



**G. JAMES**  
Windows & Doors

**Residential**  
Product Selector

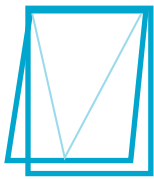


Front photo courtesy of R&L Badcock Builders Pty Ltd



# Your Options

## Windows



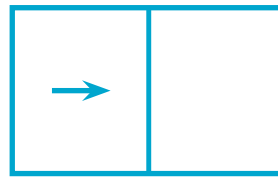
**Awning**  
Page 6



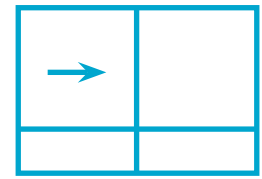
**Casement**  
Page 7



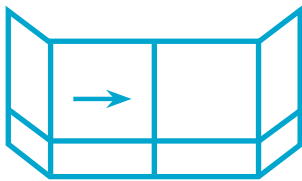
**Louvre**  
Page 8



**Sliding**  
Page 9



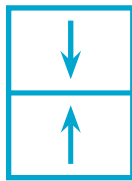
**Window Wall**  
Page 10



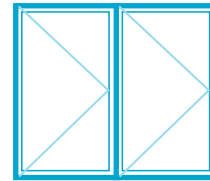
**Bay**  
Page 11



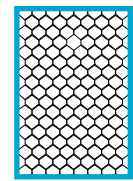
**Fixed**  
Page 11



**Double Hung**  
Pages 12 & 13

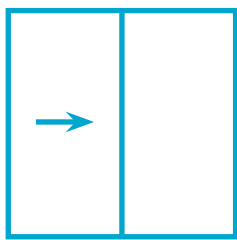


**Bi-fold**  
Page 19

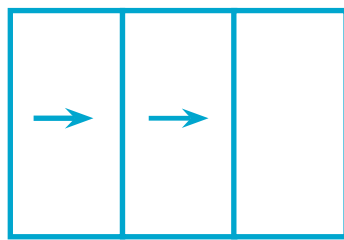


**Screens**  
Page 14

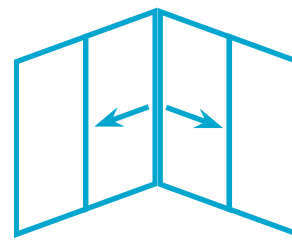
## Doors



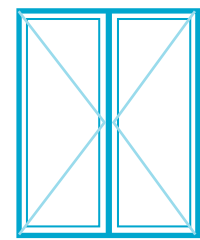
**Sliding**  
Page 15



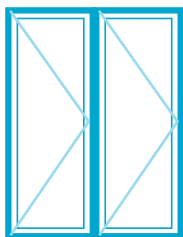
**Sliding Stacker**  
Pages 16 & 17



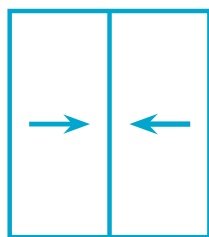
**Corner Sliding**  
Page 15 & 17



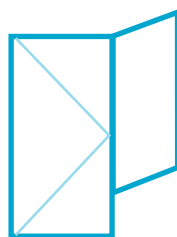
**Hinged**  
Page 18



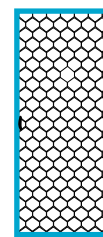
**Bi-fold**  
Page 19



**Sliding Wardrobe**  
Page 20



**Showerscreens**  
Page 21



**Screens**  
Page 14



**Pivot Door Entry Units**  
Page 18

## General Notes applicable to all Pages:

- Contact your G.James representative or nearest branch if you have any questions or require further information (see back page for branch details).
- All configurations are viewed from the **outside** looking inside.
- When detailing sizes for quoting and ordering purposes, provide the outer frame dimensions excluding fixing fin by stating the **height** dimension first and width second.
- All dimensions are stated in millimetres.
- Other configurations and sizes than those detailed in this booklet may be available.
- All Size Ranges are based on an 'N3 Housing – General' wind rating. The availability of certain sizes and configurations will vary depending on the wind rating requirement for the site.
- Black hardware is supplied as standard.
- Drawings may not be to scale.
- Available on request (additional charges apply):
  - > Timber Reveals
  - > Security, noise reducing and energy efficient upgrades.
  - > Colonial, Federation and French glazing bars (not applicable to all products).

# Welcome

## Introduction

Established in 1917, G. James is today one of Australia's leading manufacturers of aluminium windows and doors, supplying to all sectors within the building and construction industry. Our 100 years of experience has been channeled into every aspect of our product range, customer service and industry knowledge as we strive to offer you the best value-for-money window and door products on the market.

## Product Selection

During the building process a considerable amount of thought is given to selecting the type of brick, style of kitchen and colour of the bathrooms, however in many instances little consideration is given to the windows and doors. These elements are responsible for allowing natural light and ventilation into the home, maximising views and providing a level of security and privacy. It should also be remembered that windows and doors comprise around 25% of the average homes external appearance. With all this in mind you can appreciate why the selection of **your** windows and doors deserves more attention.

G. James is pleased to offer this booklet to assist you in the process of product selection, finalising your plans and nominating your window & door supplier. With our comprehensive range of products, 7 year guarantee and renowned after-sales service, we're confident that choosing G. James Windows & Doors will be one of the easiest decisions.

G. James is passionate about educating the home owner in what we believe to be important criteria to consider when selecting windows and doors. These criteria include Features and Benefits, Certification and Compliance, Colour Selection and Glass Selection.

## Features and Benefits

Consumer research has consistently revealed that between 70 – 80% of people buy on 'quality/perceived value' of a product or service rather than 'price'. In the case of windows and doors, quality/value can be assessed in terms of the **extra** features and **long term** benefits offered by the product. So before deciding on which company will supply your windows or offered a particular window supplier as part of your 'Standards Inclusions', consider the following questions:

- Do the sliding windows have a sill inlay (for easier cleaning and improved water penetration)?
- Do the sliding doors have a sill threshold (for aesthetic and maintenance purposes)?
- Are the flyscreens easily removed both internally and externally (an important feature particularly for two storey homes)?
- Do the window rollers have stainless steel bearings (important for long term performance)?

- Do the window rollers have a 16mm dia. tyre (smaller tyres can develop flat spots causing the roller to skid along the track rather than roll)?
- What is the window supplier's after-sales service track record?
- Are the window handles located/engaged at the mullion (and not at the jamb end where the access to, and operation of the handle is hindered by curtains)?

## Certification and Compliance

Are the windows you're purchasing tested, certified, inspected and guaranteed? The Australian Window Association (AWA) Product Accreditation Program ensures that accredited members manufacture their windows and doors to exacting performance criteria. As an accredited member, every aspect of G. James' method of window construction is subject to 3rd party annual audits to ensure continuing compliance. In addition, AWA members are required to produce windows and doors which meet the requirements of all relevant Australian Standards. G. James is a strong advocate of marketing products that provide genuine performance and guaranteed reliability.

## Colour Selection

Choosing the right colour for your window and door framing is crucial for enhancing your internal and external colour schemes, and ultimately for re-sale purposes. G. James is well aware of this aspect and annually reviews its standard powder coat colour range to keep up with the latest trends. In addition, we offer a range of clear and bronze anodised finishes. Refer to the G. James *Residential Colour Selector* for further details.

## Glass Selection

Reducing external noise, saving on heating and/or cooling costs, extending the life of soft furnishings, reduced glare and extra security are some of the benefits achievable through correct glass selection. G. James has an extensive range of tinted, laminated and high performance glass products on offer to satisfy your glazing requirements.

## Environmental

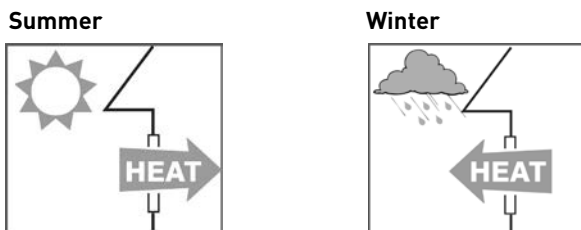
G. James is committed to energy conservation and preservation of the environment throughout its production processes. Further, our residential extrusions are manufactured in Australia from billet produced using recycled aluminium. This billet requires approx. 90% less power than original billet.

## Your Next Step

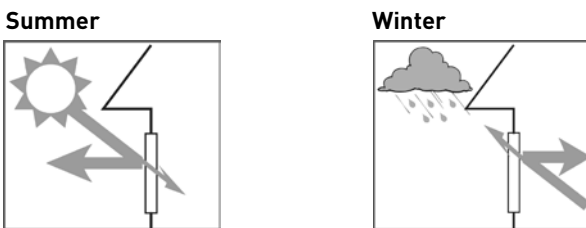
Once you've considered all your options, we encourage you to contact your G. James representative so we can take the next step in the process of selecting your window and door supplier. If required, the details of your nearest branch can be found on the back page of this booklet.

# Window Energy Rating Scheme (WERS)

Surprisingly windows are one of the most complex and important (comfort) elements in today's home. Whilst providing light, fresh air and views, windows represent a major source of unwanted heat loss in winter & heat gain in summer.



Recent advances in glazing materials have improved the performance of windows to the extent where energy efficient windows and doors can make your home more comfortable and significantly reduces your energy costs.



Window Energy Rating Scheme (WERS) rates the energy impact of residential windows in Australia. With up to 40% of a home's energy for cooling and heating being lost or gained through the windows, improving their thermal performance reduces energy costs and greenhouse gas emissions.

The aim of WERS is to help home builders and home owners evaluate the relative energy (heating and cooling) performance of different types of windows by rating that performance in terms of stars. 'No star' indicates a very poor performing window whilst '10 stars' signifies superior performance.

## G.James Whole of Window (WOW) Performance

WOW performance figures are provided by WERS and have been determined using NFRC / AFRC<sup>1</sup> protocols & procedures. They are appropriate for use in the Building Code of Australia (BCA) Glazing Calculator which assesses glazing compliance to the Energy Efficiency section of the BCA. The results contained within the WERS Certified Product Directory can also be used for matching NFRC performance figures from BASIX<sup>2</sup> and for second generation 'whole of house' software tools such as AccuRate, BERSPro and FirstRate5.

<sup>1</sup> NFRC is the National Fenestration Rating Council. AFRC is the Australian Fenestration Rating Council.

<sup>2</sup> BASIX is the Building Sustainability Index.

## Different Windows for Different Climates

Not all windows perform the same in different climates. Orientation and shading can also influence the performance of a window within a home.

### Hot Climate Zones

This is where cooling your home and preventing heat gain is the priority. Select window types with a lower Solar Heat Gain Coefficient (SHGC<sub>w</sub>) and those that provide good ventilation such as G.James 050 Series Louvres. A lower U-value (U<sub>w</sub>) also improves the overall thermal performance. Choose products glazed with a tinted glass or a high performance glass from the G.James Solect® range.

### Mixed Climate Zones

This is where both heating and cooling your home is required. In a mixed climate zone, consider whether heating or cooling is the primary motivation. Whichever is the case, refer to the relevant 'Cooling' or 'Heating' recommendations above. If neither heating nor cooling prevails, a lower U-value product provides better thermal performance. Whilst a lower SHGC product can reduce the solar heat gain from the window.

### Cold Climate Zones

This is where heating your home and preventing heat loss is the priority. This can be achieved by installing window types with a lower U-value as they reduce heat loss to the outside during the winter months. Choose products that are double glazed (IGU) or glazed with a high performance glass from the G.James Solect® range.

For further information visit [www.wers.net](http://www.wers.net)

## Definition & Terms – refer Table Page 5

### Glazing Type

Glass Type used in the window

### Cooling Stars - ★

Window performance rating in a cooling dominated environment.

### Heating Stars - ★

Window performance rating in a heating dominated environment.

### U<sub>w</sub> - Window U-value (Insulating Ability)

The measure of the air-to-air heat transfer (either loss or gain) due to thermal (heat) conductance due to the difference between indoor and outdoor temperatures. The lower the U-value, the lower the heat transferred and the better the performance.

### SHGC<sub>w</sub> - Window Solar Heat Gain Coefficient

The ratio of solar radiation (light and heat) from the sun that is initially transmitted through the window plus a proportion of absorbed energy which is re-radiated back inside. A rating of "1" represents an open hole in the wall whilst a "0" represents a solid wall. The lower this figure, the better the window is at excluding and eliminating solar radiation.

