



www.AEON-WINDOWS.CO.UK



ICENI
AEON
FLUSH WINDOWS

WHAT IS AEON?

A brand conceived from the belief in ourself.

AEON is the suite of flush casement products we manufacture from Residence and Rehau profile; R9, R², R7, and Rio.

It's the same profile we have used for years, and the same system you are already installing.

Why the name?

AEON is the new high-standard brand all others will aspire to.

Superior manufacturing elevates our product above all other flush casement products.

When you need the best, AEON will be your premier choice.

The same products, transcending others by simply making them better.



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WINDOWS

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WHY AEON

THE REASONS

AEON IS PERFECT FOR YOUR PROJECT

If your project requires a contemporary look or if you need to recreate period character the solution is AEON

- 70mm, 75mm or 100mm
- A++ energy ratings
- Double or triple glazed
- up to 23 colours*

A RATING FOR ENERGY EFFICIENCY

Choosing Aeon helps your home to become more efficient and save money on your heating bills.

ENHANCED SECURITY

AEON windows are PAS24* security accredited which gives you an added level of security to your home and family.

WEATHER PERFORMANCE

Independently tested AEON RIO windows and doors achieve the highest ratings (PAS 24) for wind, water and air; protecting your home from the elements.

VIRTUALLY MAINTENANCE FREE

Timber windows require annual maintenance to ensure they are kept looking good – AEON flush windows need only a simple wipe so you can spend more time doing what you love.

ACOUSTIC PERFORMANCE

Double glazing is well known for its ability to reduce outdoor noise levels and new windows manufactured from RAYA profile can help bring down the noise levels in your home by as much as half.

*PAS 24 rated products are available upon specification.



THE DESIRE FOR CHOICE.

AEON flush products will meet – and exceed – demands of multiple applications.

Confidence in our manufactured products for their performance and quality comes as standard.

THE SOLUTION IS AEON



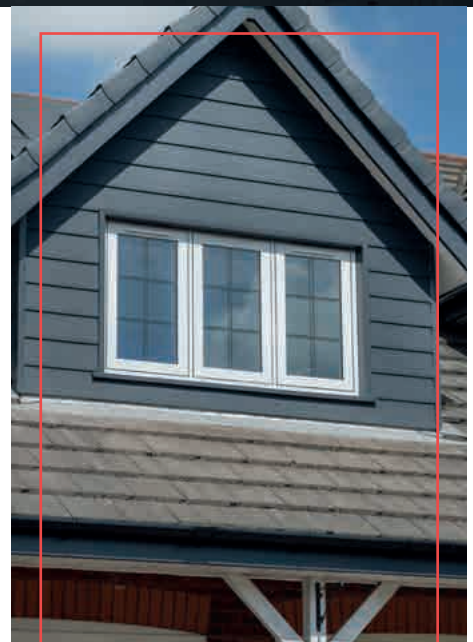
REAL TIMBER LOOK

Traditional timber aesthetics in a modern uPVC window



CONTEMPORARY STYLE

Styling and features that are usually only found on aluminium products



EQUAL SIGHTLINES

A flush sash exterior enables all glass sight-lines to be perfectly equal



FEATURES & OPTIONS

Finish a flush project perfectly with a flourish

WHAT IS THE DIFFERENCE BETWEEN THE AEON PRODUCTS?

We all know what a flush window looks like on the outside, but the difference resides on the interior. Typically, it is the frame which dictates each products' unique internal characteristics. Here's a short overview of each one:



R9



AEON R9

Style: Heritage

Frame: R9 Decorative

Size: 100mm

Bead: Decorative or square



R²



AEON R²

Style: Contemporary

Frame: R² Square/stepped

Size: 100mm

Bead: Square



R7



AEON R7

Style: Modern or heritage

Frame: R7 Square

Size: 75mm

Bead: Decorative or square



RIO



AEON RIO

Style: Modern or heritage

Frame: Rehau Total70 sculptured or chamfered

Size: 70mm

Bead: Rehau sculptured or chamfered

CHOICES, CHOICES...

AVAILABILITY KEY



PREMIUM HARDWARE R9 R2 R7 RIO

Premium hardware to finish the project perfectly comes in 9 colours



COLOUR CHOICE R9 R2 R7 RIO

Up to 13 colours available all with a close RAL code to match other features



THERMAL EFFICIENCY

6, 7, or 9 chambered profiles keeps thermal transference to an absolute minimum.



WEATHER BAR R9 R2 R7

Replicate a feature of older windows. A raised horizontal moulding to shed dripping water and to increase the strength of the mullion.



BUTT HINGES R9 R2 R7 RIO

Butt Hinges can assist in retaining the original timber window aesthetic or be used to create a brand new look. Choose from working butt hinges or dummy butt hinges.



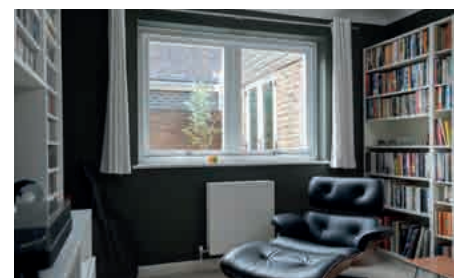
HANDLES & STAYS R9 R2 R7 RIO

Monkey tail or peardrop handles, available in nine colours, for period replacement



DECORATIVE INSIDE R9 RIO

Externally flush with a decoratively styled internal sash and frame



FLUSH BOTH SIDES R7

For an authentic flush look externally & internally



TRIPLE-GLAZING R9 R2 R7 RIO

Specifically designed to accommodate the additional weight of triple glazed units.



MULTIPLE JOINTING CHOICE

For the complete look; butt-welded, mitred or mechanical joint fabrication:



LOCK & HINGE RETENTION

Superior screw retention reinforcements mean locks and hinges are secured firmly.



Please note: Options, colours and hardware are dependent on the chosen system. Not all options can be chosen for the same window order.

FLUSH SASH
 DECORATIVE BEAD
 R9 TRANSOM

R9 HERITAGE FLUSH

100mm period uPVC flush casement

Designed to authentically replicate 19th Century timber designs, featuring an elegant flush exterior and decorative interior.

Ideally suited to replacement of windows and doors in period properties, including those in many conservation areas.

