



Product Catalogue





CONTENTS

<u>Modern Aluminium Windows</u>	<u>4</u>	<u>Blinds For Bifolding Doors</u>	<u>30</u>
Alitherm 47		2 Rail Manual - Venetian Style In Glass	
DuraTherm 300		Electronic - Venetian Style In Glass	
DuraTherm Tilt & Turn			
Premium / Premium Plus		<u>Sliding Aluminum Doors</u>	<u>31</u>
Premium Tilt & Turn		Penthouse Plus Slide	
Duraslide 2000		Penthouse Plus Lift & Slide	
		Duraslide 2000	
<u>Modern Aluminium Doors</u>	<u>11</u>	Internal Room Divider	
Alitherm 47			
Premium Plus		<u>Secondary Glazing</u>	<u>36</u>
<u>Heritage Aluminium Windows</u>	<u>14</u>	Horizontal Sliders	
Heritage Stepped		Vertical Sliders	
Heritage Puttyline		Lift Outs	
Royale Stepped		Hinged	
Royale Puttyline		Fixed	
<u>Heritage Aluminium Doors</u>	<u>19</u>	<u>Aluminium Roofs & Conservatories</u>	<u>42</u>
Heritage Stepped Door		Example Designs	
Balcony Stepped Door		Hipped / Gable	
<u>Box Sash Aluminium Windows</u>	<u>22</u>	Lean-to	
Royale VS		Standard Flat	
VS Plus		Slimline Flat	
<u>Bifolding Aluminium Doors</u>	<u>25</u>	Elegance - Pitched	
Emperor Concealed		Elegance - Flat	
Durafold 1000		<u>Commercial Aluminium</u>	<u>50</u>
Durafold Slim-line Plus		Screens	
Continental		Doors	

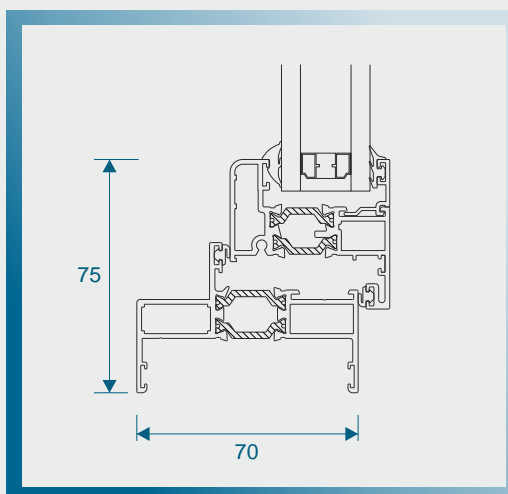
Modern Aluminium Windows



Our bespoke slimline aluminium windows are available in a wide range of outerframe and sash styles to suit all design needs. They are also thermally efficient, secure and available in any RAL colour.

Alitherm 47

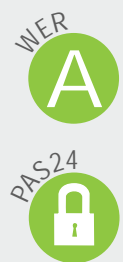
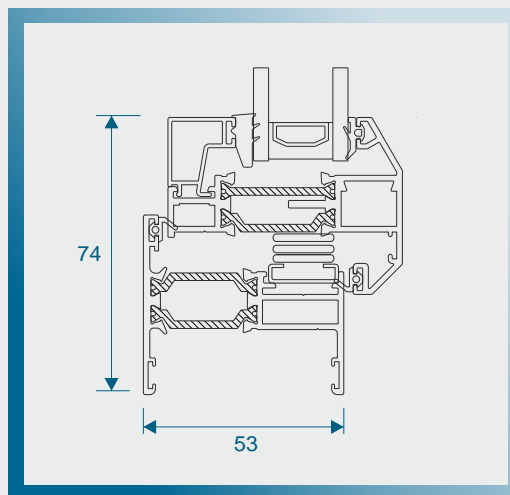
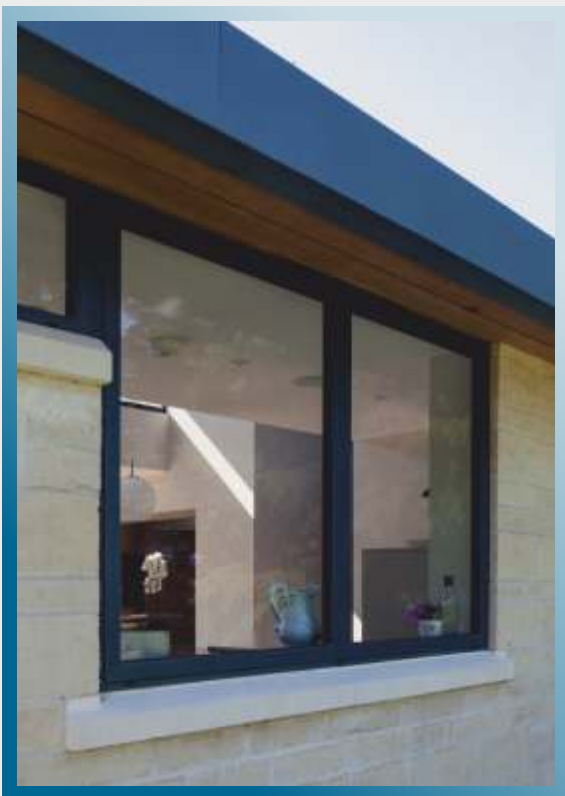
- Modern casement window.
- 47mm or 70mm front to back options (thickness).
- Range of profiles available to suit all design needs.
- Slim sight lines - 75mm opener / 47mm fixed.
- Equal leg or odd leg frame options.
- Flat, feature, ovolo or chamfered openers.
- Double or triple glazing available.
- Multi point locking or cockspur available.



	Top Hung	Side Hung
Min Width	350mm	350mm
Max Width	1250mm	850mm
Min Height	300mm	350mm
Max Height	1250mm	1250mm

DuraTherm 300

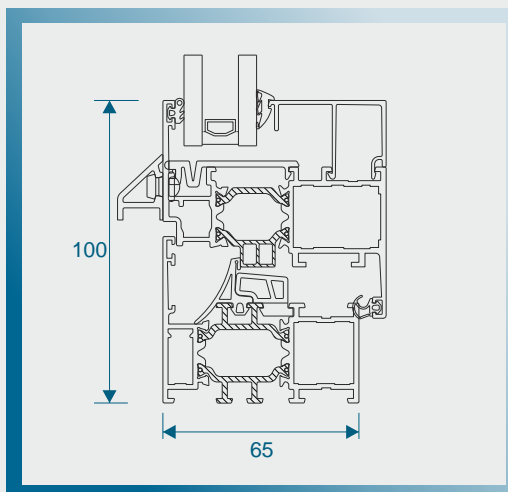
- Modern casement window.
- 53mm or 70mm front to back options (thickness).
- Larger opening window sizes.
- 'A' rated as standard.
- Option to upgrade to PAS24:2016 for security.
- Chamfered or flat opening profiles.
- Slim sight lines - 74mm opener / 47mm fixed.
- Multi point locking as standard.



	Top Hung	Side Hung
Min Width	425mm	350mm
Max Width	1300mm	850mm
Min Height	300mm	450mm
Max Height	1300mm	1350mm

DuraTherm Tilt & Turn

- Modern tilt & turn window.
- 65mm or 99mm front to back options (thickness).
- Larger opening sizes available.
- Window energy rating 'B'.
- Modern flat sash with square beads.
- Slim sight lines - 100mm to 110mm opener
55mm to 65mm fixed.
- Multi point locking as standard.



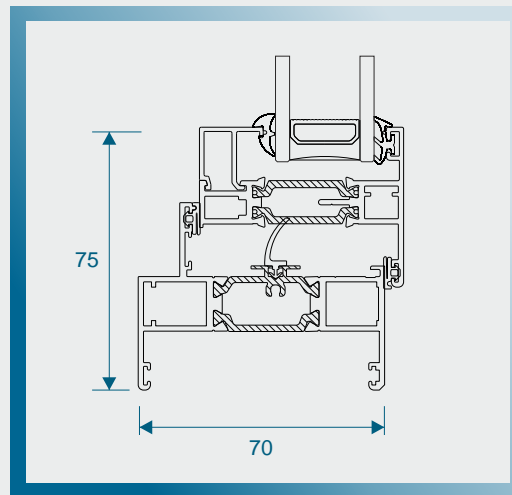
WER
B

	Slim Sash	Medium Sash
Min Width	500mm	500mm
Max Width	900mm - 1200mm	1400mm - 1700mm
Min Height	600mm	700mm - 1100mm
Max Height	1300mm - 1600mm	2100mm - 2400mm

Note: sizes are worked on a ratio chart for each sash.
Width must not exceed 1.5 x the height.
At 1700mm wide max height of 2100mm.
At 1400mm wide max height of 2400mm.