### T<sub>vw</sub> - Visible Light Transmission

Visible Light Transmittance is the percentage of light transmitted through the glass where 100% represents an open hole in the wall.

# AFRC/WERS Certified Products (Extract)\*

\*Below is a sample of G.James Window & Door products and their respective Whole of Window (WOW) performance results which are provided by WERS and determined using NFRC/AFRC protocols and procedures. For a complete list of G.James WERS Certified Products go to: [www.gjames.com/professional/wers](http://www.gjames.com/professional/wers).

Product: 048 Series Awning Window		WERS		AFRC	
Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw	Tvw
3mm GJ Float Clear	★	★★★★☆	6.4	0.62	62%
5mm GJ Float Grey	★★	★★★	6.3	0.45	35%
6mm Sunergy® (Neutral)	★★☆	★★★★	5.2	0.44	47%
6.38mm GJ Solect® Clear Low E Laminate	★★☆	★★★★☆	4.9	0.50	56%
6.38mm GJ Solect® Green Low E Laminate	★★★	★★★★	4.9	0.37	49%
6.38mm GJ Solect® Pewter Low E Laminate	★★★★☆	★★★★	4.9	0.37	27%
4mm Clear/12mm Air/4mmClear IGU	★★☆	★★★★★☆	4.0	0.56	58%
Product: 132 Series Sliding Window		WERS		AFRC	
Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw	Tvw
3mm GJ Float Clear	☆	★★	6.5	0.77	79%
5mm GJ Float Grey	★☆	★☆	6.4	0.55	44%
6mm GJ Sunergy® (Neutral)	★★	★★★	4.9	0.55	61%
6.38mm GJ Solect® Clear Low E Laminate	★★	★★★★☆	4.5	0.60	71%
6.38mm GJ Solect® Green Low E Laminate	★★★	★★★	4.5	0.44	62%
6.38mm GJ Solect® Pewter Low E Laminate	★★★	★★★	4.5	0.44	34%
4mm Clear/12mm Air/4mmClear IGU (076 Series)	★★	★★★★★☆	4.0	0.63	67%
Product: 136 Series Double Hung Window		WERS		AFRC	
Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw	Tvw
3mm GJ Float Clear	☆	★★	6.5	0.73	75%
5mm GJ Float Grey	★☆	★☆	6.4	0.53	42%
6mm GJ Sunergy® (Neutral)	★★☆	★★★	5.0	0.51	57%
6.38mm GJ Solect® Clear Low E Laminate	★★	★★★★☆	4.6	0.58	68%
6.38mm GJ Solect® Green Low E Laminate	★★★	★★★	4.6	0.43	59%
6.38mm GJ Solect® Pewter Low E Laminate	★★★	★★★	4.6	0.42	33%
4mm Clear/12mm Air/4mmClear IGU (138 Series)	★★	★★★★	4.0	0.59	62%
Product: 246 Series Sliding Door		WERS		AFRC	
Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw	Tvw
4mm GJ Float Clear	☆	★★☆	6.3	0.72	76%
5mm GJ Float Grey	★★	★★	6.3	0.52	43%
6mm GJ Sunergy® (Neutral)	★★☆	★★★★☆	4.8	0.51	58%
6.38mm GJ Solect® Clear Low E Laminate	★★	★★★★	4.4	0.58	69%
6.38mm GJ Solect® Green Low E Laminate	★★★	★★★★☆	4.3	0.42	60%
6.38mm GJ Solect® Pewter Low E Laminate	★★★	★★★★☆	4.4	0.42	33%
4mm Clear/10mm Air/4mm Clear IGU	★★	★★★★★☆	4.0	0.63	67%
Product: 472 Series Hinged Door		WERS		AFRC	
Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw	Tvw
4mm GJ Float Clear	★	★★	6.2	0.63	64%
5mm GJ Float Grey	★★	★☆	6.2	0.47	36%
6mm GJ Sunergy® (Neutral)	★★☆	★★★	4.9	0.45	48%
6.38mm GJ Solect® Clear Low E Laminate	★★☆	★★★★☆	4.4	0.51	58%
6.38mm GJ Solect® Green Low E Laminate	★★★★☆	★★★	4.4	0.38	50%
6.38mm GJ Solect® Pewter Low E Laminate	★★★★☆	★★★	4.4	0.38	28%
4mm Clear/12mm Air/4mm Clear IGU	★★☆	★★★★	4.1	0.56	58%

**Notes:**

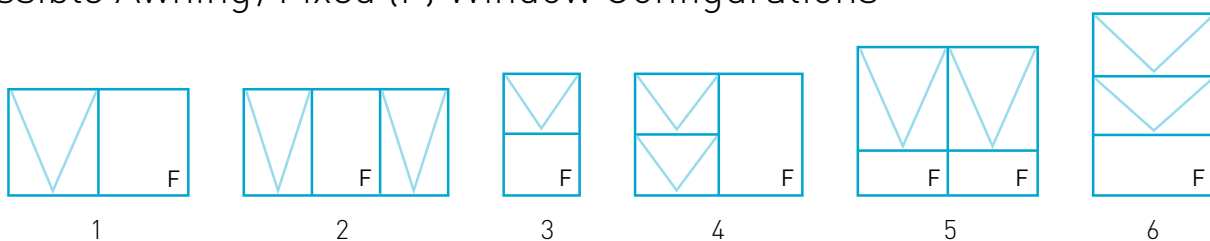
- For the full definition of the terms detailed in the above table, refer to Page 4.
- Static performance (Uw, SHGCw & Twv) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003.
- Annual energy performance stars calculated using Nationwide House Energy Rating Software (AccuRate) according to procedures of WERS 2008.
- Results disclosed at National Fenestration Rating Council (NFRC) regulations.
- These results are consistent with Australian Fenestration Rating Council (AFRC) protocols and procedures.

# 048 Series Awning Window

## Standard Size Range / Configurations

		Width (mm)						
		660	960	1260	1560	1860	2160	2460
		610	910	1210	1510	1810	2110	2410
Height (mm)	650							
	950							
	1250							
	1550							
	1850							

### Possible Awning/Fixed (F) Window Configurations



**Product Specific Notes:**

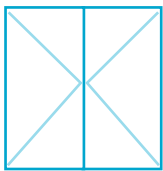
- Configurations greater than 2410mm wide available.
- Sizes detailed above are based on 'top hung' sashes with chainwinder. Certain sizes may not be available if stays and cam handle hardware option is specified.
- Black chainwinders supplied as standard. White, Silver and keyed chainwinders available on request (additional cost applies).
- Multiple bay configurations will be supplied in equal splits unless requested otherwise.
- Minimum window width for a 'centre drive' chainwinder is 540mm. Minimum window width for 'off-centre drive' winder is 450mm.

# 048 Series Casement Window

## Standard Size Range / Configurations

		Width (mm)						
		660	960	1260	1560	1860	2160	2460
		610	910	1210	1510	1810	2110	2410
Height (mm)	950							
	1250							
	1550							

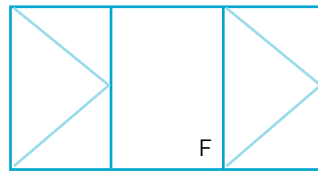
### Possible Casement/Fixed (F) Window Configurations



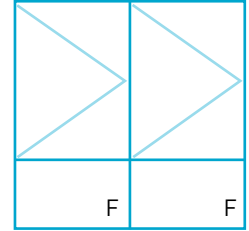
1



2



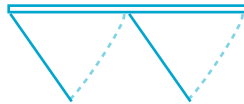
3



4

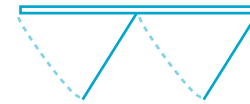
### Opening Options:

#### Left Hand Hinged



Window opens (hinges) to the left and handle positioned on the right as viewed from the outside.

#### Right Hand Hinged



Window opens (hinges) to the right and handle positioned on the left as viewed from the outside.

### Product Specific Notes:

- When ordering, nominate the handing of the window, ie. the position, either left or right, of the handle as viewed from the outside.
- Multiple bay configurations will be supplied in equal splits unless requested otherwise.

- Black hardware supplied as standard (excluding stays). White, silver and keyed handles available on request (additional charge applies).

# 050 Series Louvre Window

## Standard Heights

102mm ALTAIR® LOUVRE				130mm ALTAIR® LOUVRE				152mm ALTAIR® LOUVRE			
GALLERIES ONLY		48mm FRAME	101mm FRAME	GALLERIES ONLY		48mm FRAME	101mm FRAME	GALLERIES ONLY		48mm FRAME	101mm FRAME
Blades	mm	mm	mm	Blades	mm	mm	mm	Blades	mm	mm	mm
3	310	336	361	2	270	296	321	2	320	346	371
4	400	426	451	3	388	414	439	3	460	486	511
5	490	516	541	4	506	532	557	4	600	626	651
6	580	606	631	5	624	650	675	5	740	766	791
7	670	696	721	6	742	768	793	6	880	906	931
8	760	786	811	7	860	886	911	7	1020	1046	1071
9	850	876	901	8	978	1004	1029	8	1160	1186	1211
10	940	966	991	9	1096	1122	1147	9	1300	1326	1351
11	1030	1056	1081	10	1214	1240	1265	10	1440	1466	1491
12	1120	1146	1171	11	1332	1358	1383	11	1580	1606	1631
13	1210	1236	1261	12	1450	1476	1501	12	1720	1746	1771
14	1300	1326	1351	13	1568	1594	1619	13	1860	1886	1911
15	1390	1416	1441	14	1686	1712	1737	14	2000	2026	2051
16	1480	1506	1531	15	1804	1830	1855	15	2140	2166	2191
17	1570	1596	1621	16	1922	1948	1973	16	2280	2306	2331
18	1660	1686	1711	17	2040	2066	2091	17	2420	2446	2471
19	1750	1776	1801	18	2158	2184	2209	18	2560	2586	2611
20	1840	1866	1891	19	2276	2302	2327	19	2700	2726	2751
21	1930	1956	1981	20	2394	2420	2445	20	2840	2866	2891
22	2020	2046	2071	21	2512	2538	2563	21	2980	3006	3031
23	2110	2136	2161	22	2630	2656	2681	22	3120	3146	3171
24	2200	2226	2251	23	2748	2774	2799				
25	2290	2316	2341	24	2866	2892	2917				
26	2380	2406	2431	25	2984	3010	3035				
27	2470	2496	2521								
28	2560	2586	2611								
29	2650	2676	2701								
30	2740	2766	2791								
31	2830	2856	2881								
32	2920	2946	2971								

Wind Rating - General	6mm Toughened Glass	6mm Annealed Glass	Aluminium Blades
N1 - N3	1052 (950mm Blade)	1002 (900mm Blade)	1052 (950mm Blade)
N4	1052 (950mm Blade)	907 (805mm Blade)	
N5	1052 (950mm Blade)	760 (658mm Blade)	
C1	1052 (950mm Blade)	952 (850mm Blade)	
C2	1052 (950mm Blade)	796 (694mm Blade)	
C3	1003 (901mm Blade)	671 (569mm Blade)	

The above **Blade** widths apply to 102, 130 & 152mm blades.

### Product Specific Notes:

- When ordering, nominate width of clip (either 102, 130 or 152mm) and frame width (either 48 or 101mm).
- Altair 'Standard' handle supplied as standard. Low profile, keyed and ring pull handles available on request (additional charge applies).

- All dimensions refer to single bay units.
- Black handle(s) and clips supplied as standard. White & grey handle and clips available on request (additional charge applies).
- Consult your G.James representative regarding non-standard heights and maximum blade widths for other Wind Ratings and Corner Zones.



# 132 Series Sliding Window

## Standard Size Range / Configurations

**Stud Opening** (Frame Size with reveals + 10mm clearance)

**Outer Frame Size** (excludes fixing fin & reveals)

		Width (mm)							
		660	960	1260	1560	1860	2160	2460	2760
		610	910	1210	1510	1810	2110	2410	2710
Height (mm)	650								
	950								
1250									
1550									

### Legend

X Slider	O Fixed	X	O	X	O	X	X	O
1/2	1/2	1/4	1/2	1/4	1/4	1/4	1/4	1/4

**Note:** The above Size Range also applies to the 076 Series Double Glazed Sliding Window (XO & XOX configurations only available).

