

# Sliding Window

ARCHITECTURAL ALUMINIUM SERIES - 90mm FRAME

## PRODUCT SPECIFICATION SHEET



Rylock Sliding Windows promote considerable natural air flow, with a large opening sash to deliver effective ventilation.

Rylock Architectural Aluminium Series Sliding Windows deliver large openings for effective ventilation, with a slim profile that won't protrude into surrounding spaces. The sash range of motion is controlled by an acrylic handle for minimal visual attention and a hinged dust cover prevents debris from falling into the product track.

The Sliding Window features a key lock in a stainless steel housing which can be engaged in a fully closed or vent-locked position, to safely allow trickle ventilation into the home. Multiple sash seals ensure resistance against air and water infiltration for exceptional results in AS 2047 Windows and External Glazed Doors compliance testing and Sliding

Windows are glazed in accordance with AS 1288 Glass in Buildings. Whilst a large range of options are available, all products are glazed with Grade A Safety Toughened Low-e Double Glazing (Argon Fill) as a standard specification.

Extruded flyscreens are fitted as a standard inclusion, and products are powder coated in-house from 30 standard colours and textures, and tested by the CSIRO for durability. Rylock manufacture products designed to meet your particular site conditions and any existing requirements, to achieve the best results. Speak with a Rylock Sales Consultant about your home or next project to achieve a custom, high performance solution.

### TECHNICAL SPECIFICATIONS

Max Product Height	5500mm
Max Product Width	5500mm
Max Sash Height	1800mm <sup>(1)</sup>
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<hr/>	
Glazing Capacity	18mm - 22.38mm
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Wind Rating	N1 - N3
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Air Infiltration	0.6 L/s.m <sup>2</sup>
Water Resistance	450 Pa

<sup>(1)</sup> Sash height and width are relative measures, and must comply with maximum area and mass limitations (on page 6).

### ENERGY PERFORMANCE

U <sub>w</sub> Value	2.5 <sup>(2)</sup>
SHGC <sub>w</sub> Range	0.22 - 0.49 <sup>(2)</sup>

<sup>(2)</sup> Energy results are product and size specific. As product sizes reduce, energy values increase. Custom energy results will be supplied with your Quotation - Sales Order.

V23.1

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Rylock Architectural Aluminium Series Sliding Windows are endlessly customisable, offering stunning architectural designs and many outstanding features:



## PRODUCT FEATURES



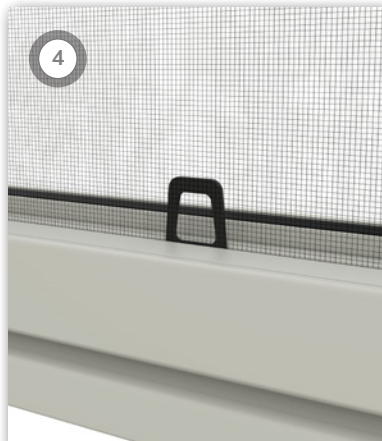
**Stainless Steel** housing contains **Key Lock** which can be engaged in a vent and fully closed position.



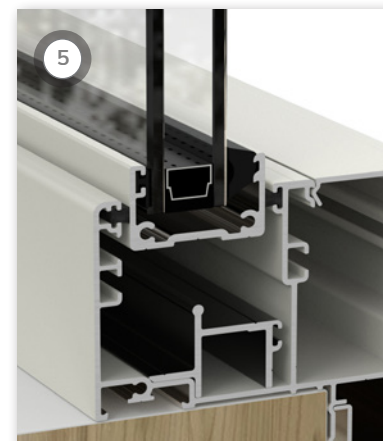
The **Acrylic Handle** controls the sash range of motion, where the opening can be adjusted with ease.



**Dust Cover** prevents debris falling into the window track, whilst also providing added security.



Standard inclusion **Extruded Flyscreens** with mesh options are fitted to the exterior of the product.



IGU standard specification is Grade A Safety Toughened Low-e Double Glazing (Argon Fill).



Optional **Sill Flap** expels water from the building for Brick Veneer and Double Brick applications.

 **NOISE SOLUTION**

 **SECURITY SOLUTION**

 **BUSHFIRE SOLUTION**

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A product's reveal type and depth can be customised to suit various building materials, to achieve a particular architectural style and deliver ultimate customisation.



Example of Plaster Reveal Offset application

## REVEAL TYPE & DEPTH

*Powder coat frame and hardware colours displayed for visual contrast purposes only.*



### Primed Timber Reveal

A pre-primed in-line timber reveal for ease of installation is ready for painting. Architrave supplied by others.



### Hardwood Reveal

Select grade hardwood in-line timber reveal for ease of installation is ready to varnish. Architrave supplied by others.



### Plaster Reveal Offset

Common in modern housing construction (pictured left) products are fitted with a 1.6mm spacer to aid installation of the EzyReveal™ system.



