



Contemporary

Aluminium Bi-folding Doors



Visually Stunning

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.



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Slim Frame, Square Sash

SLIM ALUMINIUM FRAME

We use the renowned Visofold 1000 Slim aluminium system which delivers a whole wealth of benefits for the installer and end-user alike. Featuring slim profiles, the sightlines of our slim bifold are only around 122mm, designed to maximise both your views and natural light, an important consideration for any project!

Our bi-fold design allows for large glass panels that can significantly enhance the openness of your living space making it feel more spacious and inviting.

SQUARE SASH FEATURE

The square sash design is a significant upgrade from the previously common curved designs, reflecting customer requests for a more modern look.

This shift to square sashes aligns with contemporary architectural trends, offering a cleaner, more minimalist aesthetic that many homeowners find appealing.



Enjoy, Whatever the Weather

By utilising the latest polyamide thermal barrier technology bi-fold doors are a year-round door solution! 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.

DOUBLE GLAZING AS STANDARD

Our aluminium doors are designed for strength and durability, for minimal maintenance and long-lasting performance. Each door comes with 28mm double-glazed, argon gas-filled units as well as toughened glass as standard. This composition helps reduce heat loss while providing optimal energy efficiency.

The doors also include multiple rubber seals to help make sure that nothing, but sunlight passes through.



TRIPLE GLAZING UPGRADE

For improved insulation, we offer a triple glazing upgrade. Triple glazing involves three layers of glass with two insulating spaces filled with argon gas.

This upgrade is designed to boost thermal efficiency, reduce heat loss and improve sound insulation. It can also keep your home warmer in winter and cooler in summer.

U-VALUES EXPLAINED

The U-value measures the rate of heat transfer through a structure. The lower the U-value, the better the insulation, meaning less heat escapes from your home.

- U-Value (Double Glazed): As low as 1.5W/m²K
- U-Value (Triple Glazed): As low as 1.3W/m²K

The U-value includes both the glass and the frame, so it's important to consider the total U-value to get an accurate picture of the door's overall insulation performance.



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, applied to all independently opening traffic doors, has been accredited with 'PAS 24:2016' status, ensuring a high level of security against forced entry.



ABS MASTER CYLINDER

ABS is our 3-star rated cylinder fitted on all master doors as standard. It's tested by the Master Locksmith Association, passing with the Sold Secure Diamond grade, which is recognised as the highest security standard UK locks can conform to.



LAMINATED GLASS UPGRADE

You have the option of upgrading to acoustic lamination for excellent noise reduction. This upgrade features two 3mm pieces of glass are put together with an interlayer that can act a noise reducing interlayer. A key benefit of laminated glass lies in its safety features. It's designed to stay together if broken, rather than shattering into lots of sharp pieces.

PAS 24 SECURITY UPGRADE

Our comprehensive PAS 24 upgrade will enhance the security of your bifold doors. This upgrade is typically required for doors installed in new builds. Please note that laminated glass is also necessary to achieve full PAS 24 compliance for bifold doors.



Personalise your Panes

It's not just about the door colour and handle finish - there are plenty of other ways to make your bifold doors truly unique. If you're looking for a design that stands out, consider adding Art Deco surface bars or integral blinds.

ART DECO SURFACE BARS

For those seeking an elegant, vintage-inspired design, adding surface bars to bi-fold doors is the perfect way to achieve an Art Deco look. Surface bars create a distinctive grid pattern on the glass, like the geometric styles that defined the Art Deco era. These bars are applied directly to the glass surface, providing the look of traditional divided panes without compromising on the benefits of modern, large glazed panels.