### Product Specific Notes:

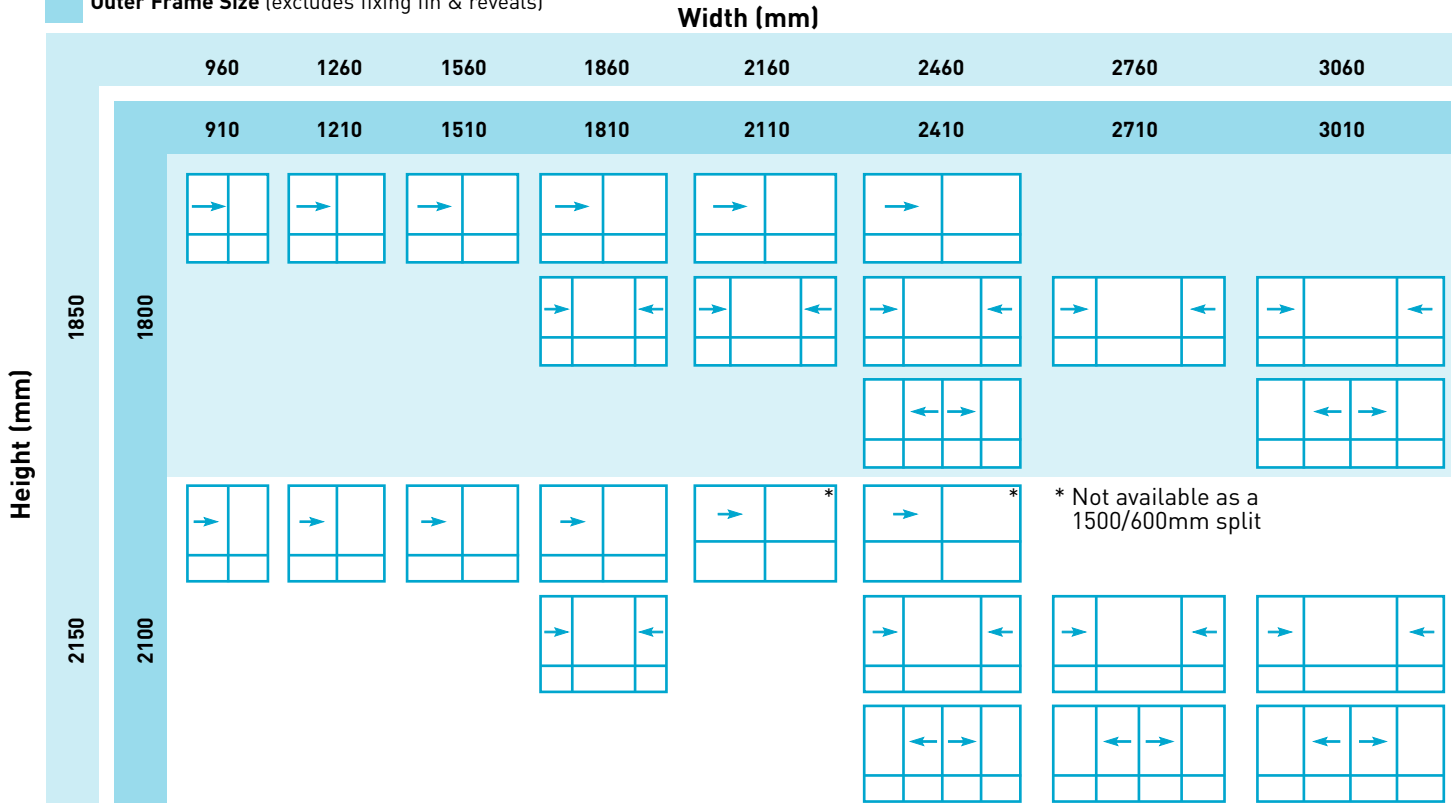
- Configurations greater than 2710mm wide are available.
- All configurations are viewed from the outside looking inside.
- All two panel windows will be supplied as XO (slider / fixed) unless requested otherwise.
- Key lock handle upgrade available (additional cost applies).

# 132 Series Window Wall

## Standard Size Range / Configurations

**Stud Opening** (Frame Size with reveals + 10mm clearance)

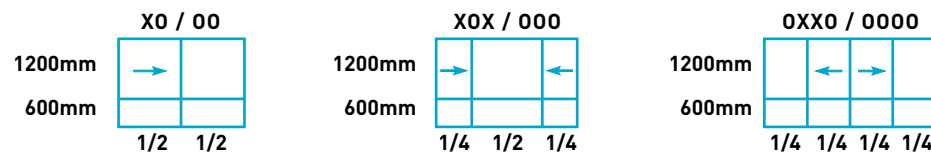
**Outer Frame Size** (excludes fixing fin & reveals)



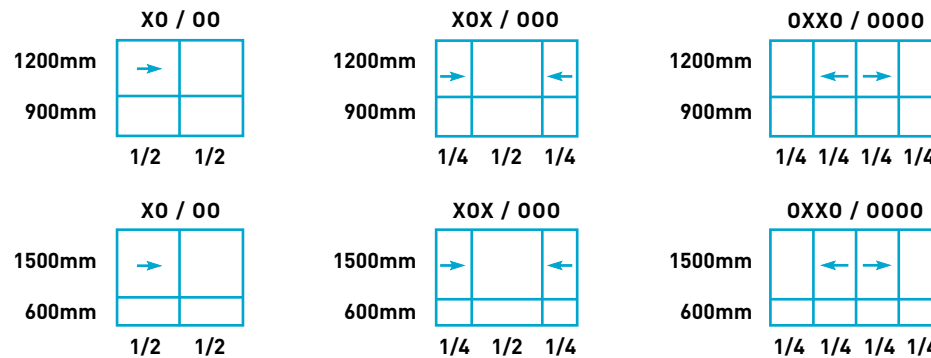
\* Not available as a 1500/600mm split

### Legend

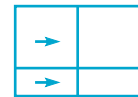
#### 1800mm High Split



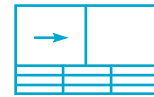
#### 2100mm High Split Options (Customer is to nominate the height split required at time of order).



### Options



XO / XO Window Wall



XO with 3 Bay Louvre Low Light



Window Wall with Semi-Circle Head



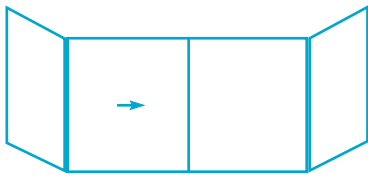
Window Wall with Raked Head

### Product Specific Notes:

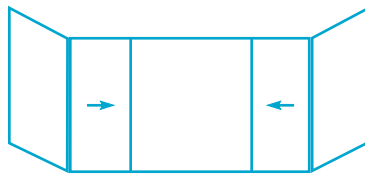
- All configurations are viewed from the outside looking inside.
- All two panel windows will be supplied as XO (slider / fixed) unless requested otherwise.
- The above '2100mm high' illustrations are scaled with a 1500/600 transom split with the exception of 2110mm & 2410mm wide units

- which are only available with a 1200/900mm split.
- Mullion(s) to bottom fixed panels will be supplied as standard unless otherwise requested.
- All panels to the lower portion of a window wall will be supplied as fixed panels unless requested otherwise.
- Height splits refer to the centre of the transom.
- Key lock handle upgrade available (additional cost applies).

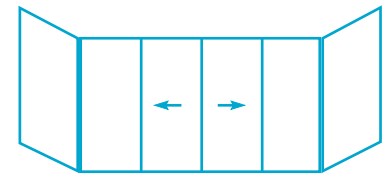
# 132 Series Bay Window Configurations



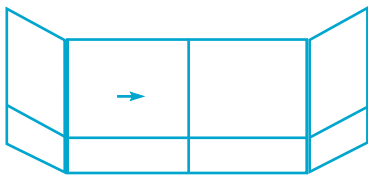
**X0 Bay**



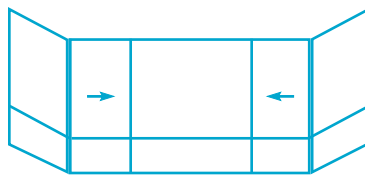
**XOX Bay**



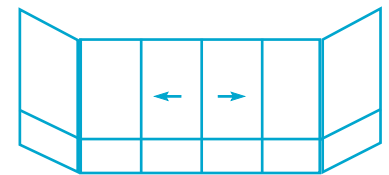
**OXX0 Bay**



**X0 Window Wall Bay**



**XOX Window Wall Bay**



**OXX0 Window Wall Bay**

**Product Specific Notes :**

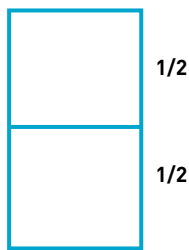
- All configurations are viewed from the outside looking inside.
- Standard height and width dimensions are as per the 132 Series Sliding Window and Window Wall Size Range – see Pages 9 & 10.
- Bay window configurations illustrated above show a 135° angle, 90° available upon request.

# Fixed Windows Configurations

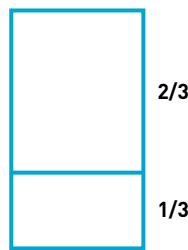
## Rectangle / Square



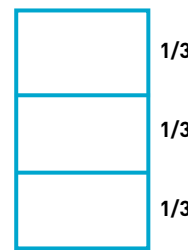
**Single Panel**



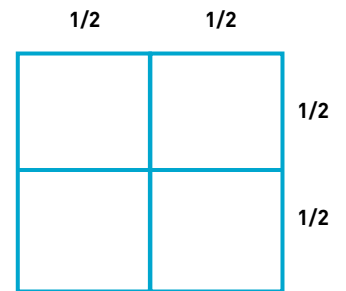
**Two Panel – Equal (Horz.)**



**Two Panel – Unequal (Horz.)**

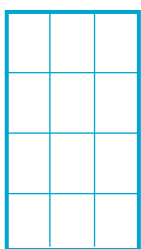


**Three Panel – Equal (Horz.)**

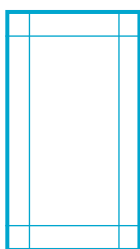


**Four Panel – Equal Corners**

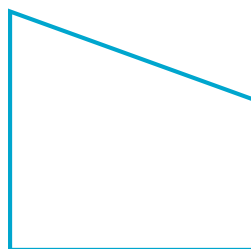
## Other



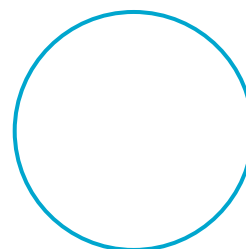
**Colonial Bars**



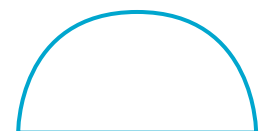
**Federation Bars**



**Raked Window**



**Circle**



**Semi-Circle**

**Product Specific Notes:**

- A minimum diameter of 600mm (painted frames) and 800mm (anodised frames) applies to circles, semi-circles and arches.

# 136 Series Double Hung Window

## Standard Size Range / Configurations

**Stud Opening** (Frame Size with reveals + 10mm clearance)

**Outer Frame Size** (excludes fixing fin & reveals)

**Width (mm)**

		660	960	1260	1560	1860	2160	2460
		610	910	1210	1510	1810	2110	2410
Height (mm)	950							
	1250							
	1550							
	1850							
	2150							

**Product Specific Notes:**

- Due to weight limitations on various operating components, sizes which exceed the standard size range may not be available.
- Multiple bay configurations will be supplied in equal splits.
- For windows 1800mm high and over, it is recommended to consider the operation of the window to ensure the configuration selected is the best 'fit-for-purpose'. Issues such as reach, sash weight and furniture position are some aspects that can affect the ability to open

- and close a double hung window. The option of selecting a Counter Balance operation in such situations should be considered.
- Where a choice of configuration for a particular width is illustrated above, the customer is to nominate the number of bays required.
- Single bay windows over 1000mm in width will be fitted with two (2) catches as standard.
- Spring-balance type operation is supplied as standard unless counter balance type is requested.

