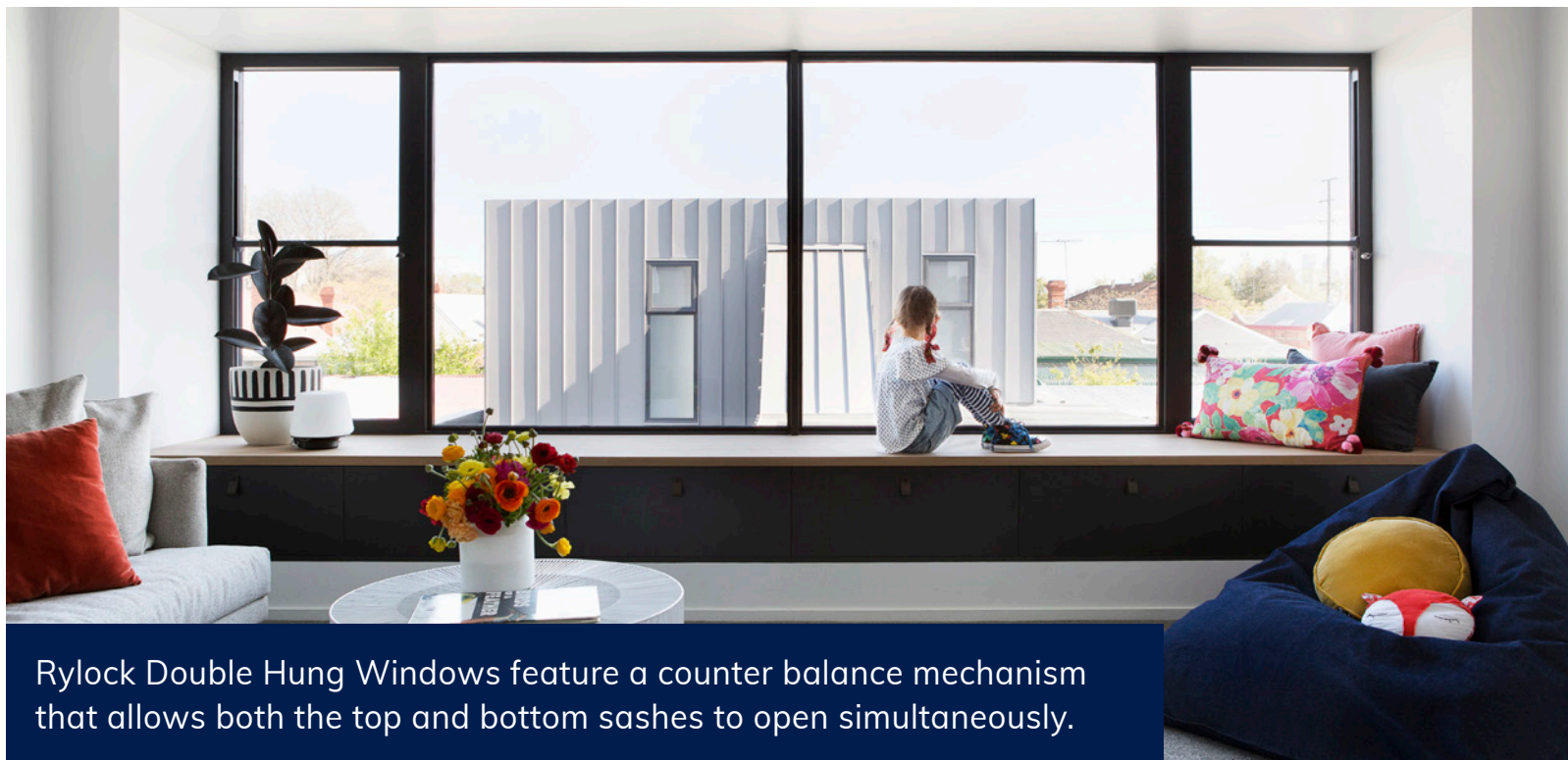


Double Hung Window

ARCHITECTURAL ALUMINIUM SERIES - 90mm FRAME

PRODUCT SPECIFICATION SHEET



Rylock Double Hung Windows feature a counter balance mechanism that allows both the top and bottom sashes to open simultaneously.

Rylock Architectural Aluminium Series Double Hung Windows feature a narrow profile where top and bottom sashes move simultaneously for warm air to be expelled through the top, whilst cool air is drawn through below. The openable sashes are controlled by acrylic handles for minimal visual attention, in a slender frame profile that invites the outside in. A key lock (in a stainless steel housing), 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 Double

Hung 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 to the exterior of the product as a standard inclusion, and products are powder coated in-house from a selection of 30 standard colours and textures. Speak with a Rylock Sales Consultant about your home or next project.