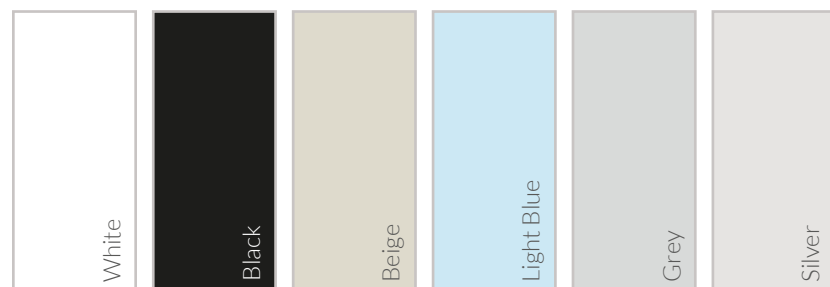
INTEGRAL BLINDS

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



S102

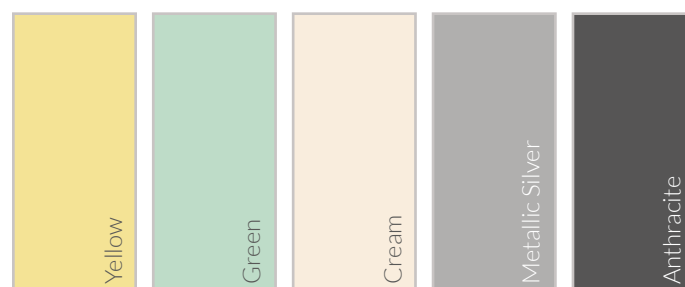
B160

S125

S142

S155

S157



S106

S130

S149

S156

S159

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

Hardware

LEVER / LEVER HANDLES

Our standard bi-folding door handle used on the traffic door is a lever/lever handle. You have the option of choosing the standard rounded balmoreal handle or a more traditional swan handle.



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 handhold for pulling and sliding the doors open and closed. D handles will always be black to match the hinges.



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.



HINGES

The doors feature minimalistic rounded hinges, designed to complement the modern aesthetic of the doors while maintaining a subtle look. These hinges are always finished in black, matching the black D handle, creating a cohesive look across the entire door system.



MAGNETIC CATCH

Our bi-folding doors are available 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 can leave the traffic door open without the fear of it being caught by gentle breezes.

Available in:
White, Black, Chrome,
Anthracite Grey, Satin Silver



STAINLESS STEEL ROLLERS

The doors glide on stainless steel rollers, which allows for unrestricted thoroughfares and maximum use of space and light. The rollers are designed for durability; keep the track clean from debris and these doors will glide, open and close large panels of glass with minimal effort.