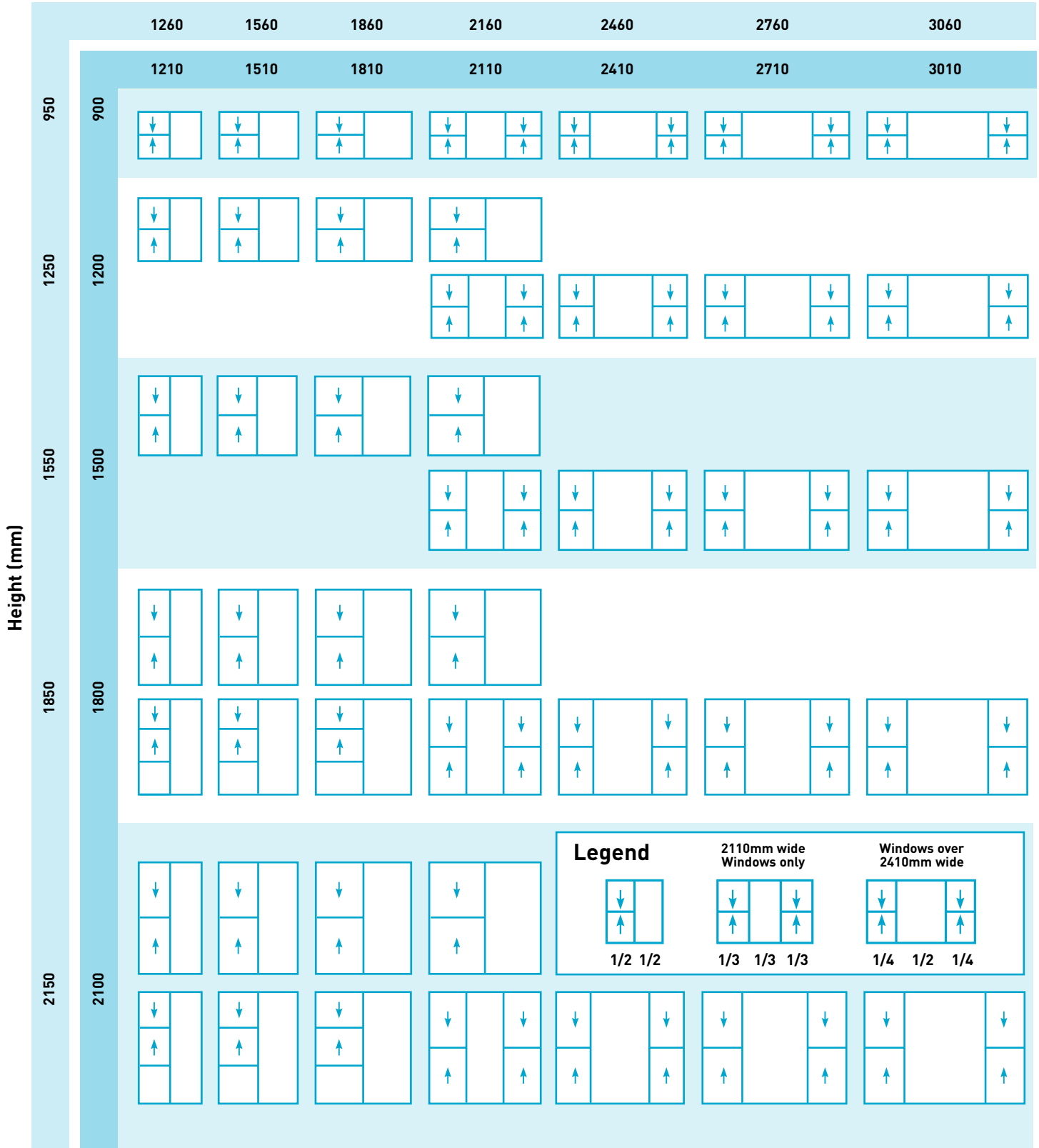
# 136 Series Double Hung / Fixed Panel Window Combinations

## Standard Size Range / Configurations

**Stud Opening** (Frame Size with reveals + 10mm clearance)

**Outer Frame Size** (excludes fixing fin & reveals)

**Width (mm)**

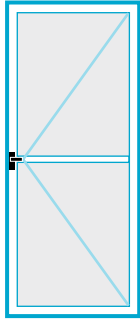


# 140 Series Screens

## Product Range

### FLYSCREENS

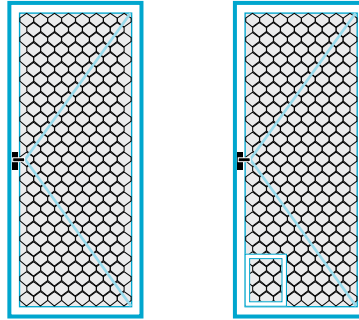
**Hinged Flyscreen Door**  
(Manufactured to suit opening)



**HF**

### BARRIER SCREENS

**Hinged Barrier Screen Door**  
(Manufactured to suit opening)

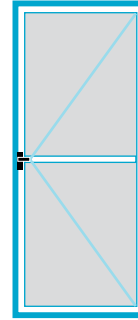


**HS**

**HSD**

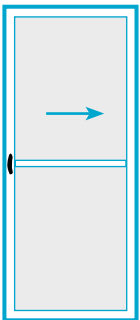
### CRIMS SAFE® SCREENS

**Hinged Crimsafe Door**  
(Manufactured to suit opening)



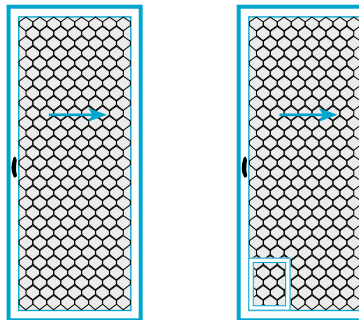
**HC**

**Sliding Flyscreen Door**  
(Manufactured to suit  
245/246 Series Sliding Doors)



**DF**

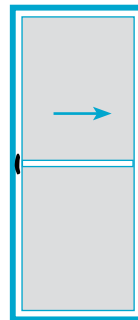
**Sliding Barrier Screen Door**  
(Manufactured to suit  
245/246 Series Sliding Doors)



**DS**

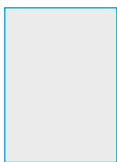
**DSD**

**Sliding Crimsafe Screen Door**  
(Manufactured to suit  
245/246 Series Sliding Doors)



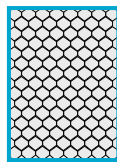
**DC**

**Fixed Flyscreen**  
(Manufactured to suit 048 Awning,  
050, 131/132 & 136 Series Windows)



**WF**

**Fixed Barrier Screen**  
(Manufactured to suit 048 Awning,  
050, 131/132 & 136 Series Windows)



**WS**

**Fixed Crimsafe Screen**  
(Manufactured to suit 048 Awning,  
050, 131 & 136 Series Windows)



**WC**

**Product Specific Notes:**

- All flyscreens are supplied with fibreglass mesh as standard.
- Pet Mesh™, aluminium and stainless steel mesh substitutes may be available upon request.

**Product Specific Notes:**

- All barrier screens incorporate 7mm ArmaGrille® (security mesh) and self latching keylock handle (door only).
- Handle height is dependent on the position of any internal door hardware.
- Hinged barrier screens can be upgraded to comply with Australian Standards (AS 2803 – 1994) upon request.
- HSD and DSD types illustrate a barrier door with a top-hinged, dual action pet door.
- It is recommended that a qualified installer fit barrier screens.
- Black anodised ArmaGrille® is supplied as standard.

**Product Specific Notes:**

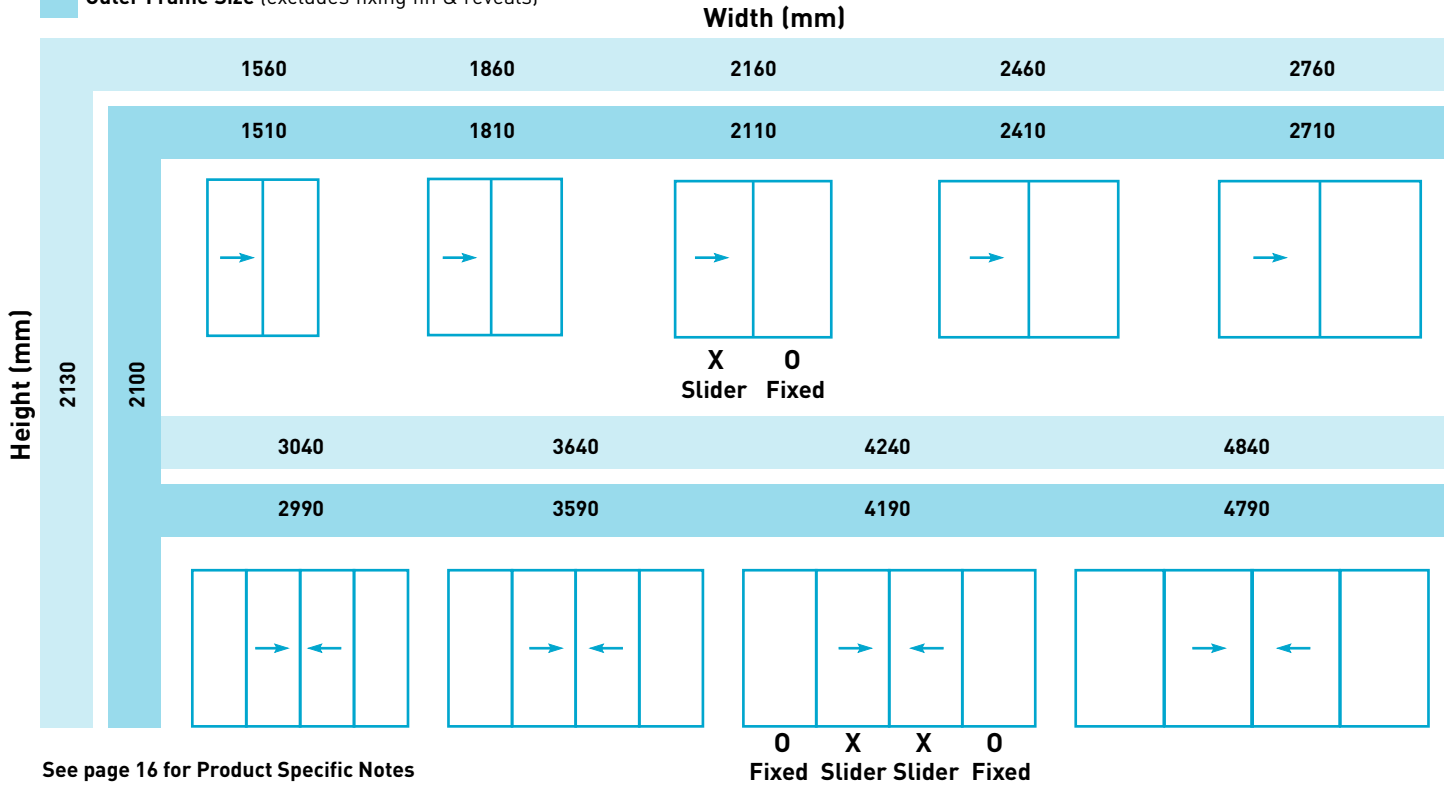
- Handle height is dependent on customer requirements.
- The specification for this product requires a midrail be fitted to Crimsafe screens which exceed certain size parameters.
- Maximum Crimsafe screen width 1550mm.
- It is recommended that a qualified installer fit Crimsafe screens.
- Crimsafe is a registered trademark of Crimsafe Security Systems Pty Ltd.