Premium / Premium Plus

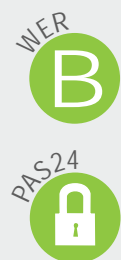
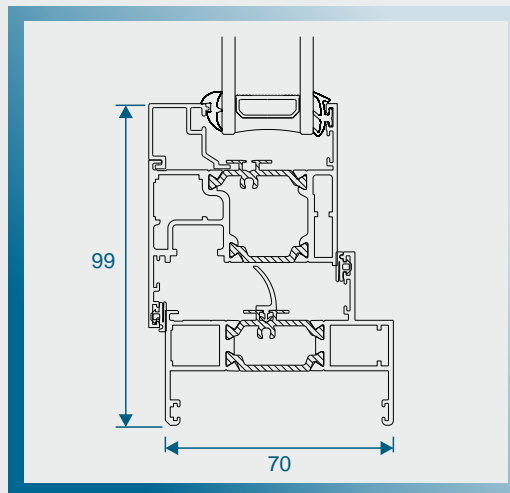
- Modern casement window.
- 58mm or 70mm front to back options (thickness).
- Range of profiles available to suit all design needs.
- Slim sight lines - 75mm or 65mm openers.
- 53mm or 43mm fixed.
- Equal leg or odd leg frame options.
- Flat, feature, stepped or chamfered openers.
- Energy efficient - 'B' or 'A' rated options.
- Can be upgraded to PAS24 for enhanced security.
- Double and triple glazing available.



	Top Hung	Side Hung
Min Width	350mm	350mm
Max Width	1250mm	850mm
Min Height	300mm	350mm
Max Height	1250mm	1250mm

Premium Tilt & Turn

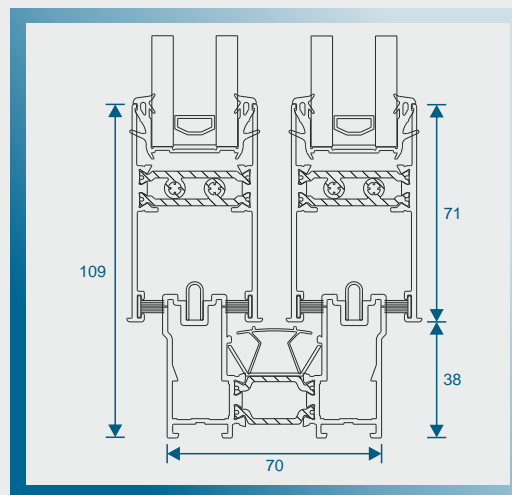
- Modern tilt & turn window.
- 58mm or 70mm front to back options (thickness).
- Flat modern design.
- Sight lines - 83mm to 93mm for opener.
- Large sizes available.
- Tilts and opens in only.
- Energy efficient - 'B'.
- Can be upgraded to PAS24 for enhanced security.
- Available as tilt only upon request.



	Standard Frame	Slim Frame
Min Width	490mm	470mm
Max Width	1494mm	1474mm
Min Height	750mm	730mm
Max Height	2394mm	2374mm

Duraslide 2000 Window

- Horizontal sliding window.
- 70mm or 122mm front to back options (thickness).
- Sight lines - 103mm jambs / 35mm interlock.
- Two, three or four panel designs available.
- All panels can slide or be fixed to suit design needs.
- Handles to internal side only for better security.
- Key locking available upon request.
- Suitable for internal and external use.



U-Value
1.6

	2 Panel	3 Panel	4 Panel
Min Width	800mm	1200mm	1600mm
Max Width	2700mm	4050mm	5400mm
Min Height	500mm	500mm	500mm
Max Height	1850mm	1850mm	1850mm

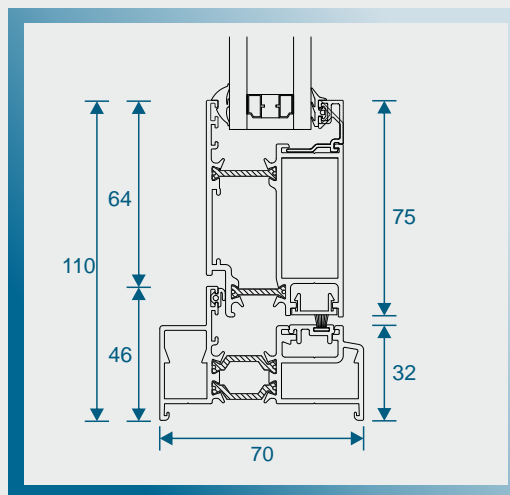
Modern Aluminium Doors



Our residential doors are strong, durable and built to last. They all come in a range of designs and styles to suit any property or design needs. These can be utilised as luxury front doors or stripped back as a simple fully glazed door opening onto your garden. All doors can be combined with our window ranges to create side panels or top lights.

Alitherm 47

- Residential front or back doors.
- 70mm or 47mm front to back options (thickness).
- Sight lines - 110mm jambs / 167mm meeting stile.
- Single or french doors.
- Can open in or open out.
- Standard or low threshold options.
- Alitherm 47 side windows to match.
- Decorative panels, glass, leads or astragal options.

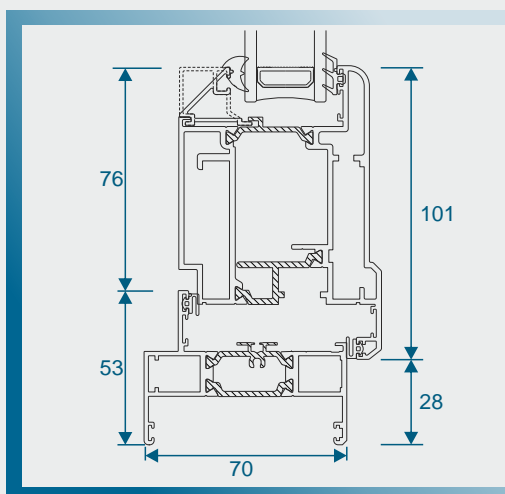
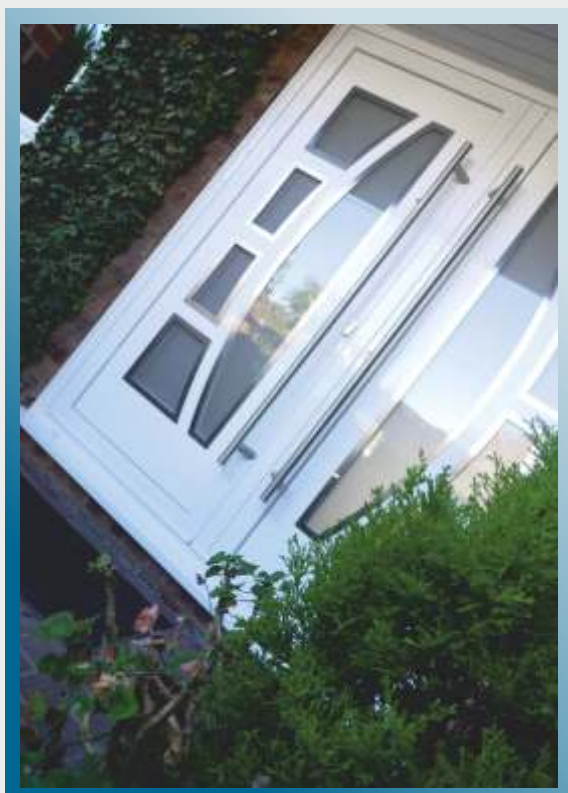


U-Value
1.8

	Single Door	Double Door
Min Width	600mm	1200mm
Max Width	1000mm	2000mm
Min Height	1700mm	1700mm
Max Height	2400mm	2400mm

Premium Plus Doors

- Residential front or back doors.
- 70mm or 58mm front to back options (thickness).
- Sight lines - 119mm jambs / 208mm meeting stile.
- Single or french doors.
- Can open in or open out.
- Standard or low threshold options.
- Premium / Premium plus side windows to match.
- Decorative panels, glass, leads or astragal options.
- PAS24 upgrade available.
- Slam shut hook locks with range of modern handle designs.



	Single Door	Double Door
Min Width	600mm	1200mm
Max Width	1000mm	2000mm
Min Height	1700mm	1700mm
Max Height	2400mm	2400mm

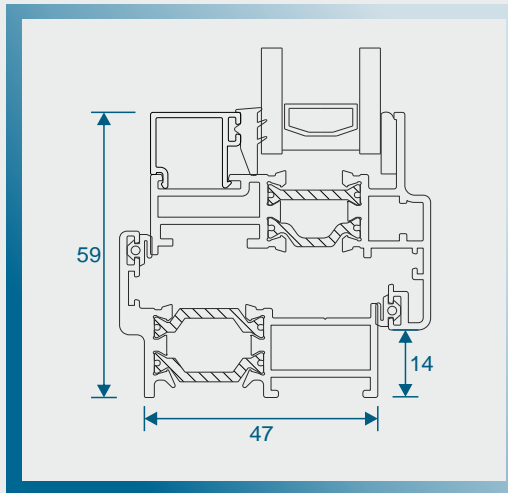
Heritage Aluminium Windows



Slim lines, thermally broken, authentic hardware and double glazed – our heritage windows & doors provide a range of styles for replacing existing steel fenestration or installing into a new project.