FEATURES

- 100mm frame depth
- 9 thermally-efficient chambers
- Always internally decorative
- 28mm double-glazed and 44mm triple glazing options
- WER A++
- U-Values as low as 0.8W/m2K
- Ultra-thick CEN A wall thickness provides additional screw retention
- PAS24 and Part Q building regulations approved
- Choice of 11 colours
- BS EN 6375 – 1 weather tested: Exposure Category of 1600; Class 3 Air Permeability Rating (600pa); a Class 9A (600pa) Water Tightness Rating; Class C4 (1600pa), wind resistance



COTSWOLD
 BISCUIT



THE R9 PROFILE

leading-edge technologies and weather sealing

The profile uses a honeycomb of nine energy-efficient chambers within a 100mm deep profile. When installed with energy efficient double- or triple-glazing units, it delivers an industry-leading U-value of 0.8W/m²K.

Typical options to achieve authentic period aesthetic.



R9 FRAME



R9 MULLION/
TRANSOM



FLUSH SASH



SILL: 165MM RADLINGTON



SILL: 55MM RADLINGTON



SILL: 180MM



BEAD: 28MM DECORATIVE



BEAD: 44MM DECORATIVE



BEAD: 28MM STAFF



SILL: 95MM STUB



20MM ADD ON

R9 COLOURS

Find detailed colour options for R9 on page 18-21.



R² SQUARED FLUSH

100mm contemporary uPVC flush casement

Achieve the look of aluminium with contemporary flush uPVC windows and modern hardware.

Equal sight-lines:

R² is built to market leading design standards. Clean lines and advanced functionality.

A unique stepped-square interior gives R² its bold and modern appearance. All glass sight-lines are perfectly equal, complementing the internal stylish square detail.

Lock & hinge retention:

R² has superior screw retention reinforcements, so locks and hinges are secured firmly into position.

Designed to accommodate the additional weight of triple glazed units, allowing heavy duty hinges to fit and operate perfectly.

FEATURES

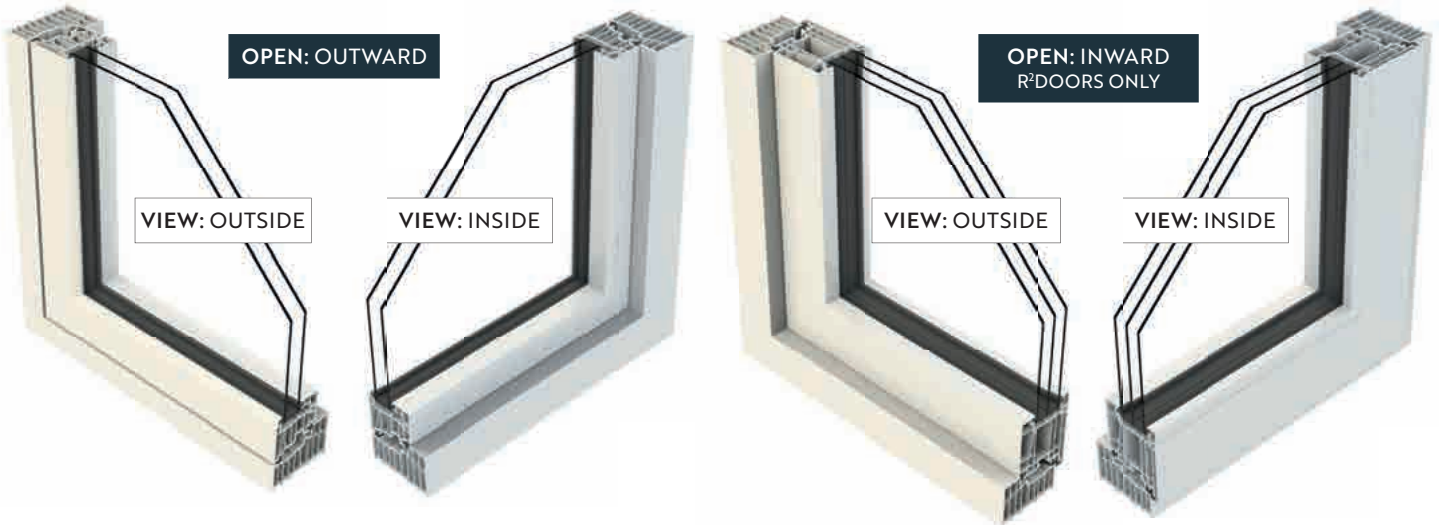
- 100mm depth Profile
- Contemporary Look
- Internally Glazed
- Dummy sashes to fixed pane
- Choice of 10 standard colours
- Available welded or full mechanical joints (note full mechanical requires all glass to be factory bonded to the frame)
- WER A++
- U-Values as low as 0.8W/m²K
- Ultra-thick CEN A wall thickness provides additional screw retention
- PAS24 and Part Q building regulations approved
- BS EN 6375 – 1 weather tested: Exposure Category of 1600; Class 3 Air Permeability Rating (600pa); a Class 9A (600pa) Water Tightness Rating; Class C4 (1600pa), wind resistance