# 246 3 Track (101mm) Series Sliding Door

## Standard Size Range / Configurations

**Stud Opening** (Frame Size with reveals + 10mm clearance)

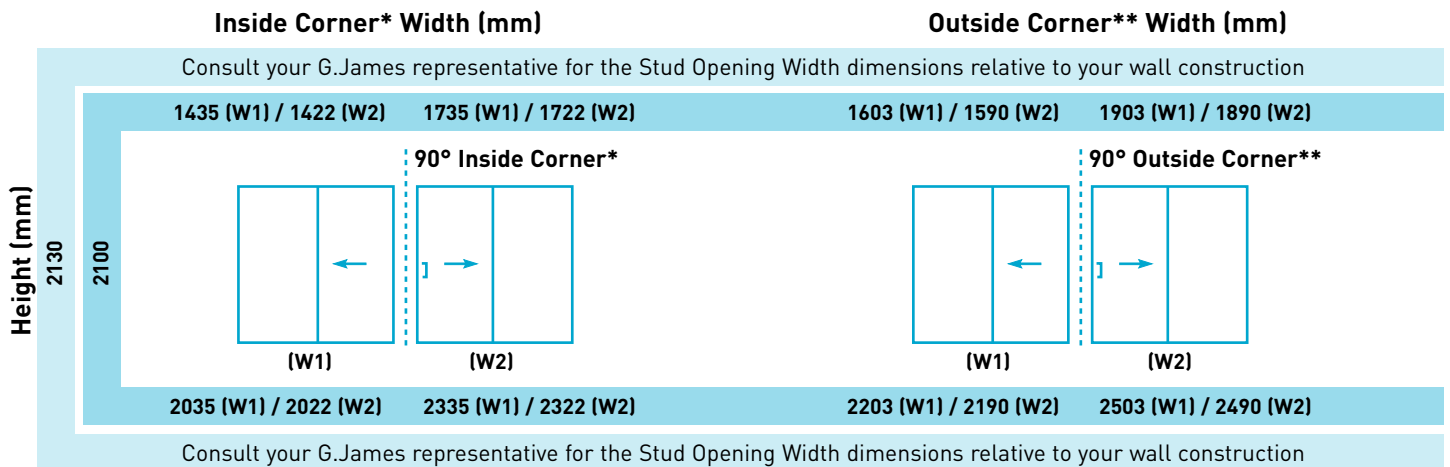
**Outer Frame Size** (excludes fixing fin & reveals)



## Corner Door – Standard Size Range / Configurations

**Stud Opening** (Important: Refer Size Chart and Product Specific Notes below)

**Outer Frame Size** (excludes fixing fin & reveals)



\* Refer Page 17, Diagram 1 for the orientation of an *Inside Corner* configuration.

\*\* Refer Page 17, Diagram 2 for the orientation of an *Outside Corner* configuration.

**Important - Corner Door Product Specific Notes:**

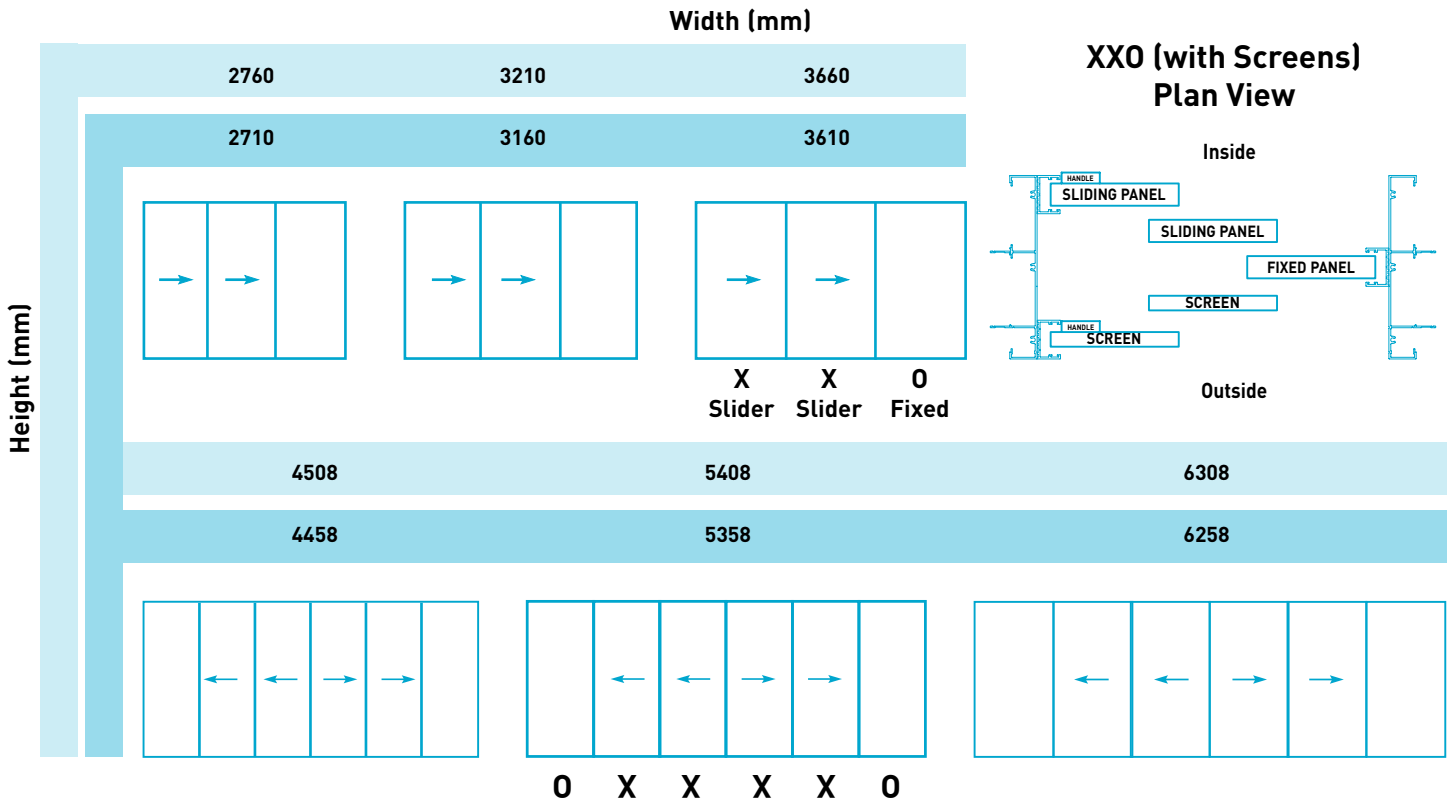
- Consult your G.James representative for:
  - > *Stud Opening* width dimensions relative to your wall construction
  - > Specific reference points for (W1) & (W2) dimensions
  - > Set-out details.
- The *Outer Frame Size* dimensions are based on standard size, toughened glass panels. Additional charge will apply for non-standard sizes.

# 246 Series 5 Track (168mm) Sliding Door

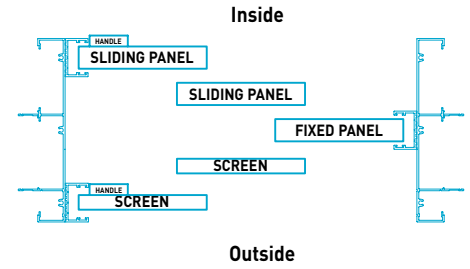
## Standard Size Range / Configurations

**Stud Opening** (Frame Size with reveals + 10mm clearance)

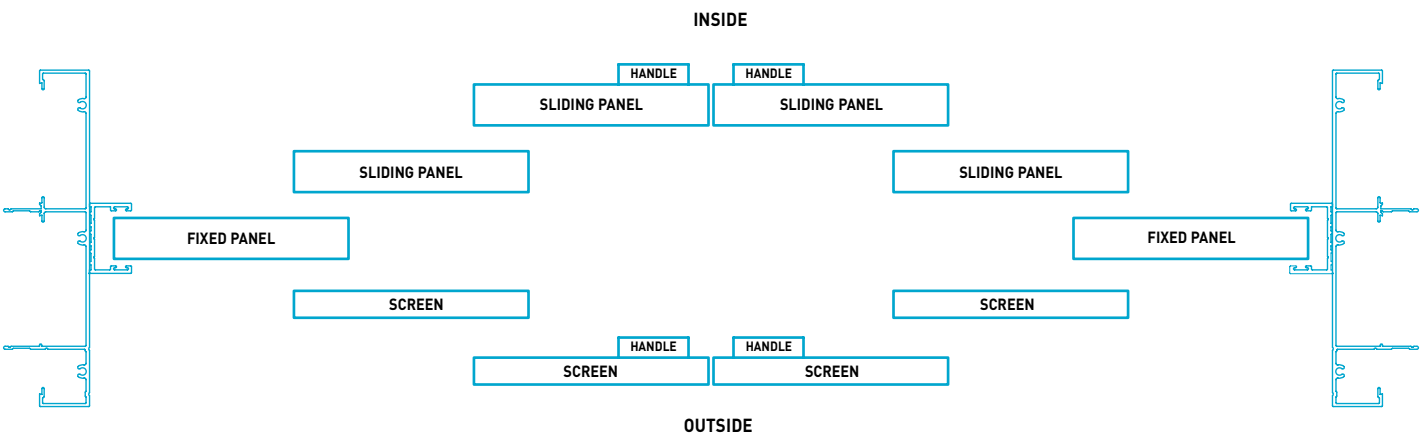
**Outer Frame Size** (excludes fixing fin & reveals)



### XXO (with Screens) Plan View



### OXXXXO (with Screens) Plan View



**Product Specific Notes:**

- All sliding panels are positioned on the inner most track(s) with any screens to the outer track(s).
- All sliding panels are positioned on the inner most track(s) with any screens to the outer track(s). This situation may differ for XXO and OXXXXO configurations - check with your G.James Representative.
- The frame size of all 2100mm high doors supplied to N5C3(W60) category sites will be at 2054mm high.
- Sizes up to 2400mm, non-screenable configurations and low profile sill (excluding corner doors) are available on request.



# 246 Series 5 Track (168mm) Corner Door

## Standard Size Range / Configurations

**Stud Opening** (Important: Refer Size Chart and Product Specific Notes below)

**Outer Frame Size** (excludes fixing fin & reveals)

**Inside Corner Width (mm) - see Diagram 1 below**

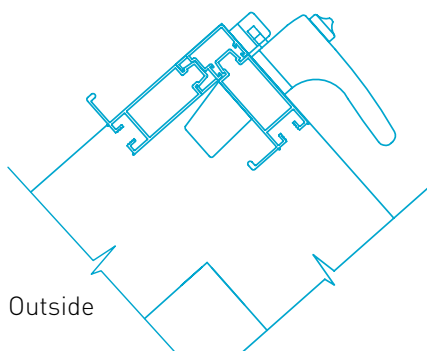
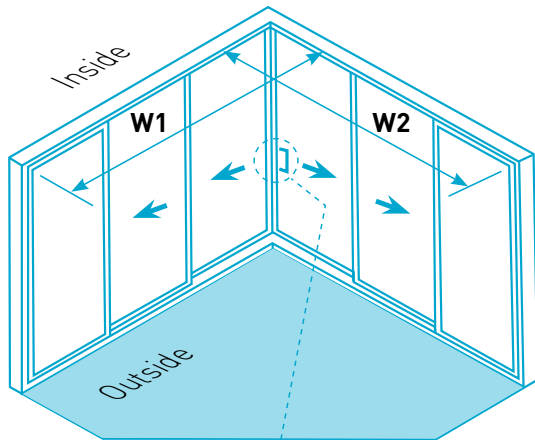
**Outside Corner Width (mm) - see Diagram 2 below**

Consult your G.James representative for the Stud Opening Width dimensions relative to your wall construction

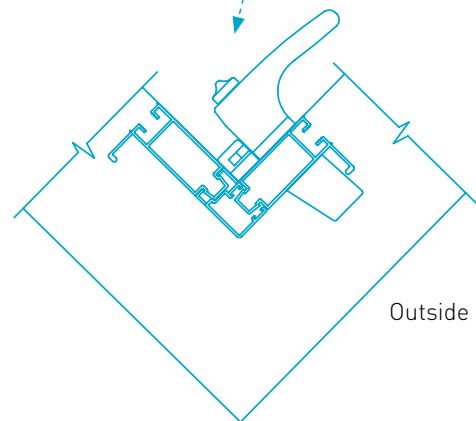
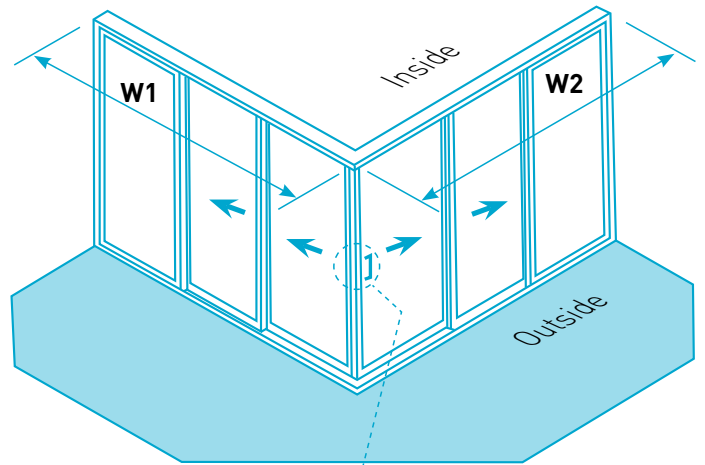
Height (mm)	2103 (W1) / 2090 (W2)	2553 (W1) / 2540 (W2)	2404 (W1) / 2391 (W2)	2854 (W1) / 2841 (W2)
	<p><b>90° Inside Corner</b></p>		<p><b>90° Outside Corner</b></p>	
2130	3003 (W1) / 2990 (W2)	3453 (W1) / 3440 (W2)	3304 (W1) / 3291 (W2)	3754 (W1) / 3741 (W2)