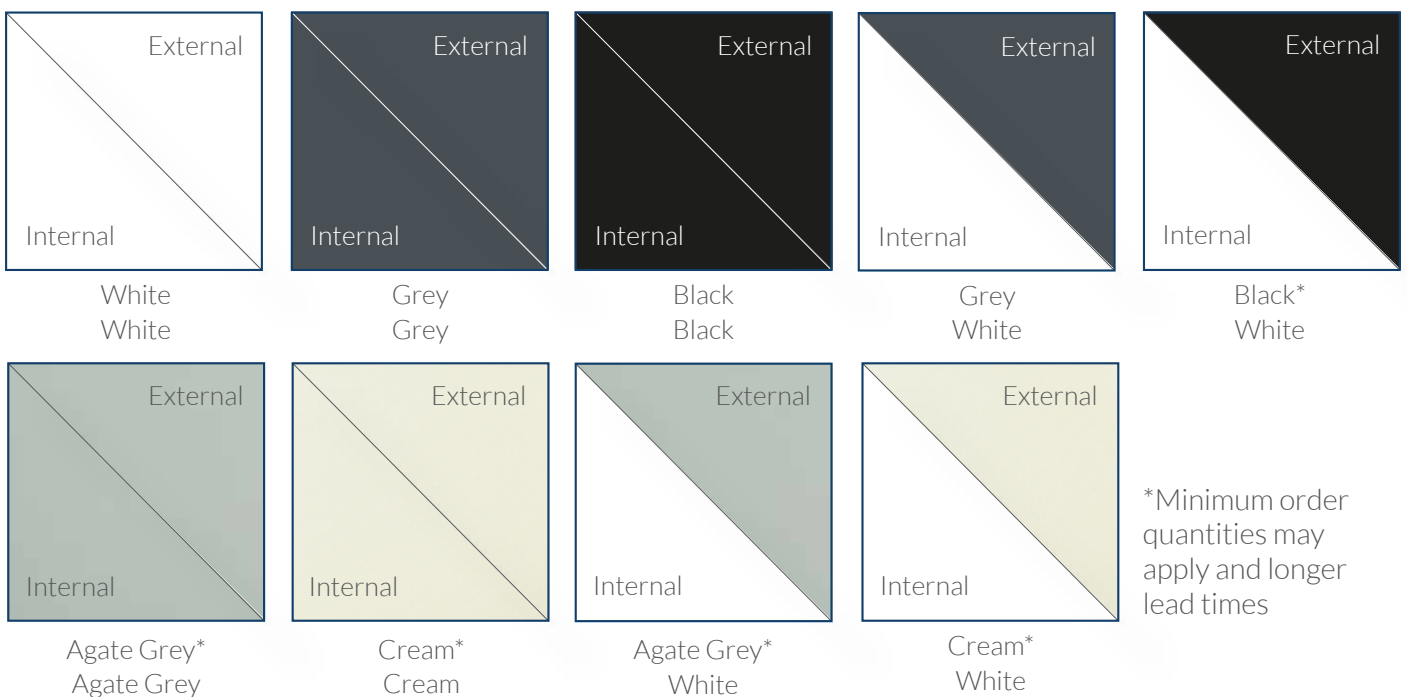
Hardware Colours

Our handles are available in nine stylish finishes, allowing you to choose the perfect match for your bi-fold doors. Whether you prefer a classic or contemporary look, there's a finish to suit every taste. Please note that the Swan Handle is not available in Anthracite Grey.



Colour Options

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 and/or extended lead time. Please get in touch to discuss.



Please note, colours may appear differently in brochures and online images, so they are intended as a guide only.



In or Out, Open or Closed

OPENING OPTIONS

Our bi-folding doors are designed to fit your space perfectly, with the option to open inward or outward. Outward-opening doors are great for larger outdoor areas, creating a smooth transition between indoors and outdoors, ideal for patios or gardens. Inward-opening doors are perfect for smaller spaces, offering the same functionality without taking up outdoor room.

STYLE & FUNCTIONALITY

When closed, our bi-fold doors add a sleek, modern look to your home with a striking glass façade. In warmer weather, simply fold the doors back to let the fresh air and outdoor atmosphere flow inside.

PANEL & SLIDING OPTIONS

We offer a wide range of bi-fold door configurations with 2 to 8 panels, so you can find the right fit for any opening. You can choose doors that slide to the left or right, or even both directions, for maximum flexibility. We also offer a traffic door, available depending on the number of panels, for easy access.

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).

Configuration Code	Diagram
2 Panel Door	
220	
211	
202	
3 Panel Door	
303	
312	
330	
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	

Ventilation Requirements

Proper ventilation is an important consideration for bi-fold doors for compliance with building regulations and to maintain a comfortable indoor environment. Trickle vents are commonly used solutions. We offer two different types to suit your requirements.

FLUSH TRICKLE VENT

The flush trickle vent is discreetly fitted into the door sash to provide continuous, low-level ventilation. Its flush design blends seamlessly with the door's surface, ensuring a clean, modern look that doesn't protrude.



LINK VENT

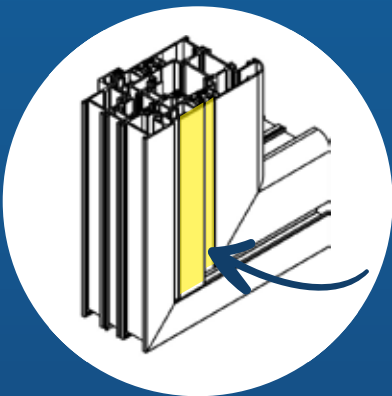
The Link Vent is a sleek and discreet ventilation solution great for aluminium doors. It's fitted into an add-on above the door frame offering efficient airflow without compromising the door's appearance.





Installation Benefits

While bi-fold doors offer numerous benefits in terms of aesthetics and functionality for homeowners, they also come with key advantages for the installer.



ADJUSTABLE JAMB

On door configurations of 4 panels or more, the door will come with an adjustable jamb which can help with making 'squaring' faster in situations where the aperture may not be 100% straight because of imperfect brickwork and/or variations in wall thickness.

Featuring the practical

QUICK GLAZE BEAD

'TAP-IN' BEAD

A key feature is the innovative tap-in bead, supplied cut to size and fitted with co-extruded gaskets that are easy to install. Installers simply need to tap them in, and the glazing is sorted, significantly speeding up the process. With the introduction of the tap-in bead, installers can finally wave goodbye to the time-consuming wedge gasket, making installations quicker and more efficient.