Heritage Stepped

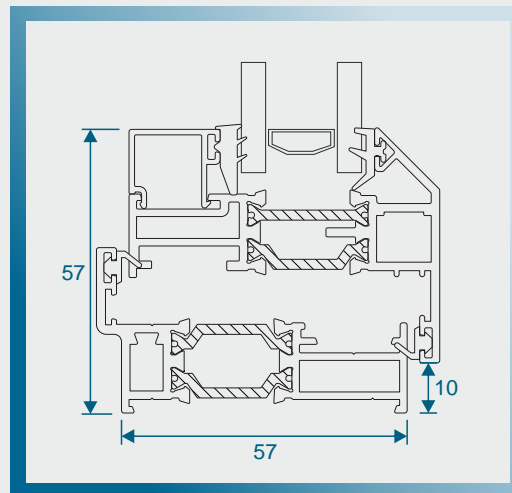
- Replicates stepped look steel windows.
- 47mm front to back (thickness).
- Slim sight lines - 59mm opener / 35mm fixed.
- Equal leg or odd leg frame options.
- Fit in a timber frame or direct to brick.
- Authentic lead or flat astragal options available.
- Unique patented Chelton handle range.
- Working butt hinges & peg stays available.
- Mock parliament & butt hinges available.



	Top Hung	Side Hung
Min Width	350mm	350mm
Max Width	1250mm	850mm
Min Height	300mm	350mm
Max Height	1250mm	1250mm

Heritage Puttyline

- Replicates puttyline look steel windows.
- 57mm or 70mm front to back (thickness) options.
- Sight lines
 - 57mm opener / 33mm fixed.
 - 71mm opener / 47mm fixed.
- Equal leg frame option only.
- Fit in a timber frame or direct to brick.
- Authentic lead design options.
- 'A' shaped or flat astragal options.
- Unique patented Chelton handle range.
- Mock butt hinges available.



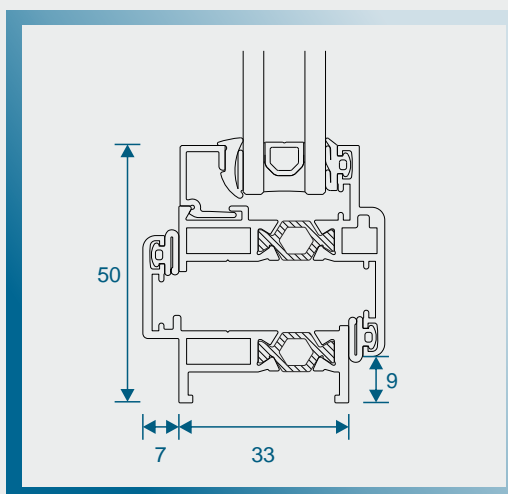
WER
C

WER
B

	Top Hung	Side Hung
Min Width	350mm	350mm
Max Width	1250mm	850mm
Min Height	300mm	350mm
Max Height	1250mm	1250mm

Royale Stepped

- Direct replacement for steel type windows.
- 33mm front to back (thickness).
- Slimmest sight lines - 50mm opener / 25mm fixed.
- Equal leg or odd leg frame options.
- Coupled or transom system.
- Fit in a timber frame or direct to brick.
- Authentic lead or flat astragal options available.
- Authentic handle options in a range of colours.
- Working butt hinges & peg stays available.
- Mock parliament & butt hinges available.

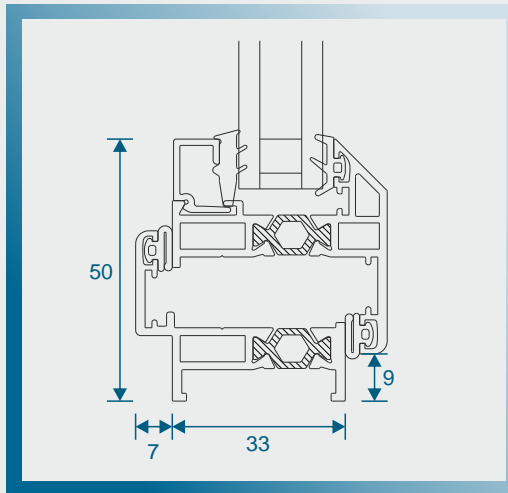


WER
B

	Top Hung	Side Hung
Min Width	350mm	350mm
Max Width	1250mm	650mm
Min Height	300mm	350mm
Max Height	1250mm	1250mm

Royale Puttyline

- Direct replacement for steel type windows.
- 33mm front to back (thickness).
- Slimmest sight lines - 50mm opener / 25mm fixed.
- Equal leg or odd leg frame options.
- Coupled or transom system.
- Fit in a timber frame or direct to brick.
- Authentic lead design options.
- 'A' Shaped and flat astragal options.
- Authentic handle options in a range of colours.
- Working butt hinges & peg stays available.
- Mock parliament & butt hinges available.



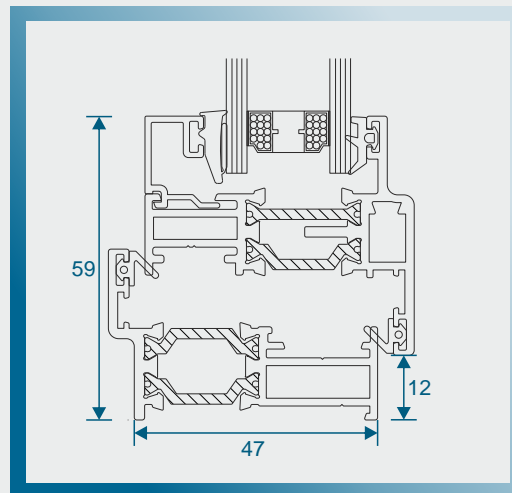
	Top Hung	Side Hung
Min Width	350mm	350mm
Max Width	1250mm	650mm
Min Height	300mm	350mm
Max Height	1250mm	1250mm

Heritage Aluminium Doors



Heritage Stepped Door

- Replicates stepped look steel doors.
- 47mm front to back (thickness).
- Slim sight lines - 59mm Jamb / 99mm meeting stile.
- Standard threshold only.
- Can open in or open out.
- Fit in a timber frame or direct to brick.
- Laybars & extended handle plate for authentic look.
- Add astragal bars or lead to customise your door.
- Matches the heritage stepped windows.
- Lever handle with outside access.



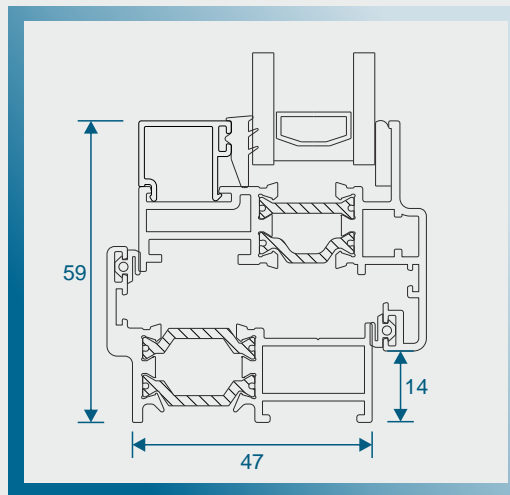
U-Value
1.7

U-Value
1.6

	Single Door	Double Door
Min Width	600mm	1200mm
Max Width	900mm	1800mm
Min Height	1600mm	1600mm
Max Height	2100mm	2100mm

Balcony Stepped Doors

- Replicates stepped look steel doors.
- 47mm front to back (thickness).
- Slim sight lines - 59mm Jamb / 94mm meeting stile.
- Standard threshold & opens out only.
- Equal leg or odd leg available.
- Fit in a timber frame or direct to brick.
- Add astragal bars or lead to customise your door.
- Matches the heritage stepped windows.
- 1 laybar needed to base of the door.
- Internal handles only - no outside access.



U-Value
1.8

	Single Door	Double Door
Min Width	600mm	1200mm
Max Width	800mm	1600mm
Min Height	1600mm	1600mm
Max Height	2100mm	2100mm

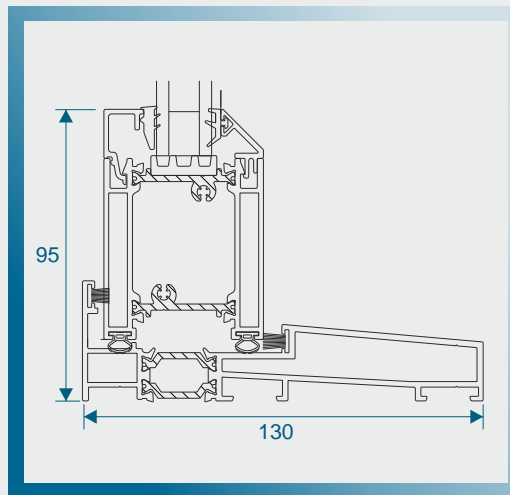
Box Sash Aluminium Windows



Slim and elegant yet strong and low maintenance - our aluminium sash windows have traditional features such as deep bottom rails and decorative horns, or square detailing for a modern, clean appearance.