Consult your G.James representative for the Stud Opening Width dimensions relative to your wall construction

**Diagram 1 – Inside Corner**



**Diagram 2 – Outside Corner**



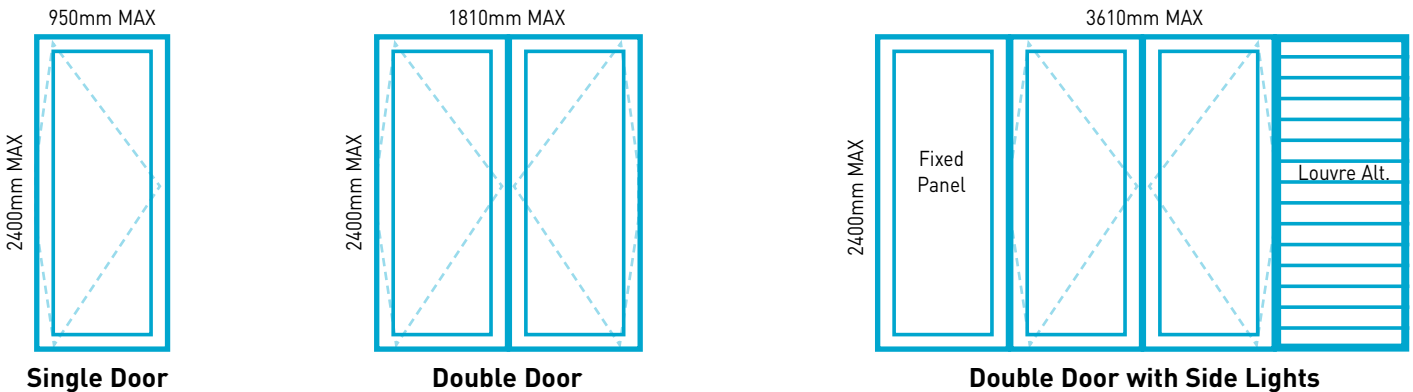
**Important - Corner Door Product Specific Notes:**

- Consult your G.James representative for:
  - > *Stud Opening* width dimensions relative to your wall construction
  - > Specific reference points for (W1) & (W2) dimensions
  - > Set-out details.

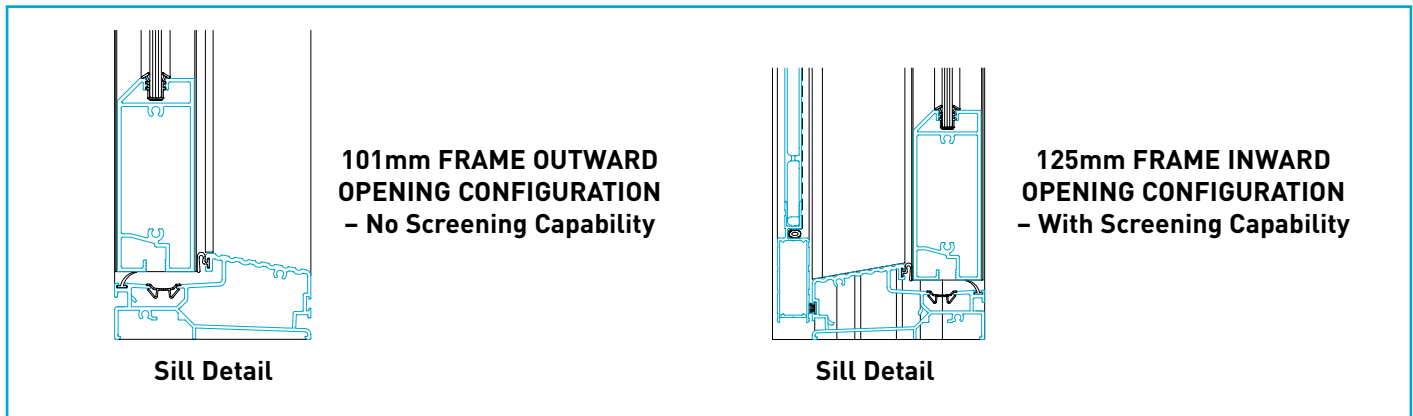
- The *Outer Frame Size* dimensions are based on standard size, toughened glass panels. Additional charge will apply for non-standard sizes.

# 472 Series Hinged Door

## Size Range / Configurations



### Frame Options:

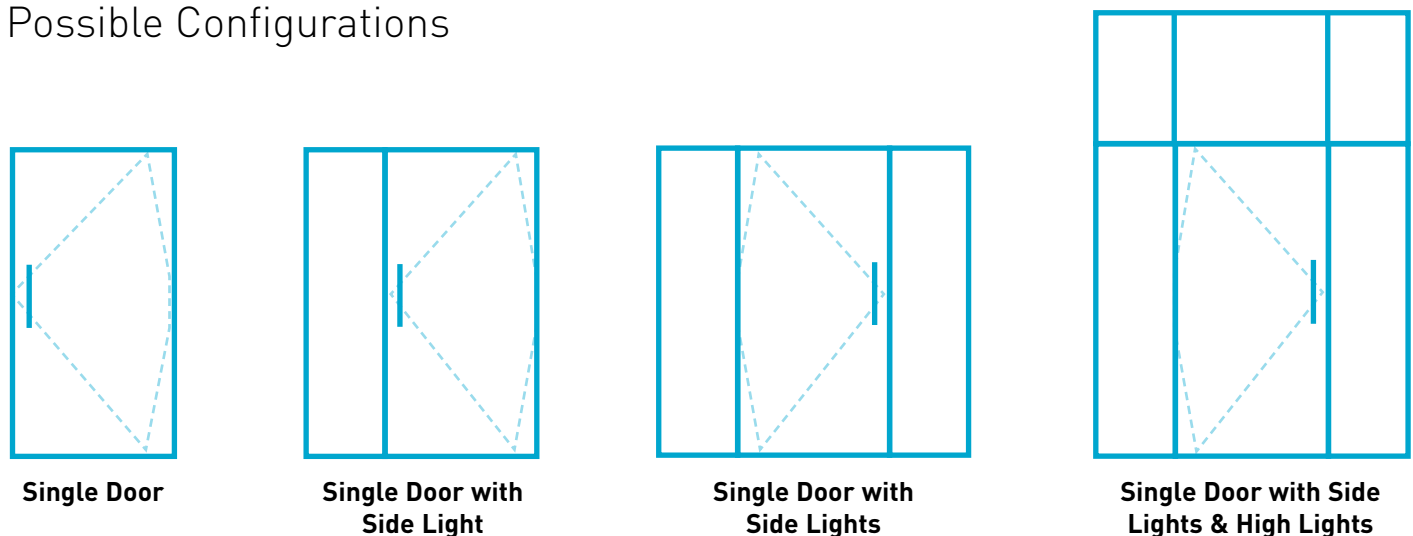


### Product Specific Notes:

- Lock Options available:
  - > Single Doors: Standard & Premium
  - > Double Doors: Standard, Intermediate, Premium & High Wind.

# 475 Series Pivot Door Entry Units

## Possible Configurations

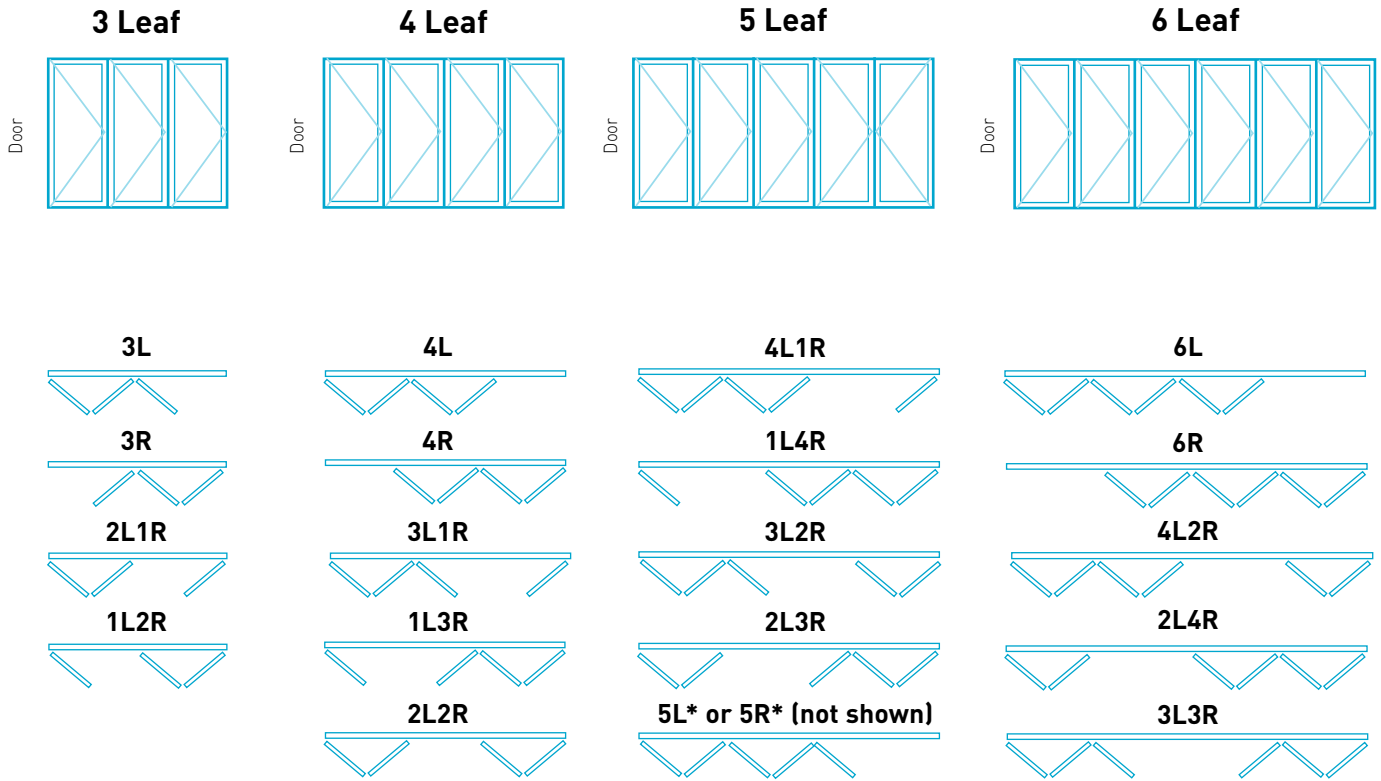


### Product Specific Notes:

- Consult your G.James representative regarding sizes, configurations and handle & locking options.

# 477 Series Bi-fold Door

## Size Range / Configurations



\*Available with the 477-220 Series **Top Hung** Bi-fold Door only.