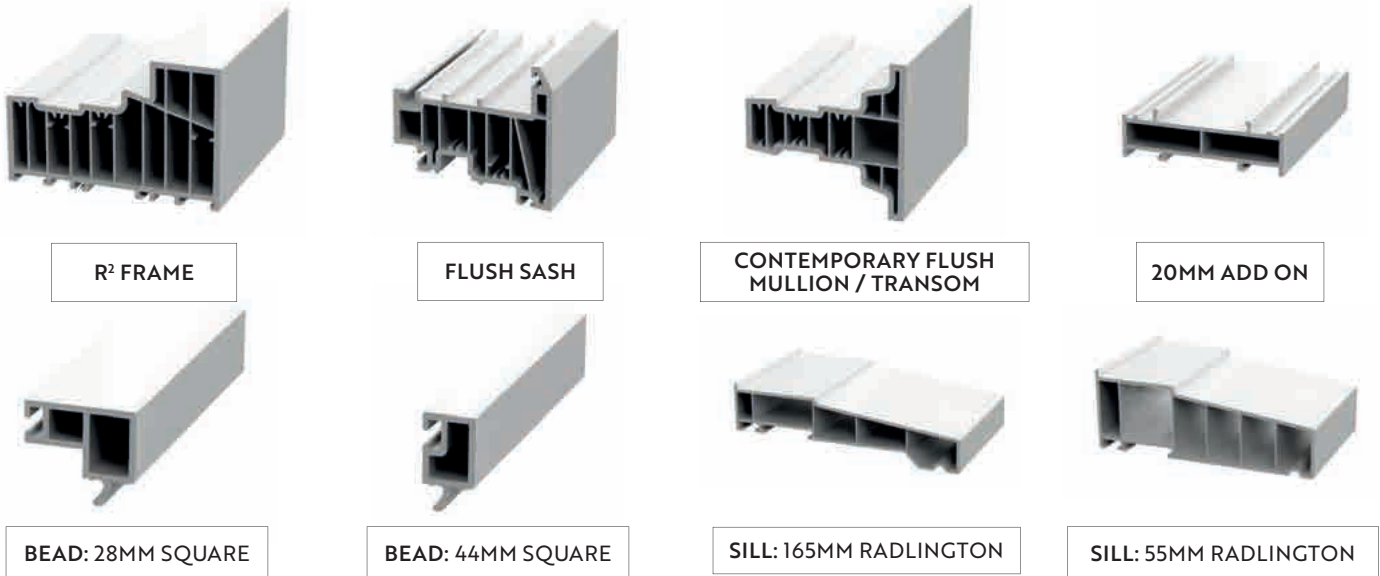
THE R² PROFILE

STYLES

R² can be made into many styles, shaped windows, fixed windows, french windows, bay and bow windows, single and french doors.



Typical options to achieve a modern, contemporary aesthetic.



R² COLOURS

Find detailed colour options for R² on page 18-21.



R7 IN-AND-OUT FLUSH

75mm contemporary uPVC flush casement

Flush on both exterior and interior gives the AEON R7 its chic modern appearance and versatility to be used for both contemporary new builds and traditional British homes alike. All glass sight-lines are perfectly equal.

Five bead choice

Choose from **five glazing beads** for a fully personalised choice, continue the contemporary appearance with the **square** or a **decorative bead** to soften the aesthetic.

Performance solution

R7 outperforms many other systems with a sophisticated seven-chamber design and intelligent features.

It's the ideal solution for a wide range of properties, from modern new builds to city apartments and country cottages to semi-detached houses, and everything in between, the AEON R7 is intended to be the window of your choice.

FEATURES

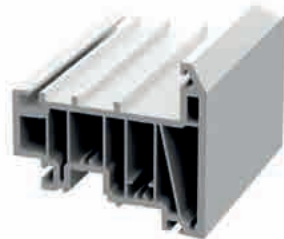
- 75mm depth Profile
- 7 thermally-efficient chambers
- Contemporary Look
- Dummy sashes to fixed pane
- Available welded or full mechanical joints (**Note:** full mechanical requires all glass to be factory bonded to the frame)
- 28mm double-glazed and 44mm triple glazing options
- WER A++
- U-Values as low as 0.8W/m²K
- Ultra-thick CEN A wall thickness provides additional screw retention
- PAS24 and Part Q building regulations approved
- Choice of 13 standard colours
- BS EN 6375 - 1 weather tested: Exposure Category of 1600; Class 3 Air Permeability Rating (600pa); a Class 9A (600pa) Water Tightness Rating; Class C4 (1600pa), wind resistance

THE R7 PROFILE

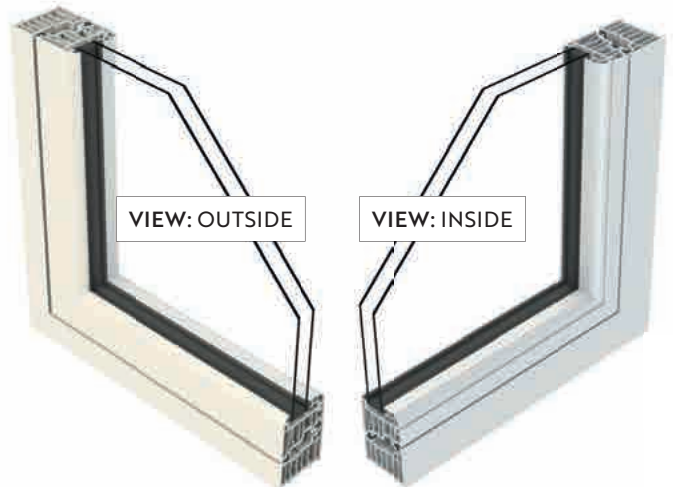
Typical options for a sleek, modern look.



R7 FRAME



FLUSH SASH



BEAD: 28MM DECORATIVE



BEAD: 44MM SQUARE



SILL: 180MM



SILL: 160MM



PAINSWICK



SILL: 55MM RADLINGTON



CONTEMPORARY FLUSH MULLION / TRANSOM

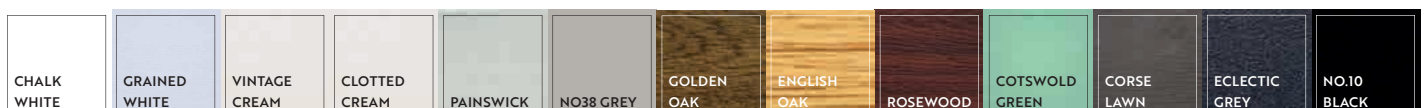


NO38 GREY

28MM STAFF BEAD

R7 COLOURS

Find detailed colour options for R7 on page 18-21.



RIO CLASSIC FLUSH

Rehau Rio 70mm flush uPVC casement

Rio flush fit windows benefit from enhanced noise reduction, energy efficiency and are easy to maintain.

Not only does the Rio flush fit window authentically replicate the features of a traditional timber window, it also compliments modern homes perfectly with clean lines and minimalist appearance.

FEATURES

- 70mm depth profile
- Edge outer frame
- Bevel outer frame
- Dummy sashes to fixed pane
- Available **welded** or **full mechanical** joints (note full mechanical does not require glass bonding due to the strength of the internal corner blocks)
- Choice of 11 standard colours
- WER A++
- U-Values as low as **0.8W/m2K**
- PAS24 and Part Q building regulations approved