Royale VS

- Replicates a traditional box sash window.
- Puttyline style sash.
- Authentic deep bottom rail - 95mm.
- 130mm front to back (thickness).
- Sight lines - 89mm jamb / 42mm midrail.
- Traditional decorative horns as standard.
- Add 'A' shaped astragal bars for that period look.
- Lead designs also available.
- Tilts in for easy cleaning.

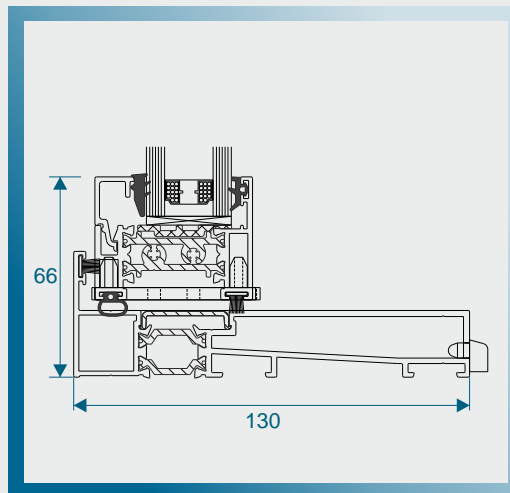


WER
B

Width	Max Height (min 750mm)
500mm - 1250mm	2800mm
1300mm - 1350mm	2500mm - 2200mm
1400mm - 1450mm	2000mm - 1800mm
1500mm - 1600mm	1600mm - 1300mm

VS Plus

- Replicates a traditional box sash window.
- Square style sash.
- Slim or deep bottom rail - 66mm / 101mm.
- 130mm front to back (thickness).
- Sight lines - 89mm or 96mm jamb / 42mm midrail.
- No decorative horns.
- Add flat shaped astragal bars for that period look.
- Lead designs also available.
- Tilts in for easy cleaning.



WER
C

WER
B

Width	Max Height (min 750mm)
500mm - 1250mm	2800mm
1300mm - 1350mm	2500mm - 2200mm
1400mm - 1450mm	2000mm - 1800mm
1500mm - 1600mm	1600mm - 1300mm

Bifolding Aluminium Doors

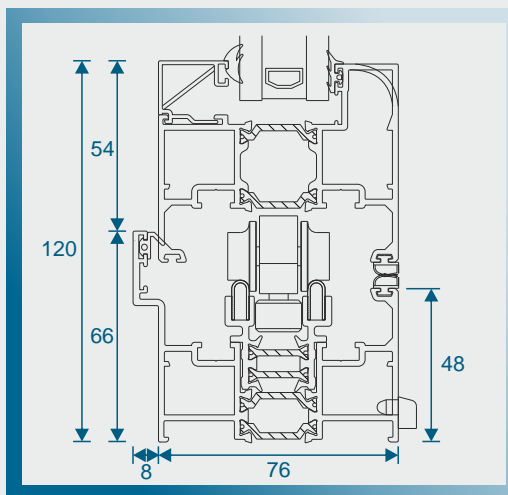


Aluminium is the perfect choice for bifolding doors, offering slim lines yet strong, secure frames with minimal maintenance.

With our extensive and unique range of bifolding doors there will be a product to suit all applications. All doors are bespoke and made to order - perfect to create large openings and welcoming the outdoors into the home.

Emperor Concealed

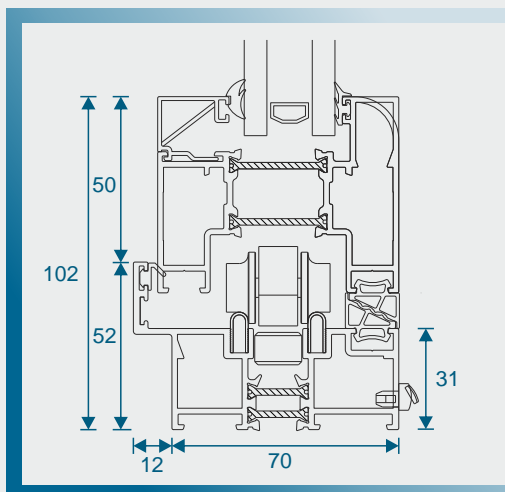
- Concealed hinges for a sleek look.
- PAS24 upon request.
- 76mm front to back option (thickness).
- Sight lines - 123mm jambs / 135mm interlock.
- Weather rated low or standard threshold.
- Can be made to open in or open out.
- Available in a range of panel configurations.
- Single doors and french doors also available.
- All handles key locking as standard.
- Radius or square sash / chamfered or square beads.



	Per Panel
Min Width	700mm
Max Width	1000mm
Min Height	1600mm subject to panel configuration
Max Height	2400mm

Durafold 1000

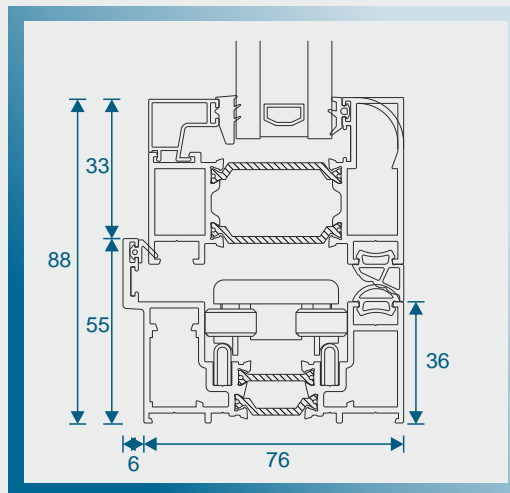
- 70mm or 82mm front to back options (thickness).
- Sight lines - 105mm jambs / 132mm interlock.
- 20mm low, 15mm low or standard thresholds.
- U-values as low as 1.5 with glass upgrade.
- Integrated cill and threshold available.
- Can be made to open in or open out.
- Available in a range of panel configurations.
- Single doors and french doors also available.
- All handles key locking as standard.
- PAS24 upon request for some configurations.
- Radius or square sash / chamfered or square beads.



	Per Panel
Min Width	700mm
Max Width	1200mm subject to height / wind load
Min Height	1000mm
Max Height	2750mm subject to width / wind load

Durafold Slim-line Plus

- 76mm - 82mm front to back (thickness).
- Slimmest sight lines - 107mm or 88mm jambs.
- 94mm interlock.
- Standard threshold only.
- U-values as low as 1.5 with glass upgrade.
- Can be made to open in or open out.
- Available in a range of panel configurations.
- Single doors and french doors also available.
- Radius or square sash with square beads.

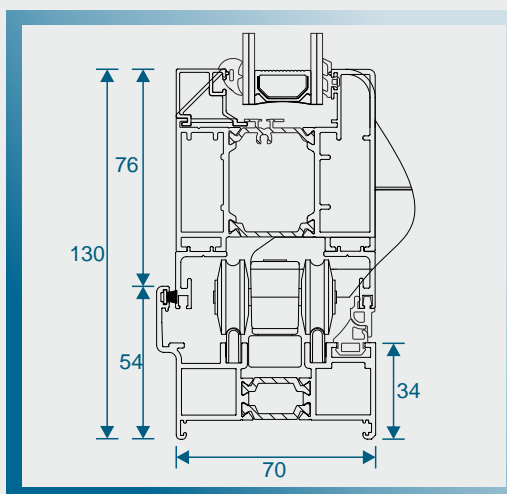


U-Value
1.5

	Per Panel
Min Width	700mm
Max Width	1000mm
Min Height	1000mm
Max Height	2400mm

Continental

- 70mm front to back option (thickness).
- Sight lines - 110mm jambs / 140mm interlock.
- Standard and low thresholds.
- U-values as low as 1.5 with glass upgrade.
- Can be made to open in or open out.
- Available in a range of panel configurations.
- Single doors and french doors also available.
- All handles key locking as standard.
- PAS24 available upon request.
- Available as floating corner post door.
- Radius or square sash / chamfered or square beads.



	Per Panel
Min Width	700mm
Max Width	1200mm subject to height / wind load
Min Height	1000mm
Max Height	2750mm subject to width / wind load

Windows

Residential Doors

Heritage Windows

Heritage Doors

Sash Windows

Bifold Doors

Sliding Patios

Secondary Glazing

Roofs

Commercial

Blinds - For Bifolding Doors



Integrated Manual - Two Rail

- Venetian style blinds integrated into the glazed unit.
- Available in all bifolding doors with a 28mm unit.
- Slats made of aluminium and come in 9 colours.
- Top and side rail comes in 9 colours.
- Blind can be moved up / down and tilted.
- Uses heavy duty magnets to operate the blind.
- Has two rails - one on each side of the panel.

Integrated Electronic - Battery Powered

- Venetian style blinds integrated into the glazed unit.
- Available in all bifolding doors with a 28mm unit.
- Slats made of aluminium and come in 6 colours.
- Silver top rail & side spacer.
- Maximum glass area with no side rails.
- Blind can be moved up / down and tilted.
- Uses rechargeable battery units.
- Optional wireless remote.



