



Inspiration | Aluminium Bi-Folding Doors





# Aluminium

## Bi-Folding Doors

### Aluminium, a genuine long life product

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

The modern 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. Fold the sashes back to give a stunning opening that draws the exterior ambience into the comfort of your home.

## Features

**Our bi-folding are designed specifically around quality, endurance and aesthetics.**

The aluminium profiles 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.

Our bi-fold doors  
bring the  
outside, inside



Stainless steel rollers



Curved sashes  
(Square sashes available)



Lever/lever handle



Intermediate shootbolt  
locking handle

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 or style.

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.

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 45 degrees either clockwise or anticlockwise depending on how the door is hinged.

The standard hardware of our modern and aesthetically pleasing bi-folding doors go hand-in-hand with the optional accessories available such as trickle vents and integral blinds used to truly give your bi-fold door that personalised touch.



D handle hinge

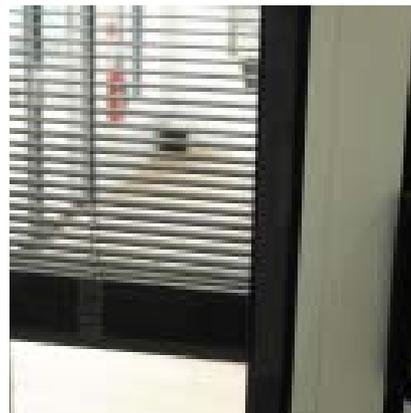


Trickle vent  
(internal view)

Trickle vent  
(external view)



Magnetic catch



Integral blinds

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.

The purpose of the magnetic catch is to ensure that when the traffic door is opened the handle won't make contact with the second door and potentially cause any 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. By adding this feature between the sashes there is no chance at all that the sashes can collide into each other leaving your doors in perfect condition.

Our integral blinds are a no hassle alternative to curtains and internally hung blinds. With the blinds being hermetically sealed inside the glass unit, which means that 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. This is achieved using magnets located on the outer casing of the blind, which you simply slide up and down to operate the different facilities.



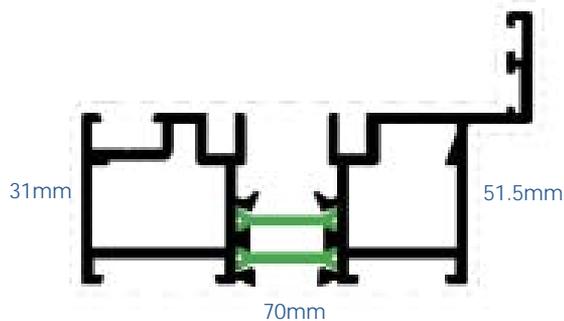
# Thermal Performance

**Our doors include multiple rigid rubber seals and draught excluders to ensure that you get nothing but sunlight passing through your doors.**

## The Visofold aluminium profile system

The Visofold profile system 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.

Glass specification is key when affecting the doors' thermal performance as glass generally accounts for 80% of the surface area of the doors. Each door set carries 28mm double glazed units incorporating softcoat toughened safety glass as standard. The doors are manufactured and tested in accordance with British Standards.



Using standard double glazing the bi-folding door achieves a u-value of  $1.8W/m^2k$ , with u-values as low as  $1.6W/m^2k$  achievable using 36mm triple glazing.

Developed to achieve the best possible thermal performance

The weather tightness of these bi-fold doors have been tested to BS6375 Part 1

## Security

**One of the most important considerations when purchasing 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 domestic locking system

This locking system, which is applied to all independently opening traffic doors has been accredited with 'Secured by Design' status.

Robust locking  
devices ensure  
your home is  
secure



### ATK Diamond grade euro cylinder

ATK is an optional euro cylinder with the Master Locksmith Association's highest rating - SS312 Sold Secure Diamond, TS007 3 star rating, British Kitemark and Secured by Design accreditations. The patented locking cam system of the ATK is proven in the market to effectively combat against lock snapping and forced entry of attack. This lock has 6 trap pins for advance pick resistance and 10 anti-drill pins. The lock comes with dual colour options including polished chrome/brass or matt brass, which indeed does make your bi-folding door stunningly secure.



### Secured by Design

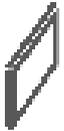
Secured by Design focuses on crime prevention of homes and commercial premises. It promotes the use of security standards for a wide range of applications and products, including our bi-folding doors. Please note that the 'Secured by Design' specification is not standard and must be requested as part of the door specification. Laminated glass must be specified in order to get the Secured by Design accreditation. Laminated 6.8mm glass, which carries acoustic properties is required to attain the SbD accreditation.

Please note that SbD is not available on all door configurations - refer to page 10.