THE RIO PROFILE

OUTSIDE VIEW



ANTHRACITE GREY



CHARTWELL GREEN



TURNER OAK

CHOICE OF WELD

Full mechanical joint



OUTSIDE

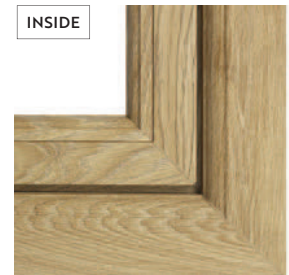


INSIDE

Fully welded joint



OUTSIDE



INSIDE

RIO COLOURS

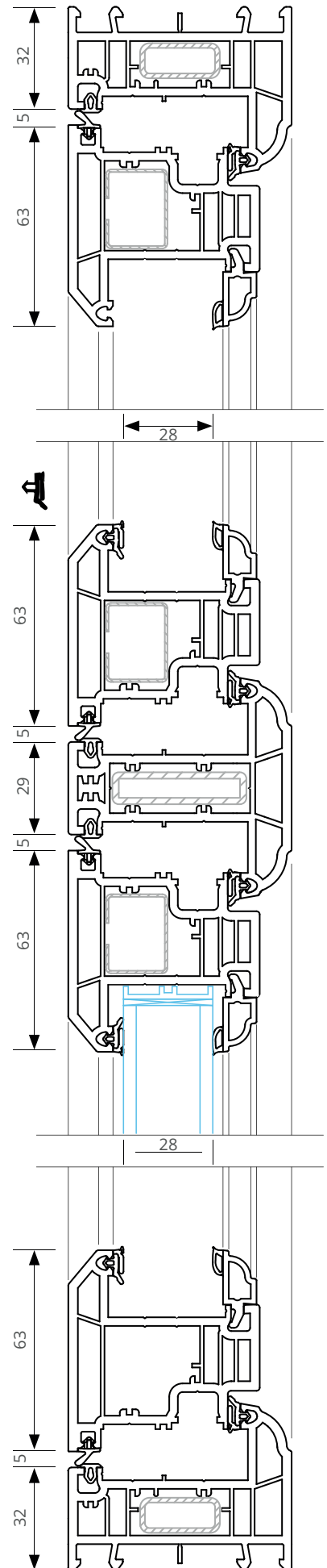
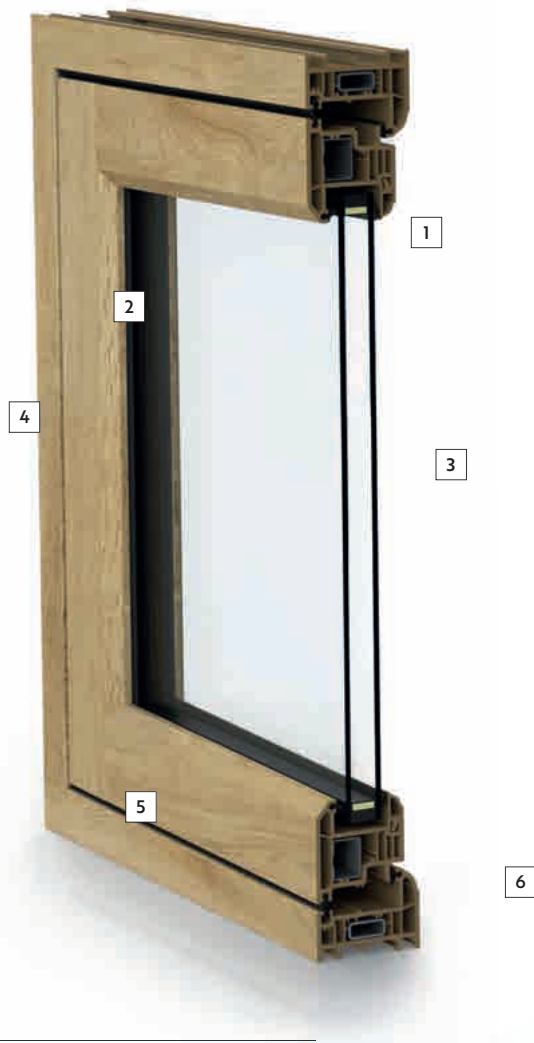
Find detailed colour options for Rio flush on page 21.



TECHNICAL AREA:

RIO FLUSH WINDOW

CROSS SECTION & TECHNICAL DRAWING



AEON RIO FLUSH WINDOW

- 1 Same Eurogroove position as Total70
- 2 28mm glazing as standard with option for 34mm triple glazing
- 3 Ideal replacement for British timber casement windows due to its 70mm depth
- 4 Two jointing options: Mechanical joint or fully welded
- 5 Exceeds weather performance standards as well as PAS24 accreditation.

SPECIFICATION	
Feature	Specification
Profile depth	137 mm
Maximum window size	1200 x 1200mm (top hung) 900 x 1300mm (side hung)
Thermal performance	1.3 W/m2K
Max. sash weight	35kg (fully welded) 30kg (Mechanically jointed)
Glass width	28mm (double glazed) 34mm (triple glazed)
Jointing	Mechanical or fully welded



RIO FLUSH DOORS

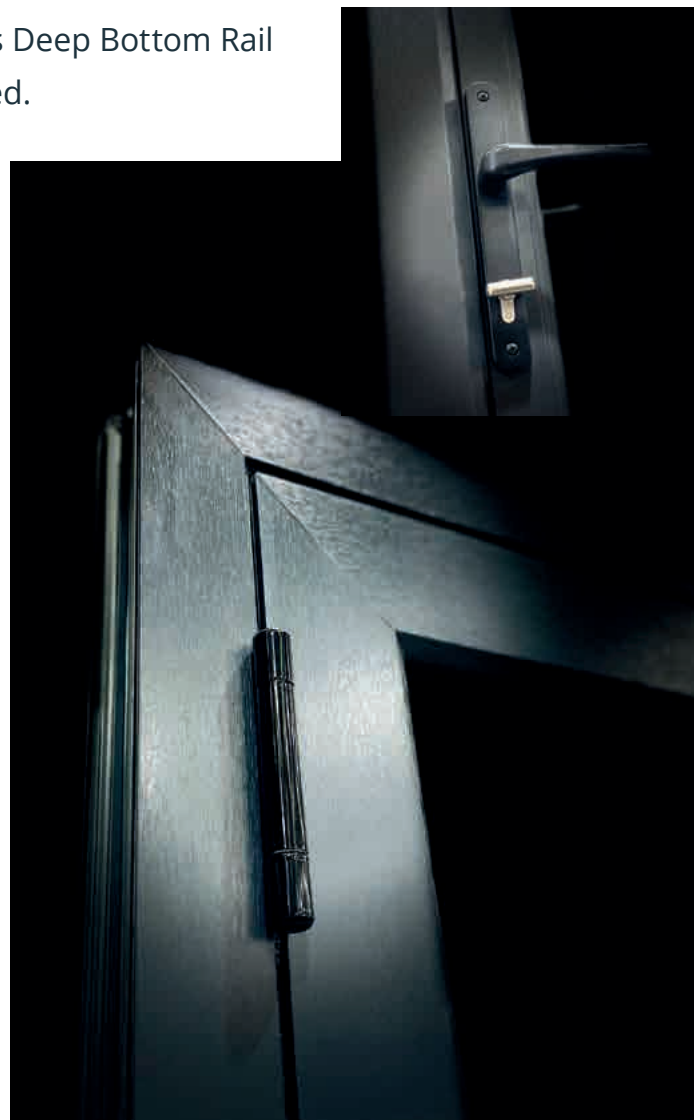
Single and French doors complete 19th century authenticity

RIO DOORS

The new Rio flush fit French door uses Rehau's Deep Bottom Rail and consequently, no new door sash is required.