Sliding Aluminium Doors

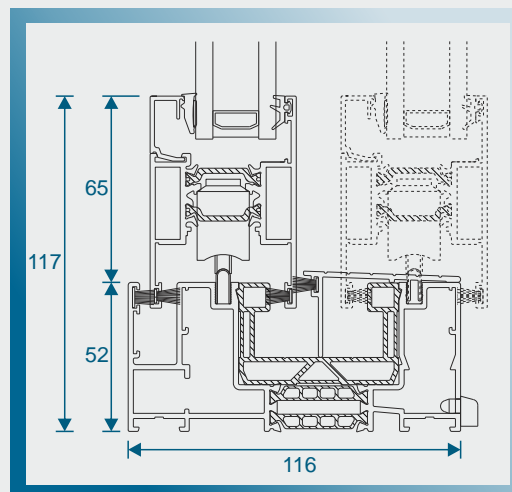


From smaller 2.4m to 6m + openings, we have a wide range of bespoke, made to measure sliding patio doors suitable for any requirement. Choose Duraslide 2000 for standard requirements or Penthouse for larger openings.

Flood your home with light and make the most of a panoramic view with our patio doors.

Penthouse Plus - Slide

- Panoramic patio door - panels up to 2500mm.
- 116mm or 183mm front to back options (thickness).
- Sight lines - 117mm jambs / 83 or 35mm interlock.
- Two, three, four or six panel designs available.
- All panels can slide or be fixed to suit design needs.
- Maximise views with large panels & slim interlocks.
- Threshold can be flush fitted internally.
- PAS24 upgrade available for extra security.

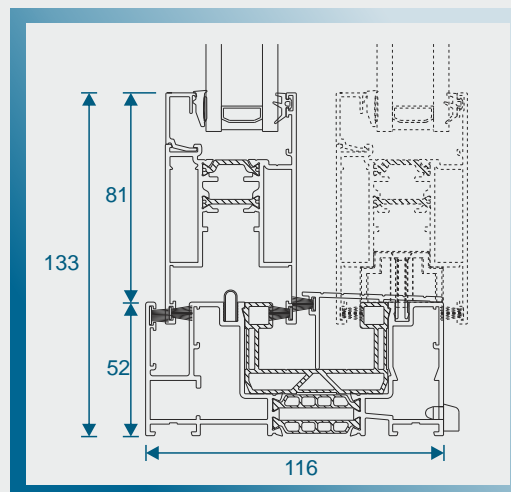


	2 Panel	3 Panel	4 Panel	6 Panel
Min Width	1400mm	2100mm	2800mm	4200mm
Max Width	5000mm	7500mm	10000mm	13000mm
Min Height	1850mm	1850mm	1850mm	1850mm
Max Height	2500mm	2500mm	2500mm	2500mm

Doors over 6500mm in width will use two sections mechanically joined.
Maximum panel weight is 200kg.

Penthouse Plus - Lift & Slide

- Panoramic patio door - panels up to 2500mm.
- Unique lift and slide mechanism.
- Anti-slam soft closer available upon request.
- Door can be opened and dropped at any position.
- 116mm or 183mm front to back options (thickness).
- Sight lines - 133mm jambs / 99mm interlock.
- Two, three or four panel designs available.
- All panels can slide or be fixed to suit design needs.
- Maximise views with large panels.
- Threshold can be flush fitted internally.



U-Value
1.8

U-Value
1.6

	2 Panel	3 Panel	4 Panel
Min Width	1400mm	2100mm	2800mm
Max Width	5000mm	7500mm	10000mm
Min Height	1850mm	1850mm	1850mm
Max Height	2500mm	2500mm	2500mm

Doors over 6500mm in width will use two sections mechanically joined.
Maximum panel weight is 200kg.

Windows

Residential Doors

Heritage Windows

Heritage Doors

Sash Windows

Bifold Doors

Sliding Patios

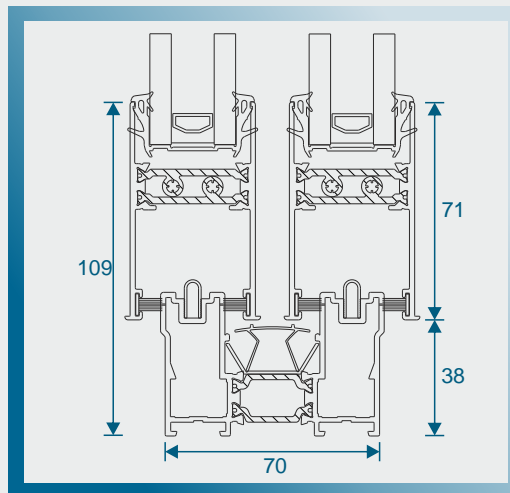
Secondary Glazing

Roofs

Commercial

Duraslide 2000

- Slim-line patio door.
- 70mm or 122mm front to back options (thickness).
- Sight lines - 113mm jambs / 38mm interlock.
- Two, three or four panel designs available.
- All panels can slide or be fixed to suit design needs.
- Wrap around glazing for better security.
- Multi point hook locks to moving panels.



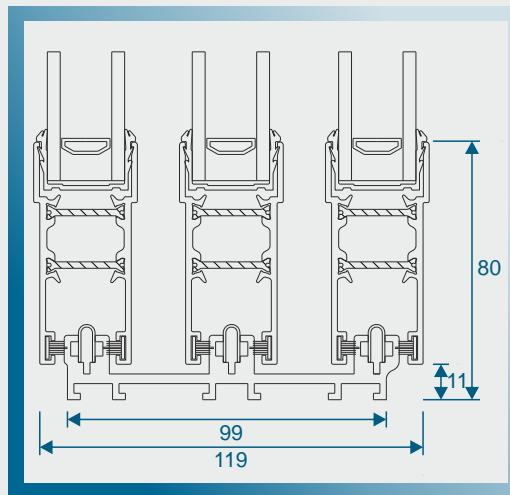
U-Value
1.8

U-Value
1.6

	2 Panel	3 Panel	4 Panel
Min Width	1400mm	2100mm	2800mm
Max Width	2700mm	4050mm	5400mm
Min Height	1850mm	1850mm	1850mm
Max Height	2250mm	2250mm	2250mm

Internal Room Divider

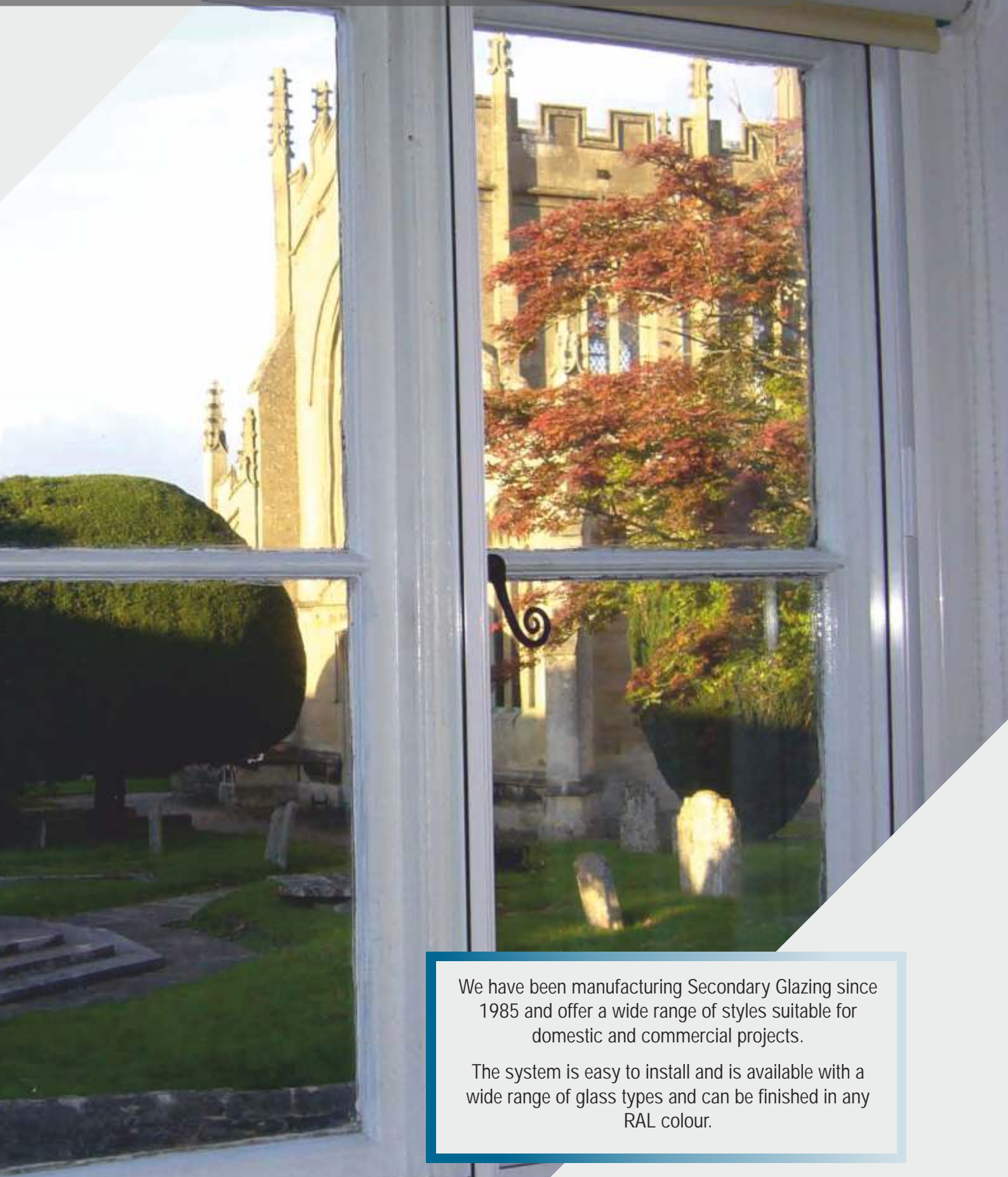
- Slimline Room divider for internal use.
- 99mm front to back option (thickness).
- Sight lines - 110mm jambs / 44mm interlock.
- 23mm low threshold.
- Two, three, four or six panel designs available.
- All panels slide.
- Single or double glazed.
- Single hook lock as standard.
- Key locking handle outside / recessed handle inside.



