

**RLM**

WINDOWS, DOORS &  
CONSERVATORIES



# Contemporary

Aluminium Bi-folding Doors





As seen on  
**Channel 4**  
Old House, New Home





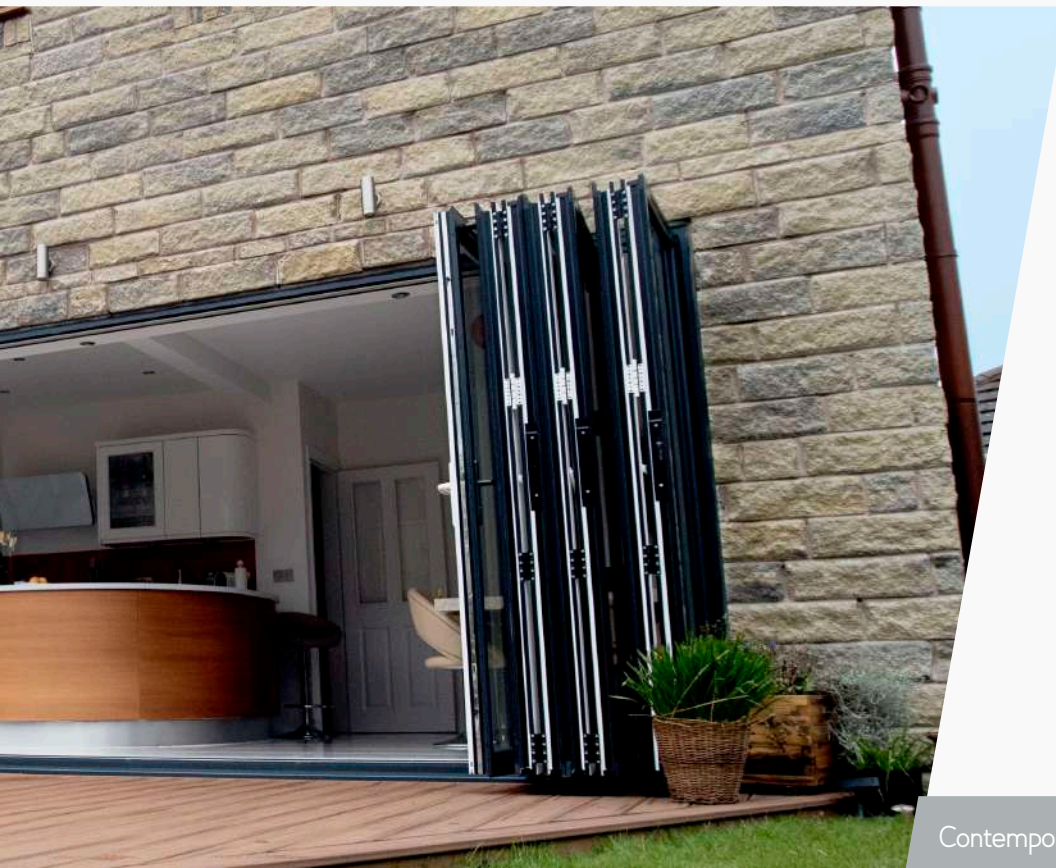
# Visually Stunning

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Bi-folding doors are the ultimate way to transform your home. Not only are they visually stunning, they also utilise the latest technology to achieve outstanding weather performance and security.

If you're looking for that WOW factor, you're certainly looking at the right product. Bi-folding doors are becoming a popular solution to seamlessly merge your patio and garden with your living space to create a stunning addition to your home. Our low threshold option gives you the opportunity to create a flush opening to truly bring the outside, inside. The flush low threshold option isn't just stunning it's also practical for homes where wheelchair or even buggy access is required.

Bi-folding doors allow you to open up entire facades in your home and make the most out of an attractive garden or outside area. These beautifully designed, versatile doors are suitable wherever you want to transform your home; living room, bedroom, kitchen, conservatory, the choice is yours.





# Enjoy, whatever the weather

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Our bi-folding doors are made using the Visofold 1000 profile system, which utilises the latest polyamide thermal barrier technology. This advanced profile technology creates a thermal transmittance barrier between the cold outside and the warm inside keeping your home warm and comfortable even in the coldest weather.

## Weatherproofing

Our aluminium doors are designed to give strength and durability to ensure a structurally sound product that requires minimal maintenance and delivers reliable performance over a lifetime of use.

Each door set carries 28mm double glazed argon-filled units incorporating softcoat toughened safety glass as standard. This naturally ensures that only a limited amount of heat escapes through the glass. The doors also come with multiple rubber seals and draught excluders helping to ensure that nothing but sunlight passes through the doors.