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

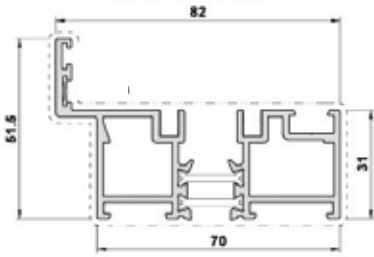
Profile Depth:	70mm
Sightlines:	122mm
Cill Options:	85, 150, 190, 225mm
Cill Height:	25mm
Glazing Units:	28mm or 36mm (triple)
U-Value (Double Glazed):	as low as 1.5W/m²K
U-Value (Triple Glazed):	as low as 1.3W/m²K
Best Energy Rating:	B
Air Tightness:	Class 4
Water Tightness:	Class E750
Wind Load:	Class A4
PAS 24 Security Upgrade:	Yes

MANUFACTURING LIMITATIONS

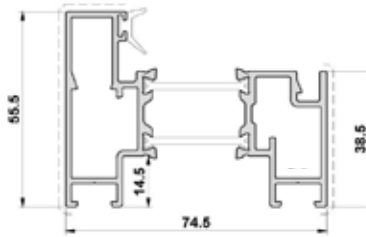
Minimum Panel Width:	550mm
Maximum Panel Width:	1200mm
Minimum Panel Height:	1200mm / 1750mm* <small>*if levered handle is required</small>
Maximum Panel Height:	2500mm



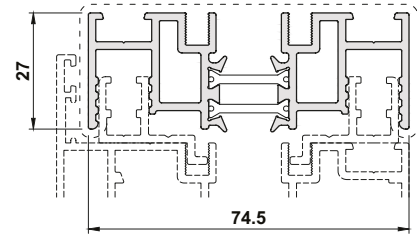
Main frame



Outer Frame & Standard Threshold

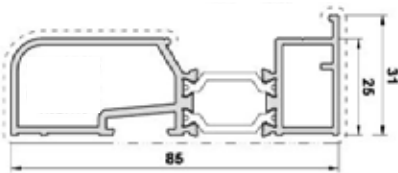


Sash for Quick Bead

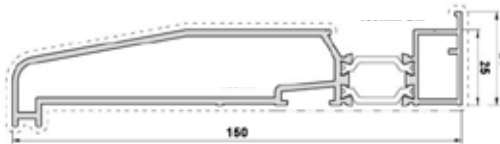


Adjustable Jamb

Cills



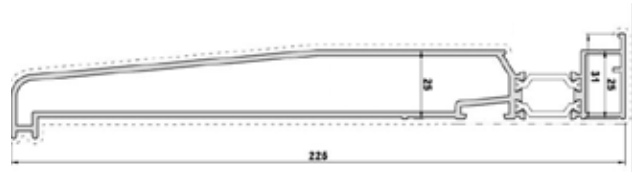
85mm Cill



150mm Cill

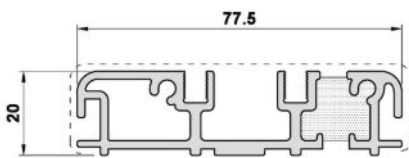


190mm Cill

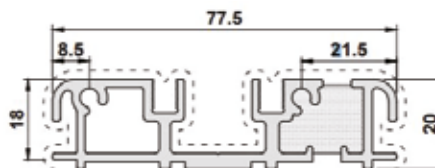


225mm Cill

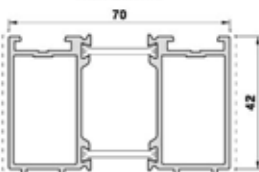
Ancillaries



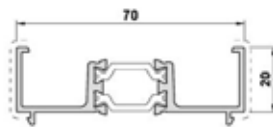
Low Threshold Open In



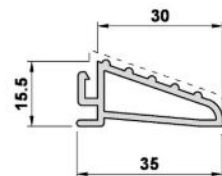
Low Threshold Open Out



42mm Frame Extension
Required with Link Vent
Trickle Vents



20mm Frame Extension



Ramp for Low Threshold

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



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WINDOWS & DOORS

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