FEATURES

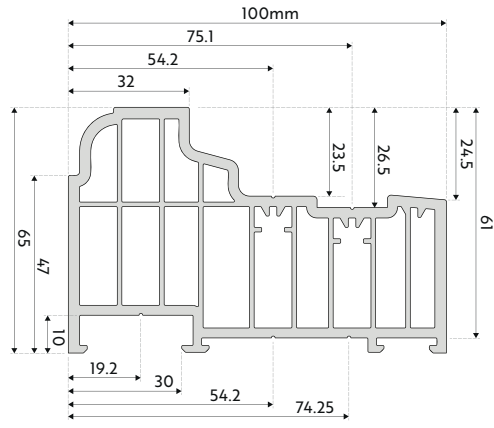
- Extension to the existing Rio flush fit range with introduction of the Rio door
- Single open-out residential door complements the established Rio window system
- Option to specify either chamfered or edge outerframes.
- Dedicated butt hinges designed for the flush door system
- Fully welded outward opening door solution completes the Rio range
- Total 70 Profiles used along with Rio Deep Bottom Rail profile
- Dedicated Rio adjustable dynamic door hinge
- Bespoke Rio French Door spacer to achieve a customised finish
- Fully weather-tested and PAS24 security standard approved
- The Rio French door has been certified to the PAS 24 security standard, tested at its maximum size – 1900mm x 2250mm
- Only available as welded sash.