## Open or closed

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The contemporary aesthetics of our bi-folding doors will add a touch of finesse to any external aspect of your home. When closed, our bi-folding doors complement your home with a striking glass facade using attractive sculptured characteristics that are pleasing to the eye. During warmer weather you have the option to fold the sashes back to give a stunning opening that draws the exterior ambience into the comfort of your home.





## Safe and Secure

One of the most important considerations when buying new windows and doors is security. Rest assured that our doors have some of the most effective locking systems available on modern bi-folding doors.



### 3 Point Locking System

The 3 point locking system, which is applied to all independently opening traffic doors has been accredited with 'PAS 24:2016' status.

### ATK Diamond Grade Euro Lock

ATK is our standard cylinder fitted on all master doors. The lock comes the Master Locksmith Association's highest rating - SS312 Sold Secure Diamond, TS007 3 star rating and British Kitemark accreditations. The ATK euro cylinder has 6 trap pins for advance pick resistance and 10 anti-drill pins that make your bi-folding door stunningly secure.



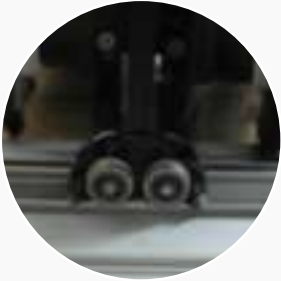
### PAS 24:2016 Upgrade

Upgrade the security of your bi-folding doors by taking advantage of our PAS 24:2016 security package. The upgrade includes acoustic glass. This is generally mandatory on new-build projects.

# Contemporary Features

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Our aluminium bi-folding doors come with many different features and hardware options, many of which are available in a variety of different colours. The features have been designed with aesthetics and functionality in mind and the final door solution certainly reflects on this.

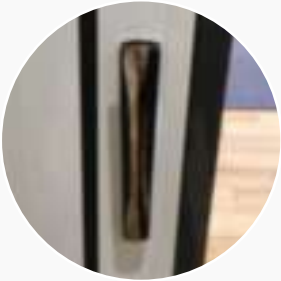


## Stainless Steel Rollers

The doors glide on stainless steel rollers, which allows for unrestricted thoroughfares and maximum use of space and light. The smooth contours and curved clean lines create an attractive aesthetic that will compliment any home, whatever your taste and style.

## Lever / Lever Handle

Our standard bi-folding door handle used on the traffic door is a lever/lever handle. The lever/lever handle is available in a variety of colours such as white, gold, chrome, satin chrome and black.



## Intermediate Shootbolt

The intermediate shootbolt locking handle is located where two intermediate doors meet. To engage the locking mechanism the handle will point downwards. To open the door and to disengage the locking system, the handle will rotate about 180 degrees either clockwise or anticlockwise depending on how the door is hinged.

## D-Handle Hinge

D-handles are used in conjunction with the intermediate shootbolt handle. They are found on the inside of the door and are integrated into the hinge, providing an easy hand-hold for pulling and sliding the doors open and closed.



Internal View

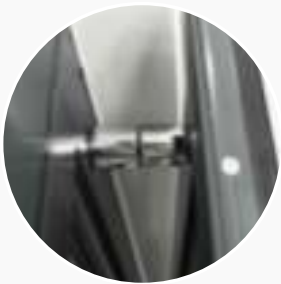


External View

## Flush Trickle Vents

The optional trickle vent is a small opening integrated into the head section of the door sash that allows for small amounts of ventilation. The installation of trickle vents is recommended to meet the requirements of building regulations Part F, means of ventilation.



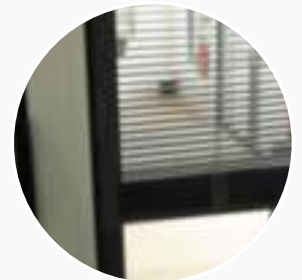


## Magnetic Catch

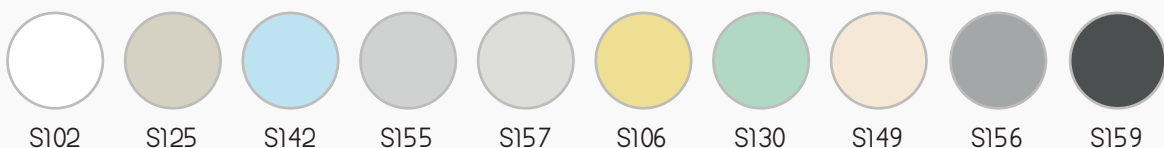
Our bi-folding doors also come with magnetic catches to ensure that when the traffic door is open the handle won't make contact with the second door and potentially cause damage. In addition it also means that you are able to leave the traffic door open without the fear of it being caught by the wind.

## Integral Blinds

Our integral blinds are a no hassle alternative to curtains and internally hung blinds. With the blinds being hermetically sealed inside the glass unit, you never have to worry about getting your duster out again. The blinds come with the facility to slide up and down and tilt to reduce light if needed.