	2 Panel	3 Panel	4 Panel	6 Panel
Min Width	1200mm	1800mm	2400mm	3600mm
Max Width	3000mm	4500mm	6000mm	6400mm
Min Height	1800mm	1800mm	1800mm	1800mm
Max Height	2500mm	2500mm	2500mm	2500mm

Doors over 6500mm in width will use two sections mechanically joined.
Maximum panel weight is 40kg.

Secondary Glazing

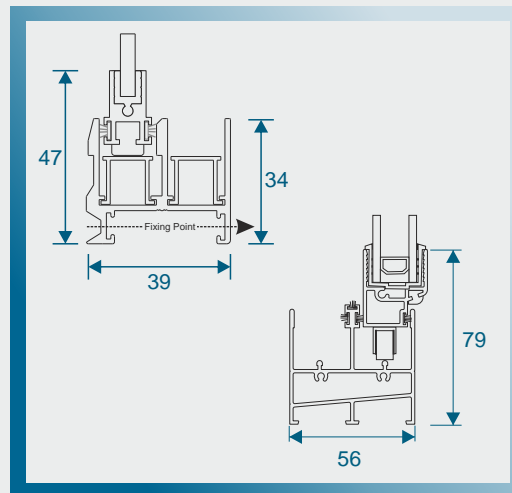


We have been manufacturing Secondary Glazing since 1985 and offer a wide range of styles suitable for domestic and commercial projects.

The system is easy to install and is available with a wide range of glass types and can be finished in any RAL colour.

Horizontal Sliding

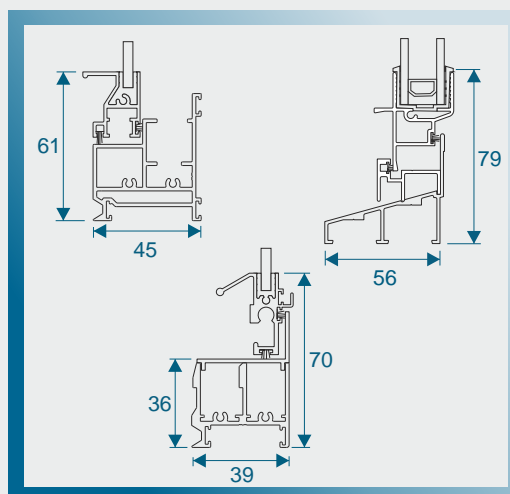
- 39mm to 56mm front to back options (thickness).
- Sight lines - 47mm to 59mm jambs.
- 20mm to 35mm interlock.
- Two, three, four or five panel designs available.
- Frame options include:
 - Economy odd leg (face fix only)
 - Luxury subframe (face or reveal fix)
 - Slimline equal leg (face or reveal fix)
 - Heavy duty (reveal fix only)
- 4mm, 6mm, 6.4mm lam or 6.8mm acoustic lam glass options.
- Heavy duty can take single or double glazed units.



Std Duty	2 Panel	3 Panel	4 Panel	5 Panel
Min Width	400mm	600mm	800mm	1000mm
Max Width	2500mm	3750mm	4900mm	4900mm
Min Height	400mm	400mm	400mm	400mm
Max Height	1980mm	1980mm	1980mm	1980mm
Heavy Duty	2 Panel	3 Panel	4 Panel	5 Panel
Min Width	800mm	1200mm	1600mm	N/A
Max Width	3000mm	4500mm	4900mm	N/A
Min Height	400mm	400mm	400mm	N/A
Max Height	2400mm	2400mm	2400mm	N/A

Vertical Sliding Sash

- 39mm to 56mm front to back options (thickness).
- Sight lines - 47mm to 81mm jambs.
- 20mm to 35mm midrail.
- Non-balance, balanced and tilt-back available*.
- Frame options include:
 - Economy odd leg (face fix only)
 - Luxury subframe (face or reveal fix)
 - Slimline equal leg (face or reveal fix)
 - Heavy duty (reveal fix only)
- 4mm, 6mm, 6.4mm lam or 6.8mm acoustic lam glass options.
- Heavy duty can take single or double glazed units.
- Tilt back VS offer greater clearance for cleaning.



	Non-Bal	Balanced	Tilt Back	Heavy Duty
Min Width	400mm	400mm	400mm	400mm
Max Width	1250mm	1250mm	1250mm	1500mm
Min Height	600mm	800mm	800mm	900mm
Max Height	1850mm	2450mm	2450mm	2800mm
Max Weight	18kg	18kg	18kg	50kg

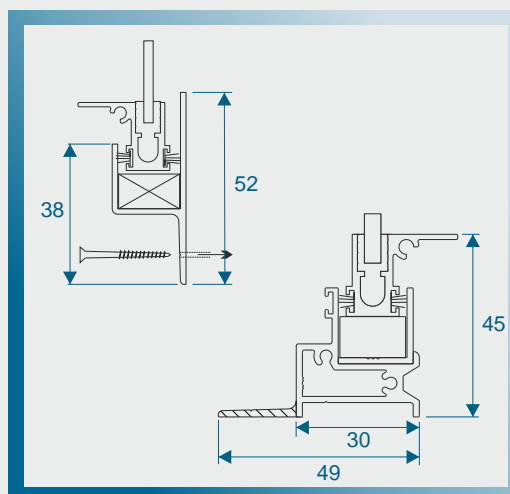
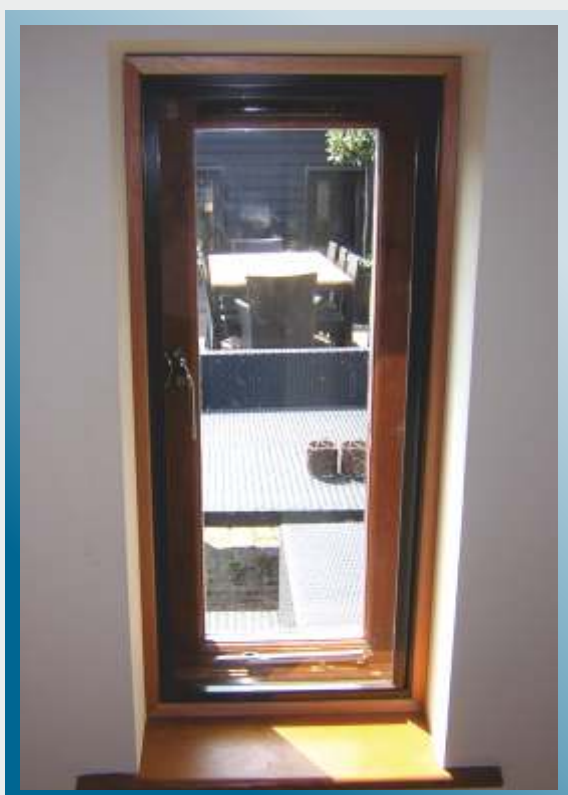
*Heavy duty is balanced only.

*Tilt back frames - slimline or luxury subframe only.

*Max weights based on per panel

Lift Out

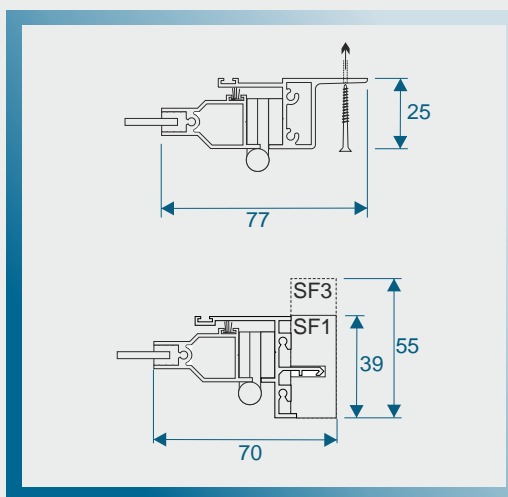
- 20mm to 49mm front to back options (thickness).
- Sight lines - 40mm to 63mm jambs.
- Frame options include:
 - Economy odd leg (face fix only)
 - Luxury subframe (face or reveal fix)
 - Slimline equal leg (face or reveal fix)
- 4mm, 6mm, 6.4mm lam or 6.8mm acoustic lam glass options.
- Panel can be lifted in and out for cleaning.