### Size Limitations (Guide only and based on N3 Housing – General wind rating)

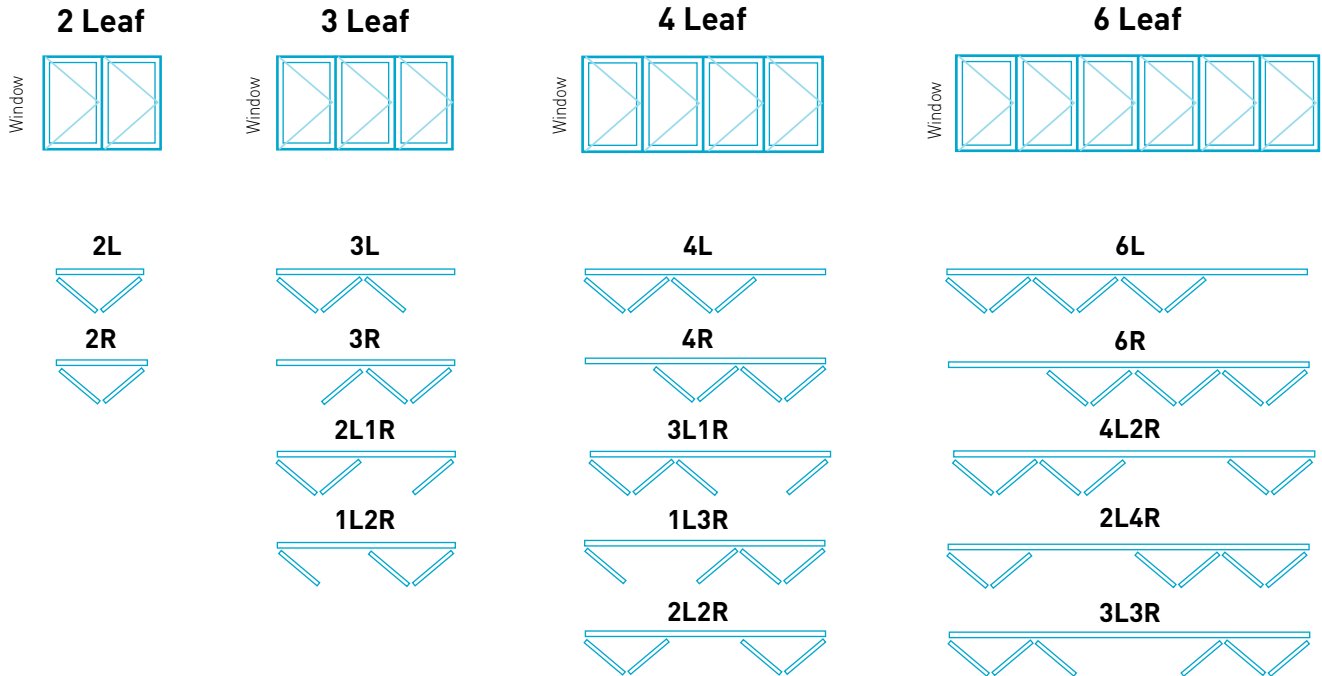
Product	Max. Height (mm)	Min. Width per Leaf (mm)	Max. Width per Leaf (mm)	Other
<b>477-220 Series 'Top Hung' Bi-fold Door</b> (Note: Structural beam (by builder) required for this product. See also first note below).	3000	700	<ul style="list-style-type: none"> <li>&gt; All 3L, 3R, 5L &amp; 5R configs – 950mm</li> <li>&gt; All other configs – 1000mm</li> </ul>	> Max. panel weight – 40 kg.
<b>477-520 Series 'Bottom Rolling' Bi-fold Door</b>	2550 (Max. height is dependent on leaf width)	450	<ul style="list-style-type: none"> <li>&gt; All 3L &amp; 3R configs – 900mm</li> <li>&gt; All other configs – 1000mm</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Max. panel weight – 80 kg.</li> <li>&gt; 5L &amp; 5R configs are not available in the 477-520 Series.</li> </ul>

#### Product Specific Notes:

- A structural overhead beam is required for 477-220 Series Bi-fold Doors. All beams are to be supplied by the builder and engineered with a maximum 3mm sag when subjected to live and dead loads.
- Bi-fold Door/Window combinations are also possible however these units are suitable for sheltered, non-exposed positions only.
- Consult your G.James representative regarding configurations greater than 5 leaves to determine the most suitable configuration for your situation.
- Internal screening is available upon request, limitations apply.

# 477 Series Bi-fold Window

## Size Range / Configurations



### Size Limitations (Guide only and based on N3 Housing – General wind rating)

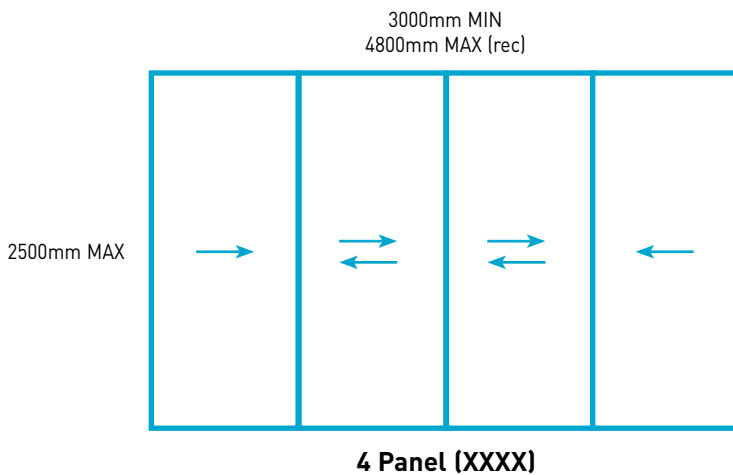
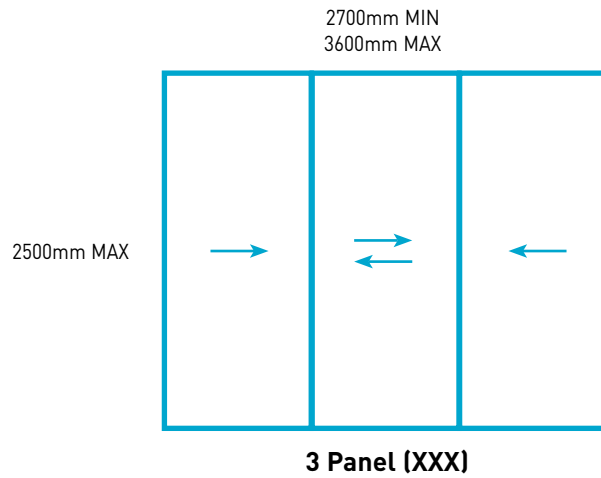
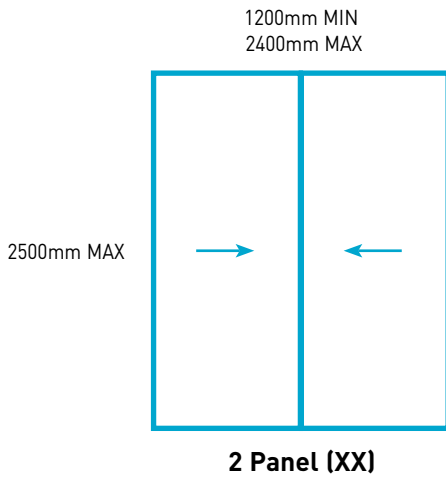
Product	Max. Height (mm)	Min. Width per Leaf (mm)	Max. Width per Leaf (mm)	Other
<b>477-530 Series Bi-fold Window</b> (Note: Structural beam (by builder) required for windows exceeding 2500mm in width <u>or</u> 20kg per leaf. See also first note below).	2100	450	1000	> Max. weight per leaf – 40 kg. > Standard Sill, Flush Sill (FS) & No Sill (NS) options available. > FS & NS windows are suitable for sheltered, non-exposed positions only. > NS windows have configuration restrictions.

#### Product Specific Notes:

- Bi-fold Door/Window combinations are also possible however these units are suitable for sheltered, non-exposed positions only.
- Internal screening is available upon request, limitations apply.

# 801 Series Sliding Wardrobe Door

## Size Range / Configurations



**Possible Panel Options  
(combinations available):**

- Vinyl-backed Mirror
- Lamiwood
- Plasterboard (vinyl coated or raw finish)
- MDF

**Product Specific Notes:**

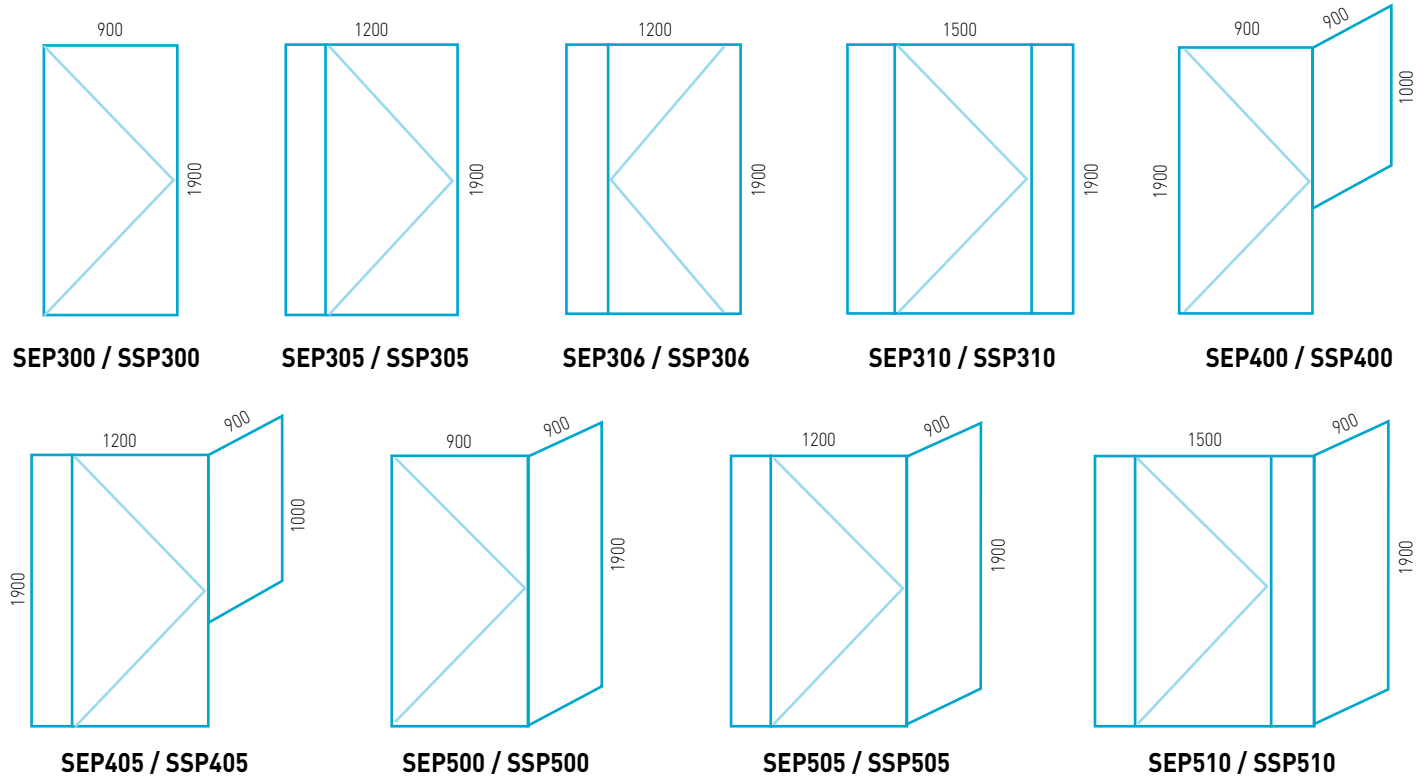
- Wardrobe doors are individually measured to suit the opening.
- A black buffer strip is supplied as standard to all doors with the exception being those panels supplied in Powder Coat White and Pearl White where a white buffer will be supplied as standard.
- Plaster board panels are available in either vinyl coated or raw finishes.
- The above material configurations are a sample ONLY. Any combination of materials is possible.
- Check availability of Panel Options with your G.James representative.
- Receiver (Jamb) channels are not supplied as standard but are available upon request.