### Reveal Equaliser

A versatile solution which provides a powder coated finish to the full height of the internal surface of the frame with concealed fixing pocket.

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# TECHNICAL RESOURCES



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## ARCHITECTURAL ALUMINIUM SERIES - 90mm FRAME

## SIZING & CONFIGURATIONS

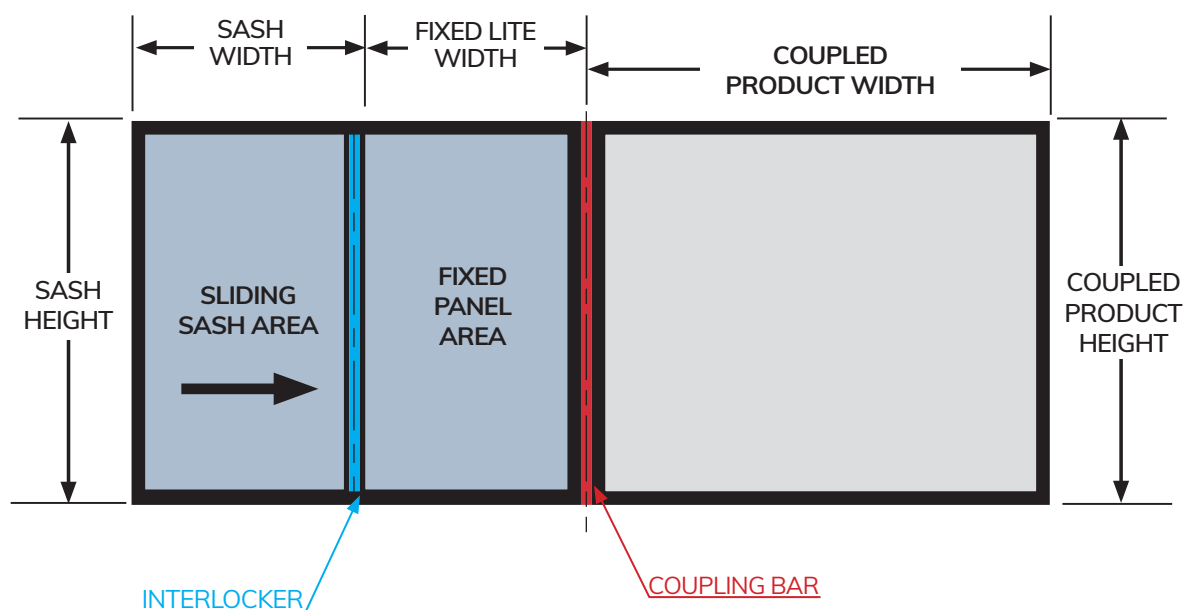
Given the custom nature of Rylock Architectural Aluminium Series Sliding Windows, product configurations are virtually limitless, provided compliance with Australian Standards is met. Page 6 of this technical resource details Rylock's sizing matrix for Sliding Windows which comply with NCC requirements. These resources are best used in consultation with your Rylock Sales Consultant.

This diagram (below) is an example which highlights the relationship between the size of a Sliding Window and other coupled products. Sliding Windows can be coupled to some other products as Side Lite solutions, provided each individual panel meets the product's compliance requirements.

Sliding Window parameters, (shown in blue), detail the size limitations that correspond to maximum product area.

Refer to page 6 for the Sliding Window Sizing Matrix.

**Note:** Overall frame width and height cannot exceed 5500mm.



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## SLIDING WINDOW SASH SIZING MATRIX