	Overall Frame Size
Min Width	300mm
Max Width	1250mm
Min Height	300mm
Max Height	2100mm

Hinged

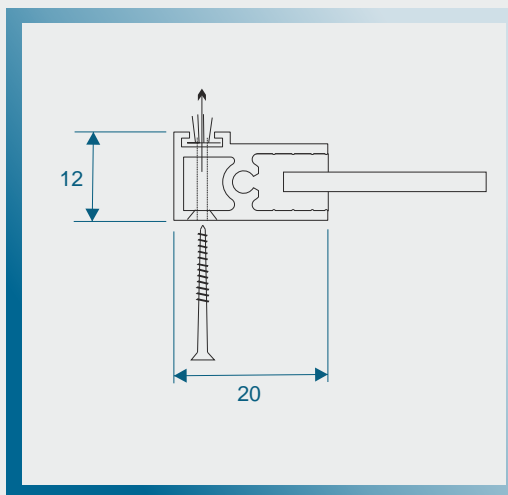
- 25mm to 55mm front to back options (thickness).
- Sight lines - 70mm to 77mm jambs.
- 77mm meeting stile.
- Frame options include:
Economy odd leg (face fix only)
Luxury subframe (face or reveal fix)
- 4mm, 6mm, 6.4mm lam or 6.8mm acoustic lam glass options.
- Single top hung or side hung on friction hinges.
- Single or double butt hinge side openers.
- Single and double door sizes available.



	Top Hung	Side Hung	Single Butt	Double Butt
Min Width	350mm	350mm	300mm	700mm
Max Width	1250mm	650mm	900mm	1800mm
Min Height	400mm	400mm	400mm	400mm
Max Height	1000mm	1250mm	2100mm	2100mm

Fixed

- 12mm front to back (thickness).
- Sight lines - 20mm.
- Face fixed product only.
- 4mm, 6mm, 6.4mm lam or 6.8mm acoustic lam glass options.
- Fixed secondary can be curved (600min diameter).



	Overall Frame Size
Min Width	300mm
Max Width	1500mm
Min Height	300mm
Max Height	2500mm

Roofs & Conservatories



Orangeries, roof lights and conservatories are the latest in design needs to extend your home, create a new space or simply let more light in.

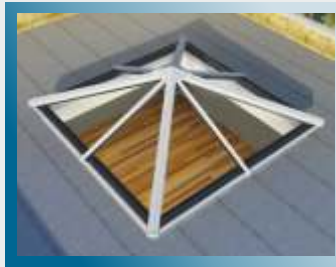
We offer a wide range of bespoke roof types and styles completely made of thermally broken aluminum. These roofs can be designed to suit any build and design needs with a range of windows and doors to match.

Example Roof Designs

Below shows some example styles we offer with our roof system.



Roof Lantern with Up-stands



Pyramid Roof Lantern



8 Sided Lantern



Standard Flat Rooflight



Edwardian



Edwardian with 2 Facets



Mediterranean / Lean-to



Double Hipped Mediterranean



Mediterranean with 3 Facets



Gable Ended



Victorian with 3, 5 or 7 Facets



'L' Shaped



'P' Shaped



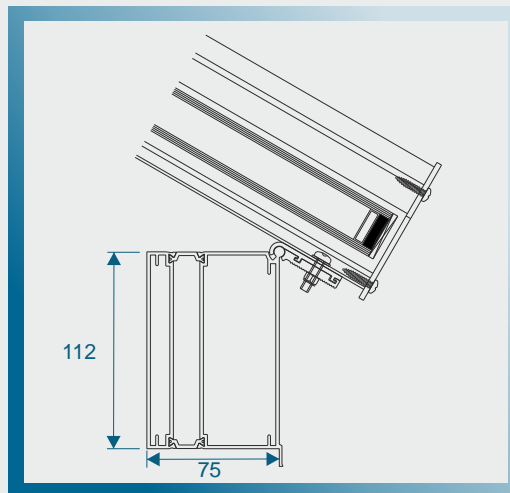
'T' Shaped



Double 'P' Shaped

Hipped & Gable

- All aluminium system - including all cappings.
- 15 - 45 degree pitch.
- Manual and electric opener options.
- Variety of glass options to suit all needs.
- Matching upstand windows for hipped lanterns.
- Window end frames for gable roofs.
- All bespoke sizes and designs.
- Single and dual colour options.



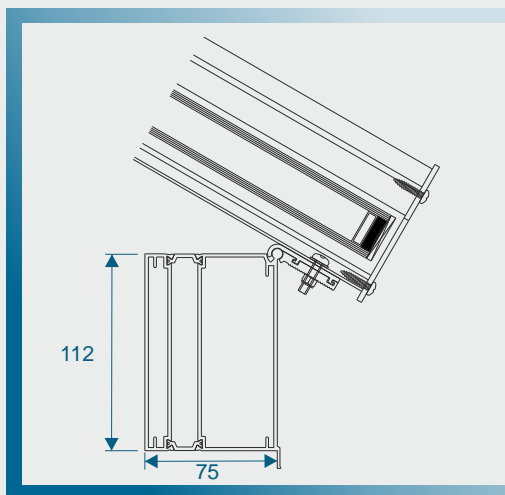
U-Value
1.6

U-Value
1.4

	Constraints
Max Opener Width	1000mm
Max Opener Depth	1200mm
Max Rafter Splits	1000mm
Pitch	15 - 45 degrees

Lean-to

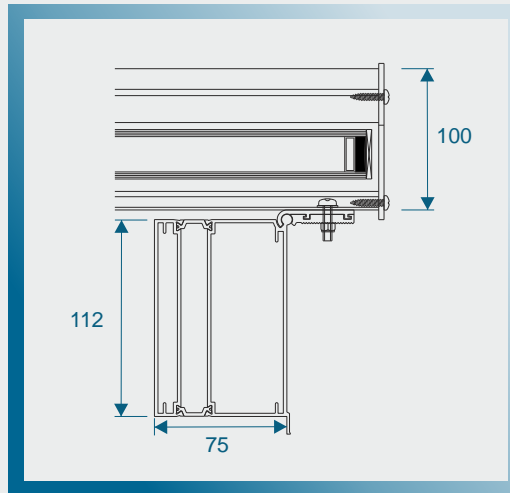
- All aluminium system - including all cappings.
- 5 - 45 degree pitch.
- Manual and electric opener options.
- Variety of glass options to suit all needs.
- Window end frames if required.
- All bespoke sizes and designs.
- Single and dual colour options.
- Can be placed in a tiled roof.
- Can also be done as a reverse lean-to.
- Structural ring beams available for larger spans.
- Optional box gutter or aluminium gutters on request.



	Constraints
Max Opener Width	1000mm
Max Opener Depth	1200mm
Max Rafter Splits	1000mm
Pitch	5 - 45 degrees

Standard Flat

- All aluminium system.
- All bespoke sizes.
- Heavy duty rafters for larger sizes.
- Manual and electric opener options.
- Variety of glass options to suit all needs.
- Single and dual colour options.
- Sits on top of a timber upstand.



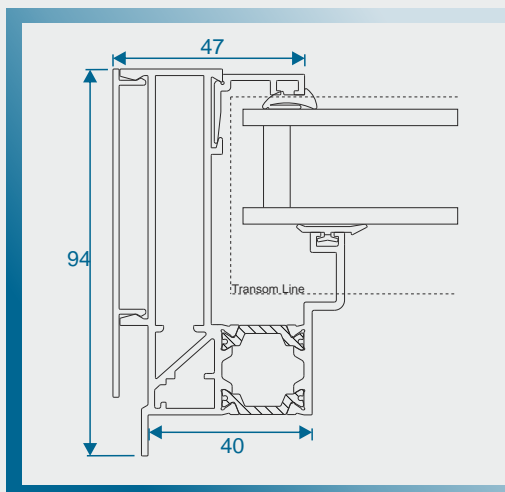
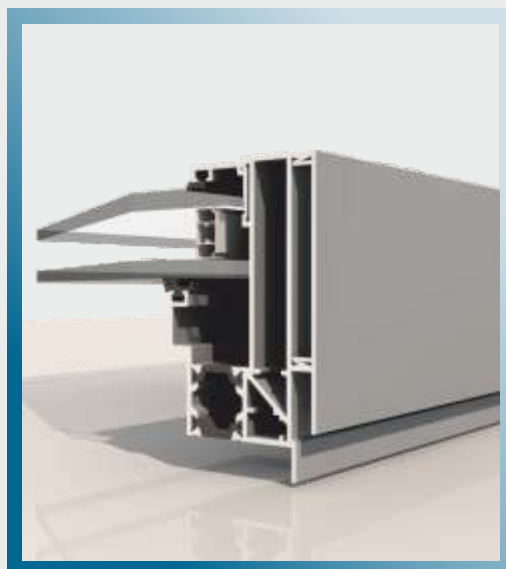
U-Value
1.6

U-Value
1.4

	Constraints
Max Opener Width	1000mm
Max Opener Depth	1200mm
Max Rafter Splits	1000mm
Depth Size	1400mm - 3500mm

Slim-line Flat

- All aluminium system.
- All bespoke sizes.
- Manual and electric opener options.
- Variety of glass options to suit all needs.
- Single and dual colour options.
- Sits on top of a timber upstand.
- Double glazed or triple flush glazed options available.



