal.

NOTES FOR INSTALLATION

1. Flashing of the outer frame is recommended and should be carried out by a qualified builder. The flashing should comply with the relevant building codes and standards.
2. To prevent unsatisfactory operation care should be taken to ensure all frames are installed square, plumb and level, without bows or twists in the head, sill or jambs. Allow sufficient clearance so that pressure will not bear on the head or sill and cause bowing in the frame.
3. Check that stud opening has at least 5mm clearance at each side and 10mm at top and that all floor members are solid and level, insert frame into opening. Check that all frame members are plumb and level with a final check of diagonals to ensure squareness.
4. Ensure the sill is fully supported. This is important to ensure the sill does not roll inward or outward which could result in improper operation or performance.
5. Secure frame in position by nailing through reveals where appropriate. For single and double brick use galvanised brick lugs. All fixings should be at no more than 450mm centres.
6. It is recommended that sash is kept closed during installation and once installation is complete, it should be opened and closed several times to ensure satisfactory operation. If sash clearances are uneven or sash does not operate correctly, check frame for squareness and ensure frame is plumb and level in all planes.

BUILDERS/HOME OWNERS, PLEASE NOTE

Windows and doors can be damaged by careless handling, and care should be taken to protect them from damage that could occur during the construction process.

During construction there are some precautions you should take to ensure that the windows and doors will retain their ex-factory condition until building work is complete and the job handed over.

REMEMBER

- Keep wet cement, mortar and brick-cleaning acid from contact with timber or aluminium (particularly if the finish is anodised), before, during and after installation.
- If accidentally splashed, wash off immediately with clean water otherwise permanent staining or damage may occur.
- Do not use acid to remove mortar stains on window frames.
- Hose down brickwork to remove residual cleaning acid that may leach out and cause damage to the finish later.
- Keep the tracks of sliding windows and doors clear of sand and cement droppings.
- Do not use window or door frames to support planks or temporary scaffolding.
- Clean up when the job is complete with mild detergent and rinse with clean water.
- Door sill and frames are particularly vulnerable and must be protected from wheel barrows and muddy/dirty boots. Mud, cement, render, etc are very abrasive and can cause scratching and wear of the powdercoat surface.
- Acid used in cleaning brickwork can cause permanent damage to window and door surfaces. Particular care should be taken to protect windows and doors during cleaning operations and if exposure does occur, acid should be washed off immediately with ample fresh water.



CONDITIONS

Your Wideline products are guaranteed against defects arising from faulty workmanship or materials for a period of seven (7) years from the date of delivery by Wideline, subject to the following conditions:

- | | | |
|---|--|--|
| <p>a. The product has been installed in accordance with the relevant Australian Standards and recognised building practice.</p> <p>b. The product has been maintained in accordance with industry recommendations.</p> <p>c. The product has not been subject to misuse, physical abuse or neglect.</p> <p>d. Manufacturing standards and tolerances are not deemed defects, nor are industry variations in the colour of aluminium and timber componentry.</p> <p>e. Wideline accepts no responsibility for glass breakage (except for faulty workmanship or materials). Wire reinforced glass, toughened glass, float glass, laminated glass and mirror glass is guaranteed against defects and degradation for a period of three (3) years.</p> | <p>f. Moving parts which wear out as a part of normal use are guaranteed for two (2) years.</p> <p>g. This guarantee is limited to the repair or replacement of the faulty product at the company's discretion but does not extend to the installation or refinishing of a replacement product.</p> <p>h. Finish failures or corrosion of aluminium or other components due to environmental conditions such as air pollutants, acid rain or other corrosive substances are defects which have arose due to the conditions and are therefore not the responsibility of Wideline.</p> <p>i. Corrosion, wear, or failure of standard components in seacoast applications (within 5 kilometres of coastal waters) is not covered under this warranty as deterioration is possible under climate conditions.</p> | <p>j. Normal wear or discolouration of finishes including the tarnishing of brass is a result of conditions or applications and are therefore not the responsibility of Wideline.</p> <p>k. Only repairs carried out by Wideline personnel or authorised Wideline agents are covered by this guarantee.</p> <p>l. Claims under this guarantee should be made within one month of the defect arising in the product. Copies of documentation showing the purchase date of the product should be included with your written claim and forwarded to the Wideline office.</p> |
|---|--|--|

This guarantee is in addition to all other rights and remedies in respect of this product to which you are entitled under the Trade Practices Act and similar State and Territory laws. For the benefit of the consumer. Effective 1 August 2013.

CARE AND MAINTENANCE

Wideline products are manufactured from the most suitable materials and finishes available and when properly maintained, will give many years of quality service.

Aluminium products

A good general rule is that aluminium window or door frame should be washed to remove dirt deposits as often as it is necessary to wash the glass.

Aluminium requires only minimal maintenance but, like your motor car, the finish may deteriorate if dirt, which collects on the surface, is allowed to remain unwashed over a period of time. This is because dirt absorbs moisture present in the atmosphere. Moisture can contain salt near the ocean or other impurities in industrial areas, and it is the combination of dirt and contaminated moisture that can cause deterioration of almost any surface finish.

In rural areas where normally there is very little contaminated moisture, you may not need to clean your aluminium fittings more than every six months. In industrial and coastal areas, washing at intervals of one to three months may be required – or even more frequently in locations close to the ocean or in heavily polluted industrial areas, especially where the windows or other product is sheltered from the washing effects of the rain.

In severe coastal areas, washing at intervals of one to two weeks may be required.

To clean aluminium, use the mildest treatment you can which produces satisfactory results. Start with warm water, with soap or detergent. On anodised material try solvent cleaners (eg. kerosene, turpentine, white spirit), or non-etching chemical cleaners, or a wax-based polish cleaner. Never use harsh liquid chemicals, abrasive cleaners or steel wool.

Glass

To clean clear float glass, wipe over the surface with a few drops of methylated spirits on a damp cloth, and then polish the surface dry with a lint free cloth. Proprietary glass cleaners are not recommended as some of them can cause damage to the silver backing on mirrors and the interlay of laminated glass. Ensure that all cleaning cloths are free of any abrasive substances.

Avoid causing extreme temperature changes as this may lead to thermal fracture of the glass (ie. do not direct hot or cold water onto glass).



Wideline is proud to announce that it is a founding member of the Australian Window Association (AWA).

This association has been established to ensure that manufacturers produce windows and doors that meet – if not exceed – stringent safety and structural standards. From material selection and workmanship quality to weather sealing and applied finishes, all aspects of production are scrutinised to ensure that they meet the relevant Australian standards.

Every Wideline product has been thoroughly tested, certified and guaranteed by independent inspectors accredited by the National Association of Testing Authorities.

All products shown in this catalogue are representative of what can be achieved and are subject to individual finishes and installation techniques. Wideline Pty Ltd reserves the right to modify sizes and details without notice. Wideline Pty Ltd does not accept liability for the appearance of your finished product.



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