## Integral Blinds Colour Options



The colours shown are designed as a guide only, before making your final decision, please ensure you have seen a blind swatch.



## Colourways

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From stock our bi-folding doors are available in white, grey and black. You also have the option of requesting dual colour e.g. grey on the outside and white on the inside. Other colours are available upon request but may be subject to a minimum order quantity. Please get in touch to discuss.



White  
RAL 9010



Grey  
RAL 7016



Black  
RAL 9005





# Door Configurations

All door styles can open inside or outside and be either left or right handing.



Identifies traffic door with lever handle and 3\* diamond high security cylinders.



Identifies intermediate doors with shoot-bolt handle (internal only, no external handle).

**2 Panel Door**

220, 211, 202

**3 Panel Door**

303, 312, 330

Configuration Code

**4 Panel Door**

404, 431, 422, 413, 440

**5 Panel Door**

550, 532, 523, 505, 514, 541

**6 Panel Door**

660, 633, 615, 606, 651

**7 Panel Door**

707, 725, 752, 716, 761, 770

**8 Panel Door**

880, 808, 835, 853, 817, 871, 844

Detailed description: This section contains diagrams for door configurations with 2, 3, 4, 5, 6, 7, and 8 panels. Each diagram shows the door in its closed position with arrows indicating the direction of opening (left or right). Configuration codes are provided for each specific arrangement. The codes are: 220, 211, 202 for 2-panel; 303, 312, 330 for 3-panel; 404, 431, 422, 413, 440 for 4-panel; 550, 532, 523, 505, 514, 541 for 5-panel; 660, 633, 615, 606, 651 for 6-panel; 707, 725, 752, 716, 761, 770 for 7-panel; and 880, 808, 835, 853, 817, 871, 844 for 8-panel.

# Technical Information

Our technical information section covers manufacturing limitations and detailed technical drawings. To most people the technical drawings don't make much sense, so if you have any questions our product experts will be more than happy to explain in more detail.

## Technical Specifications

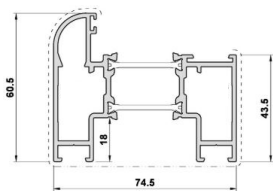
Profile depth: 70mm  
 Typical sight line: 132mm  
 Sill options: 85, 150, 190, 225mm  
 Sill height: 25mm  
 Glazing units: 28mm or 36mm (triple)  
 U-value: 1.4W/m<sup>2</sup>K - 1.7W/m<sup>2</sup>K

## Manufacturing Limitations

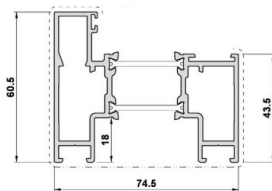
Minimum panel width: 550mm  
 Maximum panel width: 1200mm  
 Minimum panel height: 1200mm / 1750mm if  
 levered handle is required  
 Maximum panel height: 2500mm

## Technical Drawings

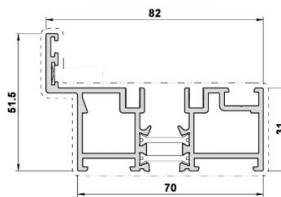
### Main frame



Curved Door Sash

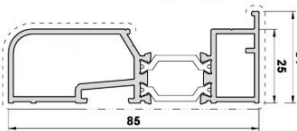


Square Door Sash

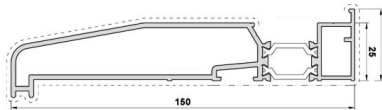


Outer Frame

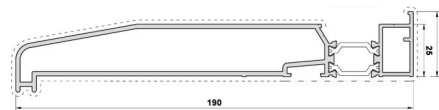
### Sills



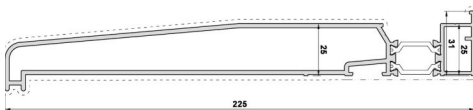
85mm Sill



150mm Sill

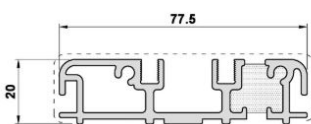


190mm Sill

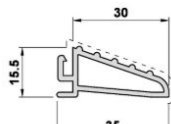


225mm Sill

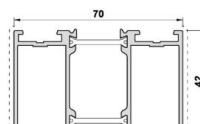
### Ancillaries



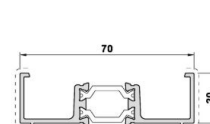
Low Threshold



Threshold Ramp



42mm Frame Extension



20mm Frame Extension

Size restrictions may apply depending on glazing specification, site location and/or profile finish.





The images, drawings and data shown in this brochure are for illustrative purposes only and are not binding in detail, colour or specification. We reserve the right to make changes to the product specification as technical developments dictate and without prior notice.





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