⁽¹⁾ Sash height and width are relative measures, and must comply with maximum area and mass limitations (on page 6). ⁽²⁾ 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.

TECHNICAL SPECIFICATIONS

Max Product Height	3050mm
Max Product Width	5500mm
Max Sash Height	1425mm ⁽¹⁾
Max Sash Width	1350mm ⁽¹⁾

Single Glazing Capacity	4mm - 6.76mm
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Double Glazing Capacity	20mm - 22.38mm
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Wind Rating	N1 - N3
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Air Infiltration	0.92 L/s.m ²
Water Resistance	250 Pa

ENERGY PERFORMANCE

U _w Value	2.7 ⁽²⁾
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SHGC _w Range	0.22 - 0.48 ⁽²⁾
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Double Hung Window

ARCHITECTURAL ALUMINIUM SERIES - 90mm FRAME

PRODUCT FEATURES

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



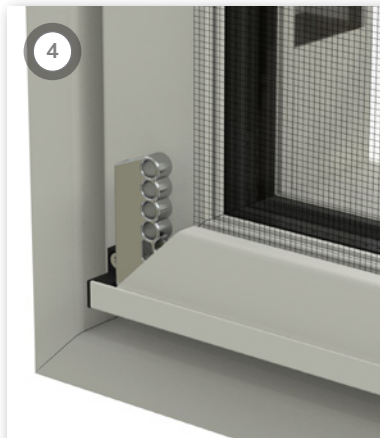
1
Stainless Steel housing contains Key Lock which can be engaged in a vent and fully closed position.



2
Acrylic Handles controls the sash range of motion, whereby both sashes move simultaneously.



3
Weep Holes expell excess water for compliance with AS2047 water penetration resistance.



4
Standard inclusion Extruded Flyscreens with various mesh options feature a hidden Corner Stake.



5
IGU standard specification is Grade A Safety Toughened Low-e Double Glazing (Argon Fill).



6
Optional Sill Flap expels water from the building for Brick Veneer and Double Brick applications.

 NOISE SOLUTION

 SECURITY SOLUTION

 BUSHFIRE SOLUTION

Double Hung Window

ARCHITECTURAL ALUMINIUM SERIES - 90mm FRAME

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.



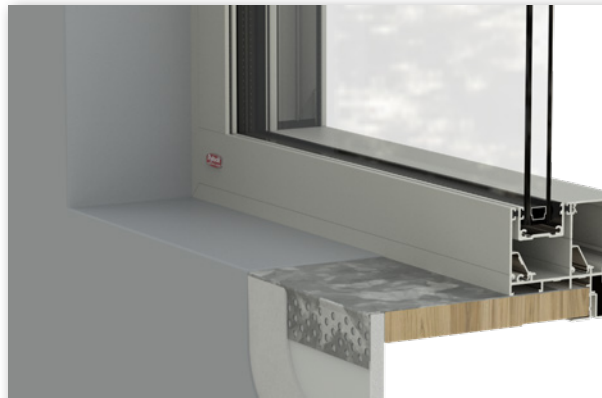
Primed Timber Reveal

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



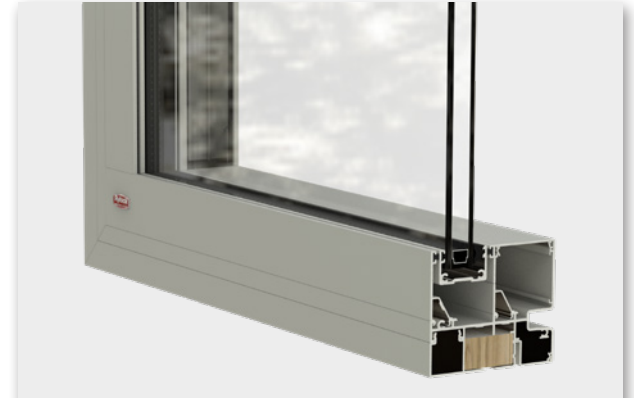
Hardwood Reveal

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.

Double Hung Window

ARCHITECTURAL ALUMINIUM SERIES - 90mm FRAME

TECHNICAL RESOURCES



V24.1

Double Hung Window

ARCHITECTURAL ALUMINIUM SERIES - 90mm FRAME

SIZING & CONFIGURATIONS

Given the custom nature of Rylock Architectural Aluminium Series Double Hung 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 Double Hung Windows which comply with NCC requirements. These resources are best used in consultation with your Rylock Sales Consultant.