U-Value
1.6

U-Value
1.4

	Constraints
Max Opener Width	1000mm
Max Opener Depth	1200mm
Max Rafter Splits	1000mm
Depth Size	Up to 1400mm external size

Windows

Residential Doors

Heritage Windows

Heritage Doors

Sash Windows

Bifold Doors

Sliding Patios

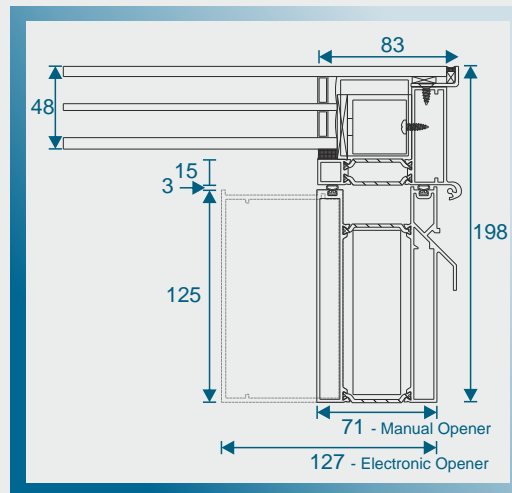
Secondary Glazing

Roofs

Commercial

Elegance - Pitched

- Flush triple glazed units.
- Install on pitched roofs between 5 & 60 Degrees.
- Fixing skirt for easy installation.
- All bespoke sizes.
- Manual and electric opener options.
- Variety of glass options to suit all needs.
- Single and dual colour options.
- Sits on top of timber joists.
- Electric motor for openers can be surface mounted or concealed.

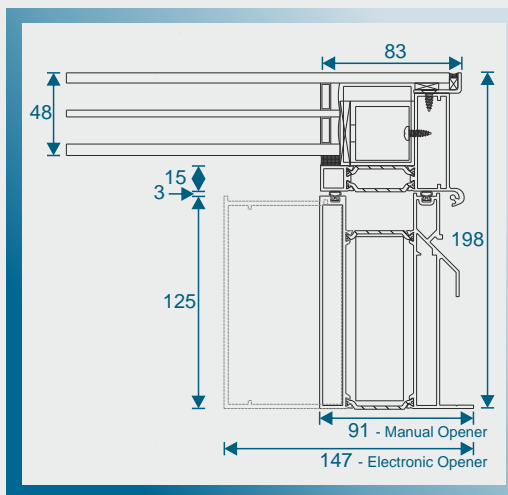


U-Value
1.4

	Constraints
Max Width	1500mm
Max Depth	1250mm
Pitch	5 - 60 degrees

Elegance - Flat

- Flush triple glazed units.
- Available with fixing lugs for easy installation.
- All bespoke sizes.
- Manual and electric opener options.
- Variety of glass options to suit all needs.
- Single and dual colour options.
- Sits on top of an angled timber upstand.
- Electric motor for openers can be surface mounted or concealed.



U-Value
1.4

	Constraints
Max Width	1500mm
Max Depth	1250mm
Pitch	5 - 60 degrees

Commercial Aluminium

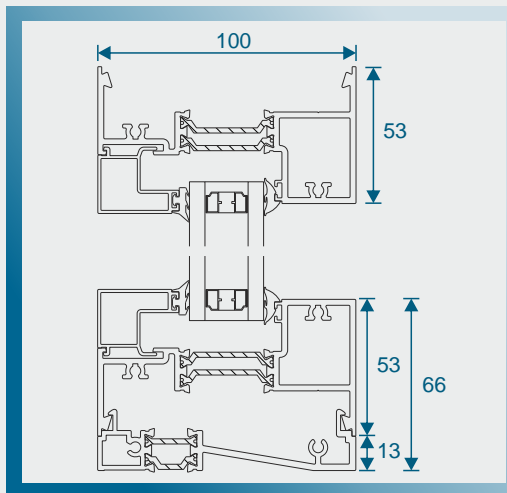


Our commercial systems are versatile and economical, offering a wide variety of options to suit any application.

Our commercial systems benefit from the slim lines using the natural strength of aluminium. The powder coated finish is virtually maintenance free and comes in any RAL colour.

Commercial Screens

- 100mm front to back (thickness).
- Low rise curtain walling.
- Shuffle glazed system.
- Thermally broken aluminium.
- Vertical upright system - mullions full height.
- For internal and external use.
- Multiple screens clip together for smaller sightlines.
- Opening window inserts available upon request.
- Sightlines
 - 53mm jams
 - 53mm mullion
 - 53mm transom

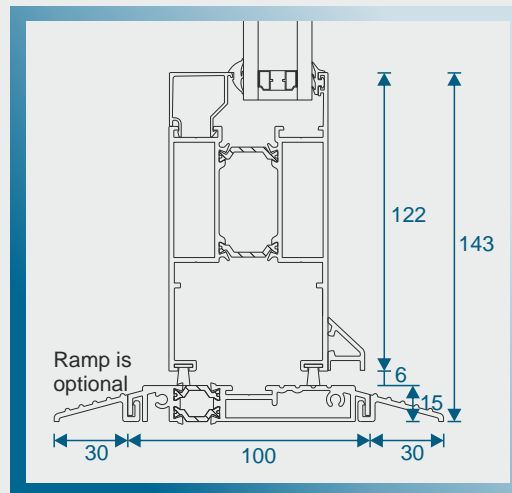
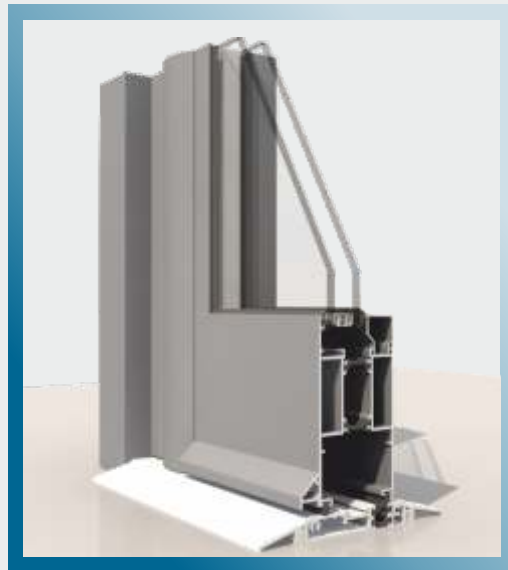


U-Value
2.0

	Single Screen
Min Width	300mm
Max Width	2500mm
Min Height	300mm
Max Height	3000mm

Commercial Doors

- 100mm front to back (thickness).
- Thermally broken aluminium.
- Double ramped low threshold as standard.
- Variety of hardware - push paddle, panic bars, pad handles, pole handles, code lock.
- Anti finger trap with centre pivot swing as standard.
- Concealed closer - hold open or non-hold open.
- Clip in side lights available for screen combinations.
- Sightlines
 - 164mm hinge jamb.
 - 143mm threshold.
 - 176mm to 198mm meeting stile.



U-Value
2.0

	Single Door	Double Door
Min Width	550mm	1100mm
Max Width	1150mm	2300mm
Min Height	1600mm	1600mm
Max Height	2500mm	2500mm

Why Aluminium?

Renowned for light weight and high strength, aluminium can be found in a whole host of everyday products - from cars to washing machines and patio doors. Combined with its long life and extremely low maintenance requirements, aluminium has become the perfect choice for home owners when selecting new or replacement windows and doors.

All our products are designed with performance, looks and efficiency in mind, with each frame incorporating a 'thermal-break'. This effectively insulates our doors and windows against heat loss, raising a home's internal temperature and helping to reduce the risk of condensation.

Using the natural strength of aluminium, doors and windows can be made with slimmer sight lines - maximising the glass area. Our profiles can be painted in a wide range of custom colours in matt, semi-gloss or gloss finishes. We also offer textured paint finishes on many of our products.

Maintenance for aluminium is simple and straightforward, with a routine 'wipe-clean' all that is required to keep the products looking their best.

Aluminium is arguably the most sustainable building material in the world and is also highly recyclable. The recycling process creates high quality aluminium which loses none of the physical properties, meaning that it can be endlessly recycled for use as new products without losing quality. Recycled aluminium also uses just 5% of the energy it takes to create primary aluminium.