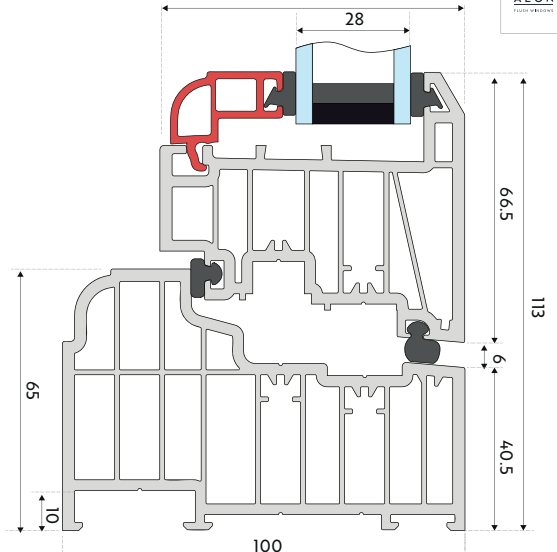
TECHNICAL AREA: TECHNICAL DRAWINGS



R9 FRAME

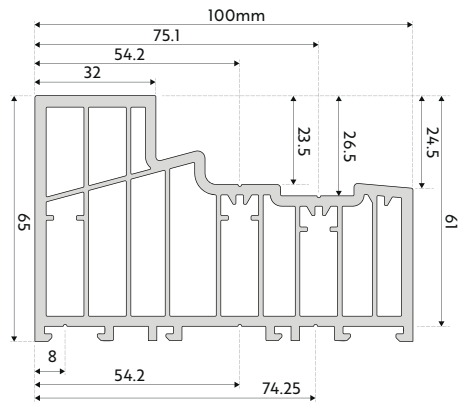


R9 FRAME

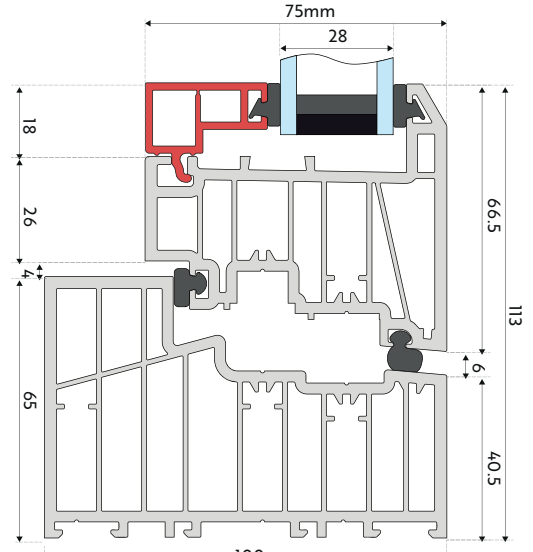


R9 FRAME
FLUSH SASH & **DECORATIVE BEAD**

R2 FRAME

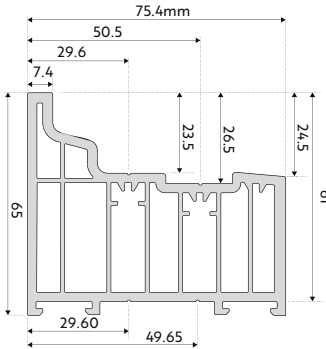


R2 FRAME

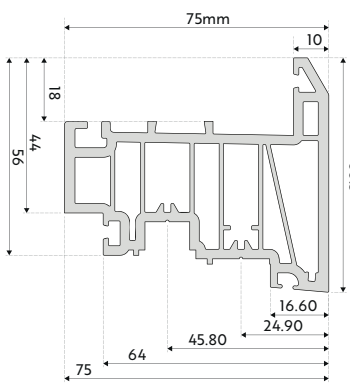


R2 FRAME
FLUSH SASH & **SQUARE BEAD**

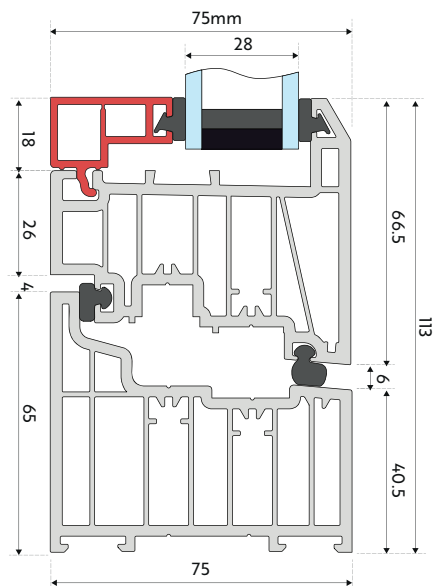
R7 FRAME



R7 FRAME



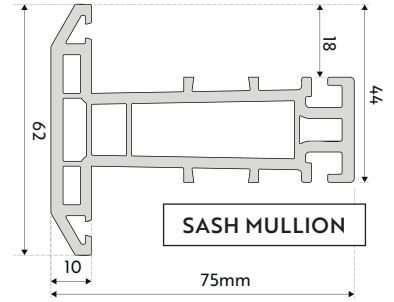
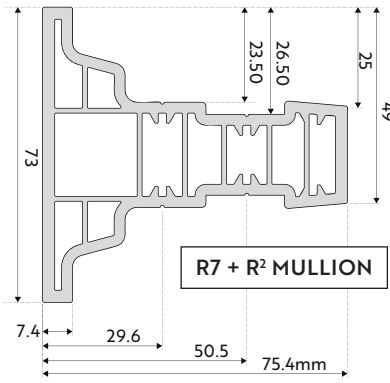
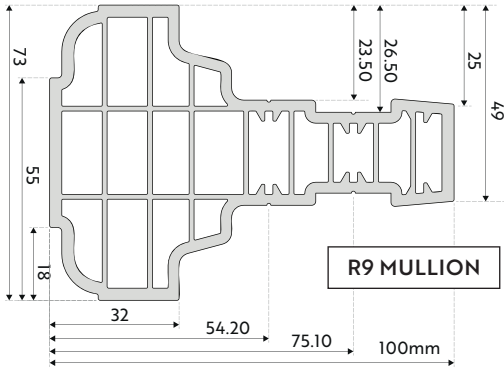
R7 SASH



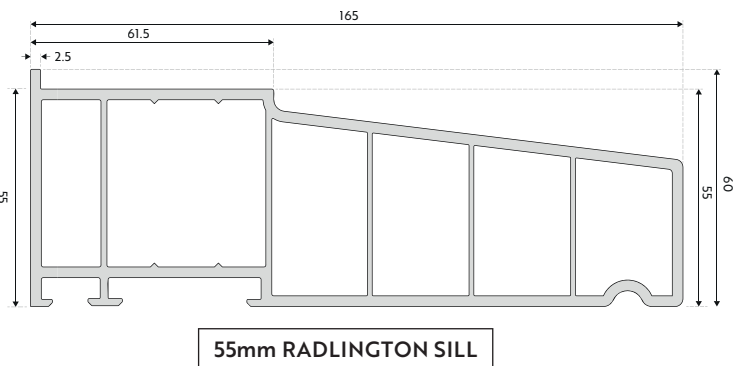
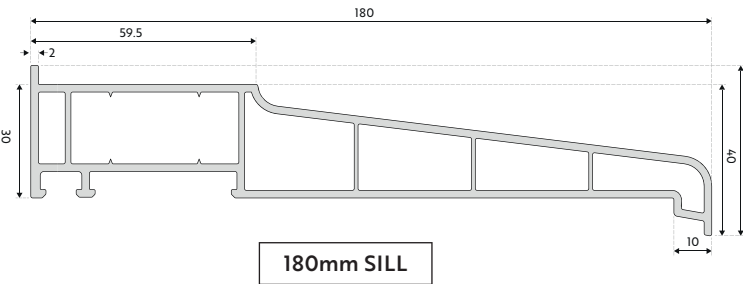
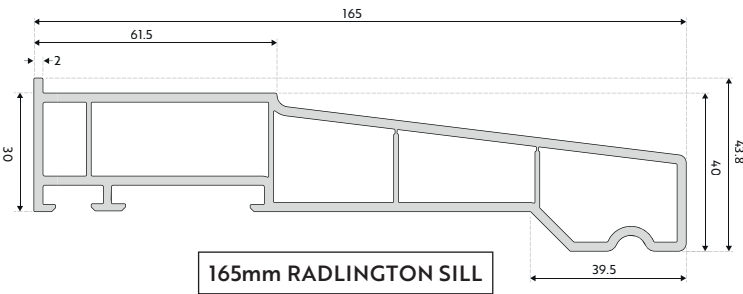
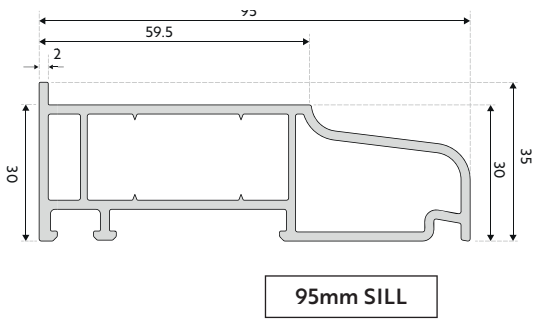
R7 FRAME
FLUSH SASH & **SQUARE BEAD**

PLEASE NOTE, DRAWINGS ARE NOT TO SCALE

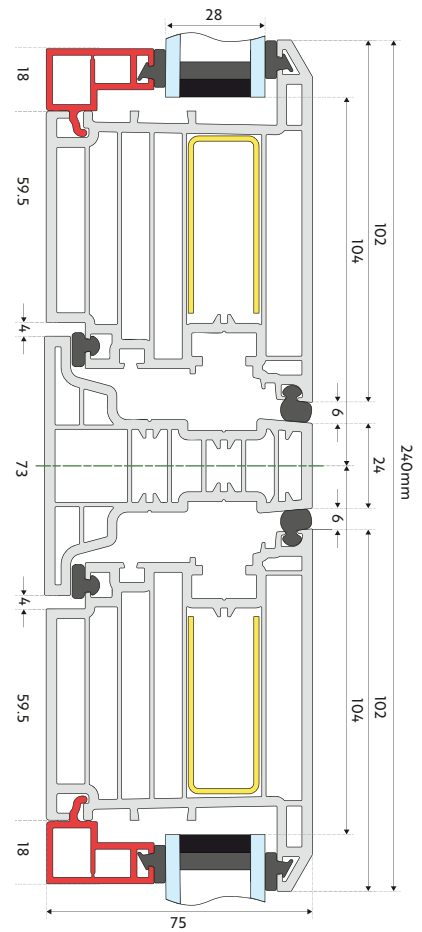
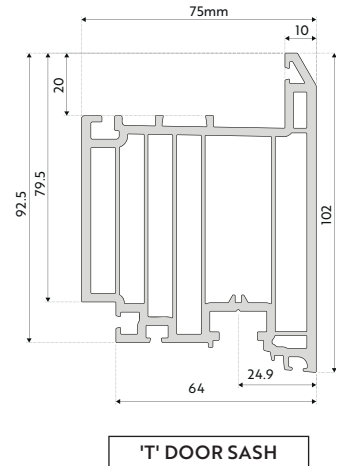
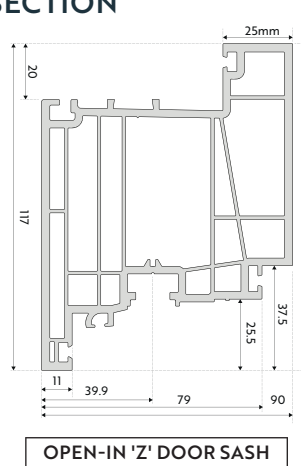
TECHNICAL AREA: DRAWINGS