# 826/830 Series Showerscreen

## Pivot Configurations

**Legend:**

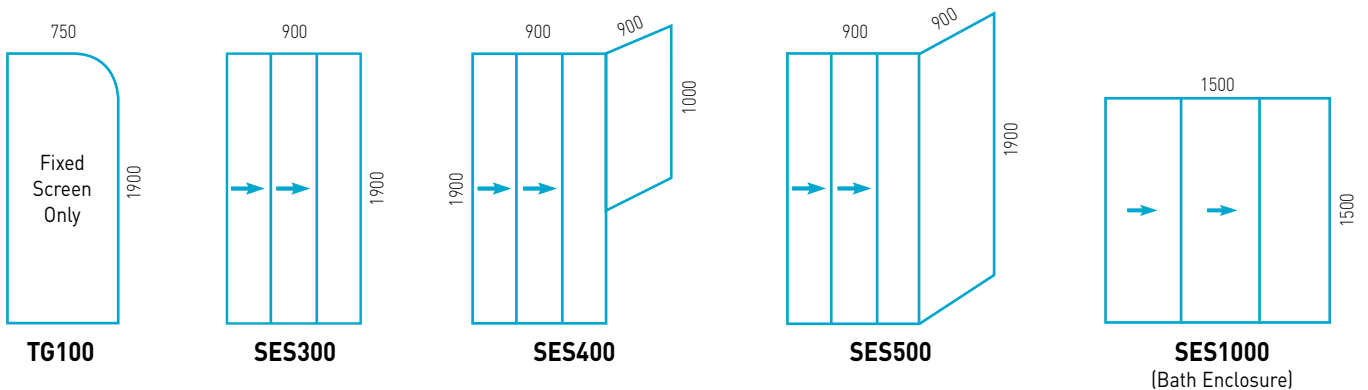
- 'SEP' codes are applicable to the 826 Series (fully) Framed Pivot Showerscreen.
- 'SSP' codes are applicable to the 830 Series Semi-frameless Pivot Showerscreen (aluminium framing to the horizontals and wall channels only, and also SSP400 & SSP405 return panel corners).



**Note: Toughened glass (fully) frameless Pivot Showerscreens and matching mirrors also available.**

# 826 Series Showerscreen

## Sliding & Fixed Configurations



(Toughened glass panel only, aluminium framing to wall & floor)

**Product Specific Notes:**

- Pivot doors supplied up to a maximum 900mm wide. PVC sill flap available on request.
- It is recommended that all non-full height return panels be installed to the inside below the hob to aid drainage.

- All panels are glazed with a Grade 'A' safety glass.
- Reverse handing to that shown above is available.
- Matching mirrors are also available.
- Sizes above are a guide only.

# Glossary

**Anodising:** A surface finish applied through an electrolysis process resulting in a hard, corrosion resistant oxide film.

**ArmaGrille®:** Expanded aluminium security grille. ArmaGrille is a registered trade name of G. James Australia Pty. Ltd.

**Awning Window:** A window where the sash is 'top-hung' allowing it the hinge horizontally at the top and arcs outwards at the bottom.

**Bi-fold Door/Window:** A door/window unit consisting of a number of hinged panels that fold in progression, stacking to one or both sides of the door opening.

**Casement Window:** A window where the sash is 'side-hung' with friction stays allowing it the hinge vertically from one side and arc outwards from the opposite side.

**Chainwinder:** A hardware item used to open and close awning windows. It consists of a winding mechanism and a semi-rigid chain which is attached to the bottom rail of the sash. As the winder is operated, the sash either extends or retracts depending on the winding direction.

**Dampcourse:** A durable material fixed to the perimeter frame of windows and doors which at the time of installation is placed in the wall of a house to divert the course of any moisture.

**Double Glazing:** The use of an Insulated Glass Unit into a window/door for the purpose(s) of achieving improved noise reduction and/or thermal performance. Contact your G. James representative for alternative noise reducing (acoustic) glazing options, eg. laminated glass. See also Insulated Glass Unit.

**Double Hung Window:** A window in which the sashes slide in a vertical direction. Spring Hung type – sashes operate independent of one another. Counter Balance type – top and bottom sashes operate simultaneously.

**Fixing Fin:** A protrusion from the frame members (head, sill (not in doors) & jambs) used to fix a reveal to the perimeter frame of a window or door.

**Flashing:** A metal or PVC strip fixed to the perimeter of a window or door in brick veneer constructions and used to divert any water to the exterior.

**Frame:** The joined head, sill and jambs (surround) of a window or door.

**Friction Stay:** A hardware item used for the fitting and operation of awning and casement windows. These stays use 'friction' to hold the sash in an open position.

**Head:** The top horizontal member of a window or door frame.

**Heat Loss:** The transmission or radiation of interior heat to the outside through glazed areas.

**Insulated Glass (IG) Unit:** Where two or more panes of glass are separated by an air space and then sealed with silicone to form a single, airtight panel of glass. See also Double Glazing.

**Jamb:** The vertical members of a window or door frame.

**Laminated Glass:** Two or more panels of glass bonded together with one or more interlayer(s) of PVB (polyvinyl butyral). If broken, the resulting fragments typically remain intact, firmly adhered to the interlayer. Laminated glass qualifies as a Grade 'A' safety glass suitable for glazing entry doors and accompanying side lights, bathroom windows and shower screens.

**Louvre Window:** A window in which a series of horizontal overlapping 'blades' (comprising glass, aluminium and/or timber) are retained within a gallery of moulded clips. The blades pivot via the operation of a handle(s) which allows the blade angle to be adjusted.

**Motif:** A visual design either adhered onto or etched into a glass panel used to draw attention to, and minimise collisions with a closed door.

**Obscure Glass:** A textured or patterned glass used for light control, privacy (bathrooms etc.) and decorative glazing applications

**Powder Coating:** A durable and decorative surface finish applied to the aluminium.

**Reveal:** A timber surround used for fixing a window or door into the wall framing. A reveal is attached to the window or door frame through a 'fixing fin'. The depth of the reveal is dependent on the construction type. Typical examples are as follows:

1. Brick Veneer Reveal Width (mm) = (Internal Sheet Thickness + Stud Width + Cavity Width) less 15mm.
2. Clad Sheet Reveal Width (mm) = (Internal Sheet Thickness + Stud Width) less 3 to 5mm.

**Safety Glass:** See Laminated or Toughened Glass.

**Sill:** The bottom horizontal member of a window or door frame.

**Sill Inlay:** A rigid PVC strip fitted into a sliding window sill for aesthetic, improved water penetration and maintenance purposes.

**Solar Heat Gain:** The increase of a home's interior heat as a result of solar energy which is directly transmitted and absorbed through its glazed areas. Contact your G. James representative to discuss glazing options available to reduce heat gain.

**Solect®:** A Low E coated glass that offers superior thermal performance ideal for reducing heating (Solar Heat Gain) & cooling costs and creating an improved level of interior comfort. Solect is a registered trade name of G. James Australia Pty Ltd.

**Threshold (Sliding Door):** A profiled aluminium extrusion fitted into unused sections of a sliding door sill for aesthetic and maintenance purposes.

**Tinted Glass:** Glass used to reduce solar transmission to the interior by absorbing solar energy, the majority of which is subsequently dissipated to the outside by re-radiation and convection.

**Toughened Glass:** If broken toughened glass will fracture into many small pieces minimising the extent of injury. Toughened glass qualifies as a Grade 'A' safety glass suitable for glazing entry doors and accompanying side lights, bathroom windows and showerscreens.

**Window Energy Rating Scheme (WERS):** See Page 4.

**Wind Load:** The force/pressure a glazed area is subject to from wind. This load is used to calculate the glass type and thickness as well as the mullion (unsupported vertical member) and transom (unsupported horizontal member) of a window/door to ensure compliance with relevant Australian Standards.

**Window Wall:** A combination unit incorporating a series of sliding windows or sliding and fixed windows which are coupled or fixed together to form a 'wall'.

## Guarantee

**Thank you** for considering G.James Windows & Doors. For your peace of mind, G.James windows and doors supplied to residential housing are proudly guaranteed against defects arising from faulty workmanship or materials for a period of seven (7) years from the invoice date of the goods, subject to the following conditions:

- The product has been installed in accordance with the relevant Australian Standards and recognised building practices.
- The product has been maintained in accordance with the G.James *Care & Maintenance Instructions* (visit [www.gjames.com/maintenance](http://www.gjames.com/maintenance)).
- The product has not been subject to misuse, physical abuse or neglect.
- Manufacturing standards and tolerances are not deemed defects, nor are industry variations in the colour of the aluminium surface finish.
- G.James assumes no liability for damage caused by cleaning solvents, mortar or brick cleaning acids.
- 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. No liability is accepted by G.James for personal injury, loss or claim or property damage, installation costs, material or other costs (whether special, consequential or otherwise) howsoever caused or arising whether direct or indirect.
- Only repairs carried out by G.James personnel or authorised G.James agents are covered by this Guarantee.
- 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 nearest G.James branch.
- This guarantee is in addition to all other rights and remedies in respect of the product to which you are entitled under the Trade Practice Act and similar State and Territory laws.

We are confident our products will perform to, if not exceed your expectations. Should you wish to offer feedback on any of our products or services then please call (07) 3877 2373 or email [admin@gjames.com.au](mailto:admin@gjames.com.au)



G.James Glass & Aluminium is a member of the Australian Window Association and as such conforms to an Industry Code of Conduct designed to protect consumers.

## Cleaning & Maintenance Instructions

For instructions and details relating to Glass & Aluminium Cleaning, Hardware Care & Maintenance and Replacement Parts & Service go to: [www.gjames.com/maintenance](http://www.gjames.com/maintenance).

Of note is the cleaning instructions for the interior surface of Solect, Optilight and Solarplus glass products. As the interior surface of these high performance products is treated with a microscopically thin coating, G.James recommends that the coated, interior surface be hand cleaned ONLY. The use of a squeegee or metal scrapers/blades is not recommended. For further details go to: [www.gjames.com/maintenance/glass](http://www.gjames.com/maintenance/glass).

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Due to continual product development, changes within the window industry and amendments to relevant standards, G.James reserves the right to add, alter or delete any information or offers contained in this booklet without notice.





## QUEENSLAND

**Brisbane**, 30 French St,  
Eagle Farm  
Phone: 3877 2844  
hilite@gjames.com.au

**Logan City**, 23 Kingston Rd,  
Woodridge  
Phone: 3827 6333  
woodridge@gjames.com.au

**Capalaba**, 176 Redland Bay Rd  
Phone: 3823 9090  
woodridge@gjames.com.au

**Caboolture**, 40 Sodium St,  
Narangba  
Phone: 3897 0811  
narangba@gjames.com.au

**Ipswich**, 15 Verrall St,  
Riverview  
Phone: 3810 5355  
riverview@gjames.com.au

**Gold Coast**, 636 Nerang Rd,  
Ashmore  
Phone: 5588 5755  
goldcoast@gjames.com.au

**Toowoomba**, 319 Taylor St,  
Phone: 4690 2111  
toowoomba@gjames.com.au

**Sunshine Coast**, Maroochydore Rd,  
Kunda Park  
Phone: 5430 4544  
maroochydore@gjames.com.au

**Gympie**, 6 Bonnick Rd,  
Phone: 5480 6666  
gympie@gjames.com.au

**Hervey Bay**, 1511 Booral Rd,  
Urangan  
Phone: 4128 5733  
hervey\_bay@gjames.com.au

**Bundaberg**, 49-51 Enterprise St,  
Phone: 4155 4888  
bundaberg@gjames.com.au

**Gladstone**, 32 Benaraby Rd  
Phone: 4970 0500  
gladstone@gjames.com.au

**Rockhampton**, Featherstone St  
Phone: 4931 3977  
rockhampton@gjames.com.au

**Mackay**, 9 David Muir St,  
Slade Point  
Phone: 4955 4860  
mackay@gjames.com.au

**Townsville**, 599 Ingham Road,  
Garbutt  
Phone: 4753 4600  
townsville@gjames.com.au

**Cairns**, 28 Redden Street,  
Portsmith  
Phone: 4042 9388  
cairns@gjames.com.au

## NEW SOUTH WALES

**Sydney**, 26 Long St, Smithfield  
Phone: 9732 2477  
sydney\_contracting@gjames.com.au

**Newcastle**, 65 Pendlebury Rd,  
Cardiff  
Phone: 4940 3444  
newcastle@gjames.com.au

**Taree**, 10 Grey Gum Rd,  
Phone: 6539 3811  
taree@gjames.com.au

**Lismore**, 25 Habib Dr,  
South Lismore  
Phone: 6627 4000  
lismore@gjames.com.au

**Queanbeyan**, 46 Aurora Av  
Phone: 6132 8455  
canberra\_admin@gjames.com.au

## NORTHERN TERRITORY

**Darwin**, 97 Winnellie Rd,  
Winnellie  
Phone: 8944 3111  
darwin@gjames.com.au

## SOUTH AUSTRALIA

**Adelaide**, 263 Edinburgh Rd,  
Edinburgh  
Phone: 8182 7888  
adelaide@gjames.com.au

## WESTERN AUSTRALIA

**Perth**, 11 Egmont Rd,  
Henderson  
Phone: 9494 6333  
perth\_sales@gjames.com.au

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