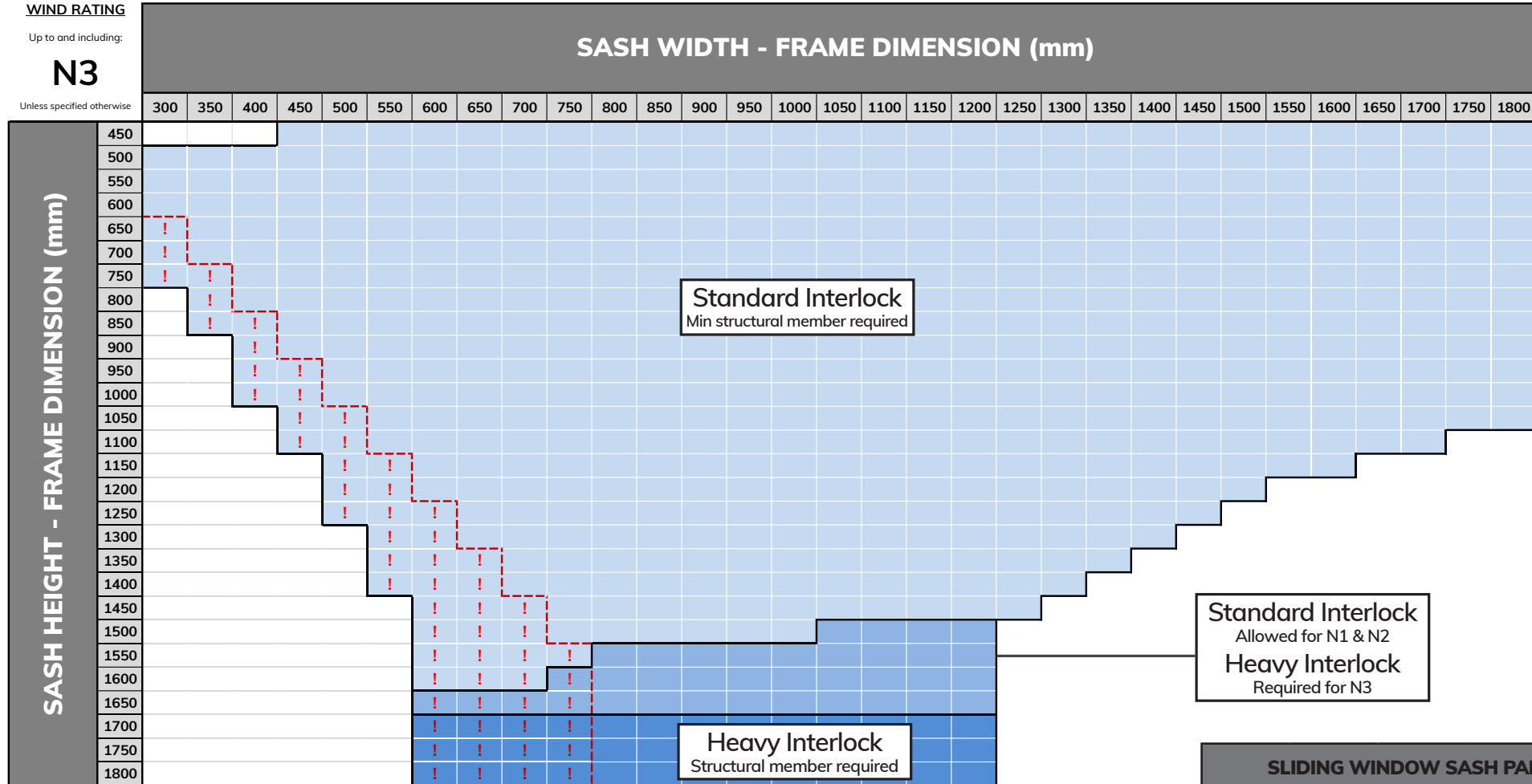
These technical resources are best used in consultation with your Rylock Sales Consultant.

### WIND RATING

Up to and including:

# N3

Unless specified otherwise



### Notes:

- Shaded regions display the type of interlocker required for structural integrity, and meet compliance requirements with human impact and N3 wind rating.
- Sashes with a H:W ratio  $\geq 3:1$  will have tendency to pitch during operation - these are identified with **!** in the matrices.
- Sizes illustrated are based on 4TGH / 12ARG / 4TGH glass (total thickness is 8mm) assumes max sash mass of 44kg.
- All sizes are based on outer frame dimensions (not glass dimensions).
- No transom is possible for heights over 1650mm.
- Maximum area for fixed panel in a sliding window is 2.2m<sup>2</sup>.

### SLIDING WINDOW SASH PARAMETERS

ITEM	INTERLOCKER REQUIRED	Height		Width		Transom Available
		Min	Max	Min	Max	
1	STANDARD	450mm	1600mm	300mm	1800mm	Yes
2	STANDARD (for N1 & N2) or HEAVY (for N3)	1500mm	1650mm	600mm	1200mm	No
3	HEAVY	1700mm	1800mm	600mm	1200mm	No
!	Sash may pitch during operation					

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## INSTALLATION RESOURCES

These technical resources are best used in consultation with your Rylock Sales Consultant.



Rylock has extensive resources to support customers in the best practice application of its products. Our extensive online library has technical resources including product x-section drawings in PDF and DWG format, typical building-in installation detail with 3D interactive renders, as well as operation and adjustment videos.

The most vital aspect of correct function is correct installation and it is recommended that the manufacturer's specification is always followed as improper installation can lead to air infiltration, moisture and poor overall product performance. Rylock has comprehensive typical building-in detail for four common wall types to assist installers:

- Lightweight Cladding | Linea Board
- Lightweight Cladding | Hebel PowerPanel
- Brick Veneer; and
- Double Brick

[View the AA Series Sliding Window Installation Guide](#)

### SCAN QR CODE FOR INSTALLATION GUIDE

Technical Resources on this page include:

- 3D Interactive Renders
- Typical Building-In Detail CAD Drawings
- Link to the NCC (requires login)
- AGWA Fixing Guide (PDF download)