SILLS



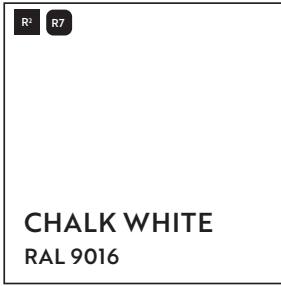
DOOR SECTION



For more detailed Aeon profile charts please visit www.aeon-flushwindows.co.uk/profilecharts



COLOUR



CHALK WHITE
RAL 9016

(UNFOILED/MATT FINISH)

R2 Solid colour only

R7 Solid colour

Dual colour:
(With Chalk White internal)
Clotted Cream, Cotswold Green,
Painswick, English Oak, Irish
Oak, Golden Oak, Rosewood,
Eclectic Grey, No.10 Black, Corse
Lawn



GRAINED WHITE
RAL 9003

R9 Internal & external

Dual colour:
All colours available externally
to Grained White

R2 Internal & external only

R7 Internal & external only



CLOTTED CREAM
RAL 9001

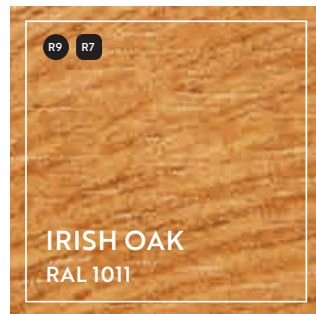
R9 Internal & external

Dual colour:
Grained White internal
Painswick external with
Clotted Cream internal

R2 Internal & external only

R7 Internal & external

Dual colour:
Chalk White internal



IRISH OAK
RAL 1011

R9 Internal & external

Dual colour: Grained White
internal

R2 Internal & external only

R7 Internal & external

Dual colour: Chalk White
internal



ENGLISH OAK
RAL 1012

R9 Internal & external

Dual colour:
Grained White internal,
No.10 Black external with
English Oak internal
Eclectic Grey external with
English Oak internal

R2 Internal & external only

R7 Internal & external

Dual colour: Chalk White internal



PAINSWICK
RAL 7038

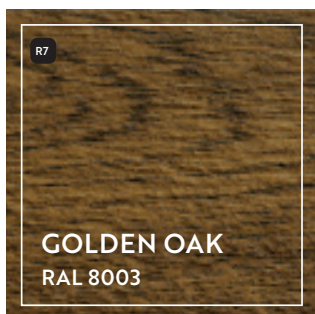
R9 Internal & external

Dual colour:
Grained White internal
Clotted Cream internal

R2 Internal & external only

R7 Dual colour:

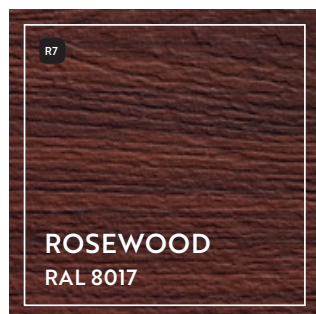
Chalk White internal



GOLDEN OAK
RAL 8003

R7 Internal & external

Dual colour: Grained White
internal



ROSEWOOD
RAL 8017

R7 Internal & external

Dual colour: Chalk White
internal



SILVERED OAK
RAL 7006

R9 Internal & external

Dual colour:
Grained White internal

R2 Internal & external only



CORSE LAWN
RAL 7039

R9 Dual colour only:

Grained White internal

R7 Dual colour only:

Chalk White internal

Please note: RAL reference numbers represent the nearest colours and are not exact matches, you should contact your paint supplier to view accurate colour samples.

R9



R9 R7

NO.10 BLACK
RAL 8022

- R9** Dual colour only:
Grained White internal
Cotswold Biscuit internal
English Oak internal
- R7** Dual colour only:
Chalk White internal