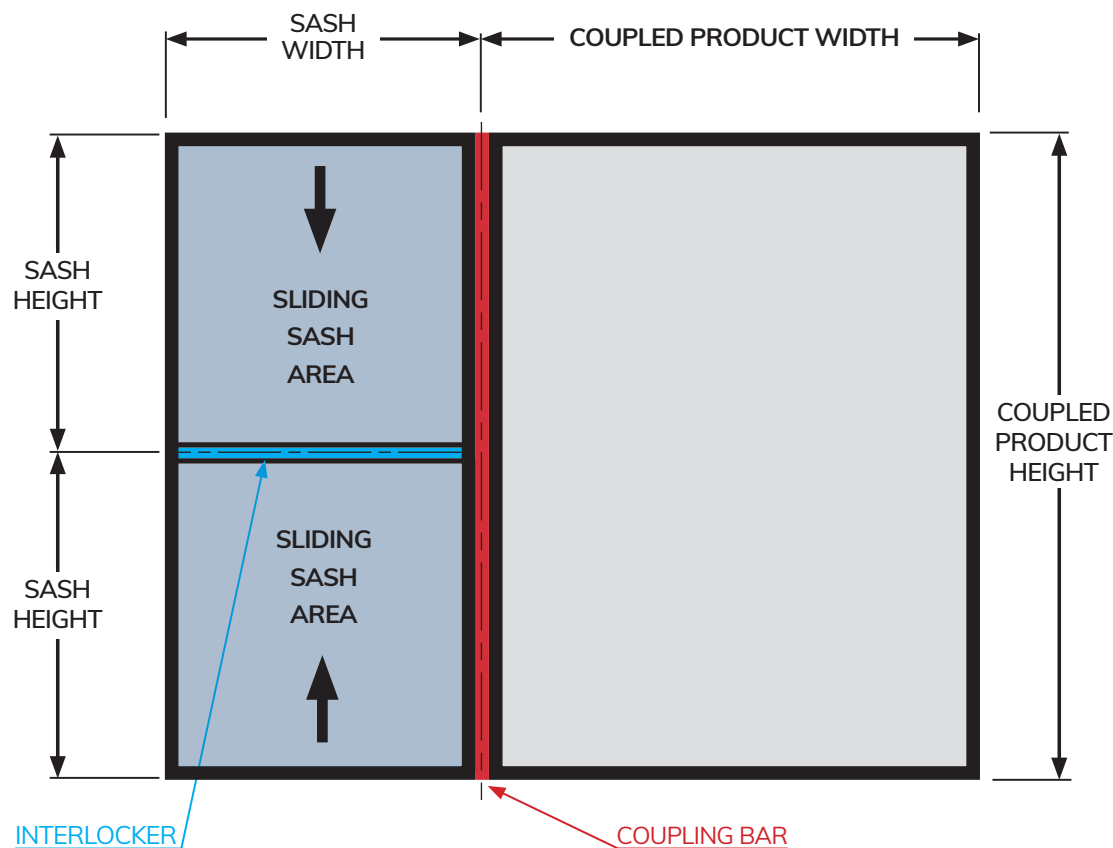
This diagram (right) is an example which highlights the relationship between the size of a Double Hung Window and other coupled products.

Double Hung Windows can be coupled to some other products as sidelite solutions, provided each individual panel meets the product's compliance requirements.

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

Refer to page 6 for the Double Hung Window Sizing Matrix.

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



Double Hung Window

ARCHITECTURAL ALUMINIUM SERIES - 90mm FRAME

DOUBLE HUNG SIZING MATRIX

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

WIND RATING
Up to and including:
N3
Non-Exposed

		WIDTH - FRAME DIMENSION (mm)																	
		500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350
HEIGHT - FRAME DIMENSION (mm)	800																		
	850																		
	900																		
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DOUBLE HUNG SASH PARAMETERS				
Height		Width		Max Sash Mass
Min	Max	Min	Max	
800mm	3050mm	500mm	1350mm	33kg

Notes:

- Max sash width-to-product height ratio is 1:1.
- The max sash mass is 33kg.
- The shaded regions display compliant sizes for human impact and N1 - N3 non-exposed wind ratings.
- All sizes are based on outer frame dimensions (not glass dimensions).

Double Hung Window

ARCHITECTURAL ALUMINIUM SERIES - 90mm FRAME

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 Double Hung 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)