R9



NO.10 BLACK
EXTERNAL

COTSWOLD BISCUIT
INTERNAL

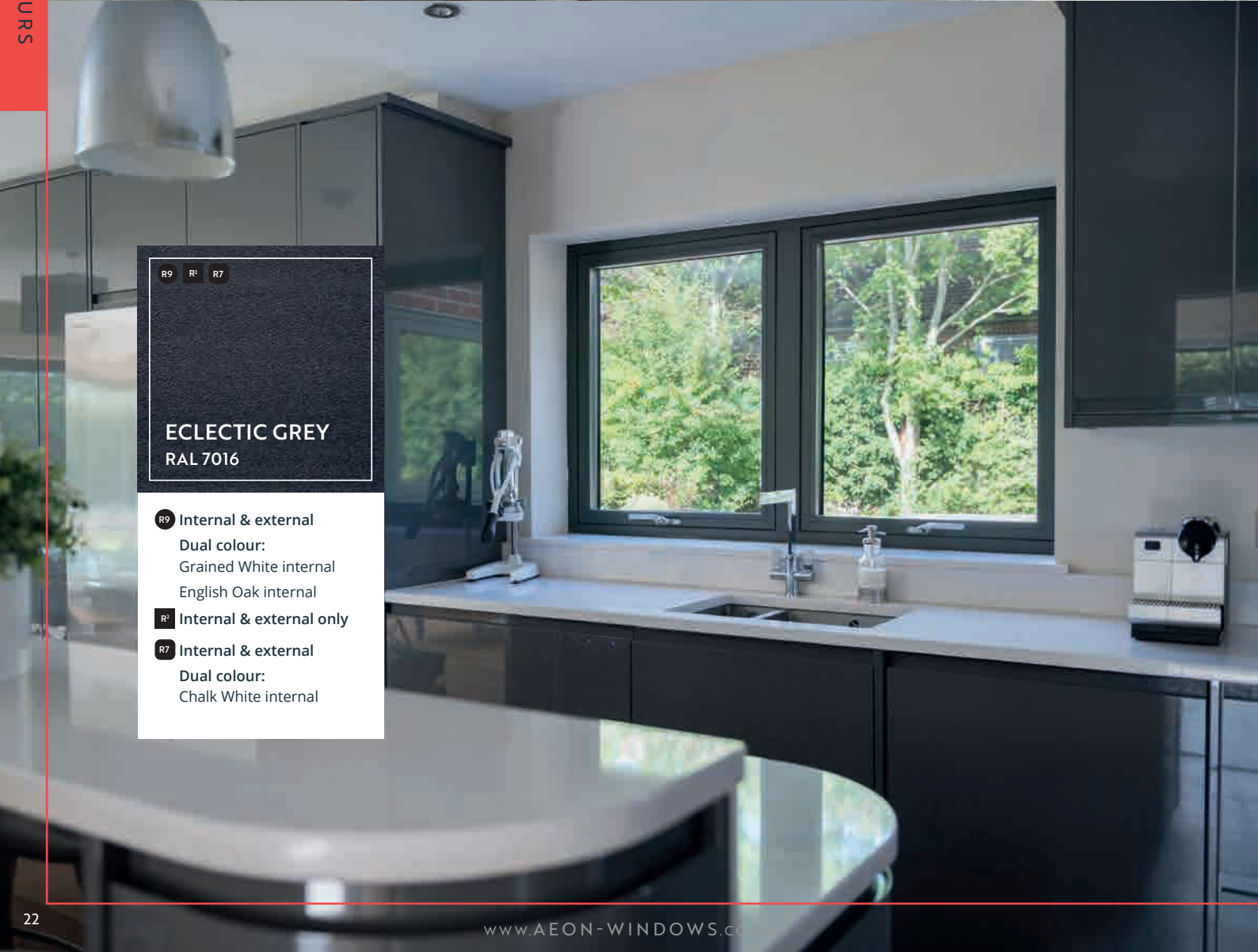
COLOUR



R10

R10 Internal & external
Dual colour:
White internal
Turner Oak internal

TURNER OAK



R9 R2 R7

ECLECTIC GREY
RAL 7016

- R9** Internal & external
Dual colour:
Grained White internal
English Oak internal
- R2** Internal & external only
- R7** Internal & external
Dual colour:
Chalk White internal

COLOUR



(UNFOILED/MATT FINISH)

R7 Internal & external only

R2 Internal & external only



(UNFOILED/MATT FINISH)

R2 Internal & external only

R7 Internal & external only



R9 Internal & external

Dual colour:
No.10 Black external with
Cotswold Biscuit internal
Grained White internal



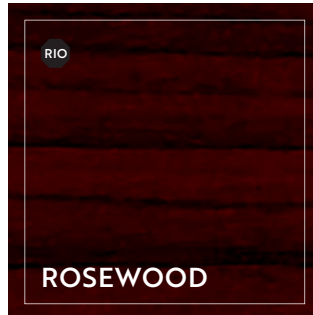
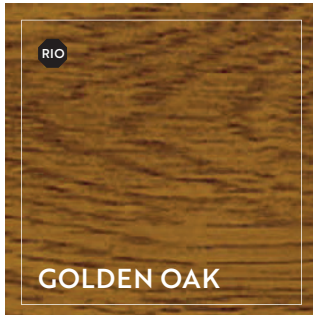
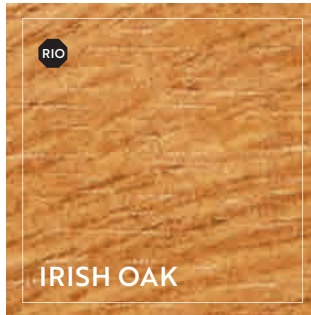
R9 Internal & external

Dual colour:
Grained White internal

R7 Dual colour only:
Chalk White internal

RIO COLOURS

The Rio window can have the same internal colour to match, or keep the inside white.



Please note: Due to variables in the printing process and disparity in screen colour displays, these colours are intended to be used as a guide only.

TECHNICAL AREA:

PREMIUM HARDWARE



AVAILABLE COLOURS

Antique Bronze
Black
Bronze Red Tint
Electro Gold
Graphite (below)

Pewter
Patina
Polished Chrome
Satin Chrome
White (not shown)

COLOUR:
GRAPHITE



MONKEY TAIL
STAY

PEAR DROP
STAY

STAY PEGS

PEAR DROP
HANDLE

MONKEY TAIL
HANDLE

COLOUR:
ANTIQUÉ BRONZE



COLOUR:
BLACK



COLOUR:
BRONZE RED TINT



COLOUR:
ELECTRO GOLD



COLOUR:
GRAPHITE



COLOUR:
PEWTER PATINA



COLOUR:
POLISHED CHROME



COLOUR:
SATIN CHROME





ITEM:
PEAR DROP HANDLE



ITEM:
MONKEY TAIL HANDLE



ITEM:
PEAR DROP STAY & PEG



ITEM:
BUTT HINGE



ITEM:
RESTRICTOR HINGE



ITEM:
MONKEY TAIL STAY & PEG



ITEM:
DUMMY HINGE






TECHNICAL AREA:




HARDWARE






COLOUR KEY:

					
Anthracite Grey AG	Antique Black AB	Black Bla	Bronze Brz	Chrome Chr	Forged Black FB




		
Balmoral Lever/Lever Handle	Balmoral Lever/Pad Handle	Balmoral Swan Lever Handle
AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB
Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi




		
Balmoral DDA Lever Handle	Regal Lever Handle	Heritage Lever Handle
AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB
Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi

		
Architectural Lever Handle	Monkey Tail Lever Handle	Noble Lever Handle
AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB
Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi

					
Gold Gld	Graphite Gra	Pewter Pew	Satin Sat	Stainless Steel SS	White Whi

		
Finger Pulls	Cylinder Escutcheons	Round Door Knob
AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB
Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat Sat Whi

		
Window Handle	Monkey Tail Handle	Pear Drop Handle
AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB
Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi

		
Architectural Handle	Tilt & Turn handle	Balmoral Blanking plate
AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB	AG AB Bla Brz Chr FB
Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi	Gld Gra Pew Sat SS Whi

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