# Door Configurations

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



Identifies single or double opening doors for daily access

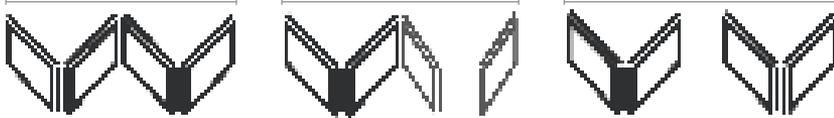
**2 panel door**



**3 panel door (Secured by Design available)**



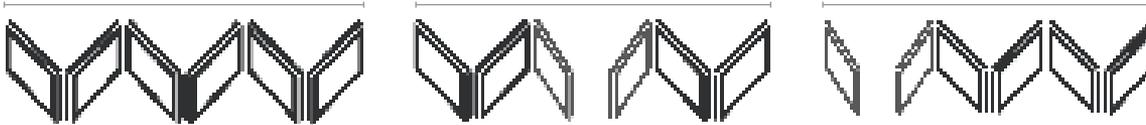
**4 panel door**



**5 panel door (Secured by Design available)**



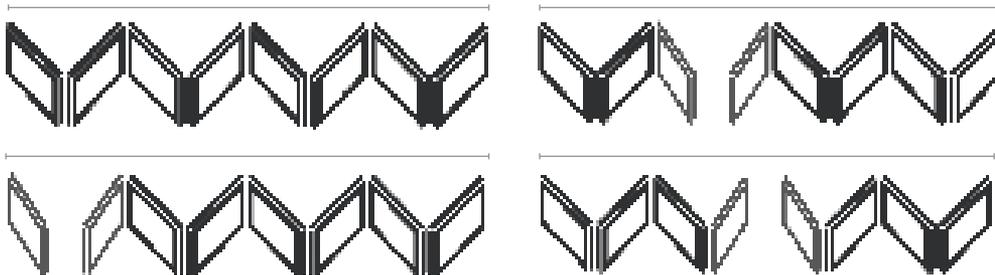
**6 panel door**



**7 panel door (Secured by Design available)**



**8 panel door**



Made to your size,  
specification, and  
configuration





# Door Colours

Our bi-folding doors are available in any colour. We also offer a special colour range called 'Sensations'. Sensation colours offer a unique finish to your bi-folding doors, that will make an individual statement and set your property apart from the crowd. You can also specify a dual colour, meaning that you can have a combination of the colours inside and outside.

## Popular RAL colours

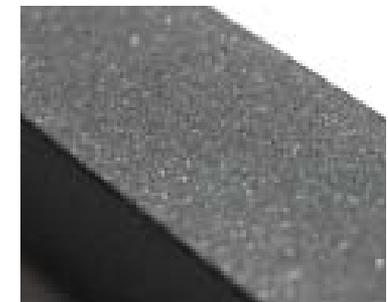


## Additional RAL colours



One door,  
unlimited choice

## Sensation colours

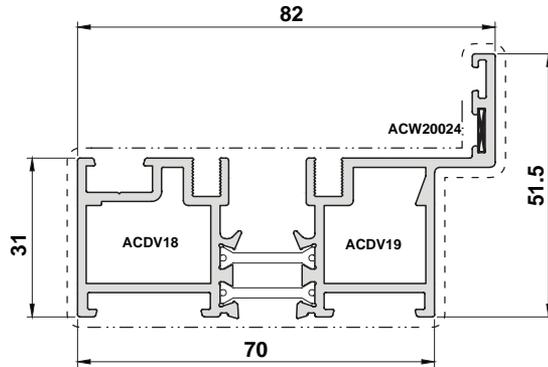


Sensations finish  
up close

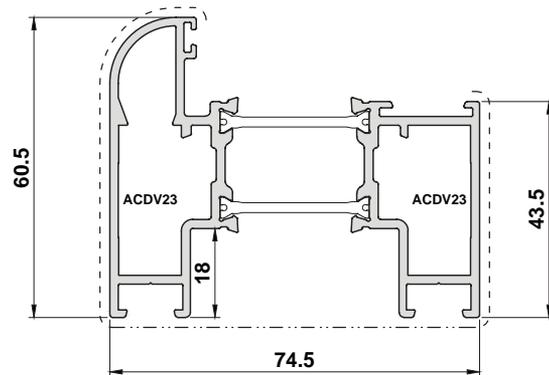
# Technical

## Technical drawings

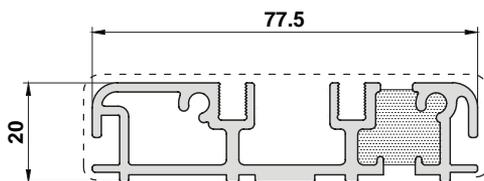
Standard threshold:



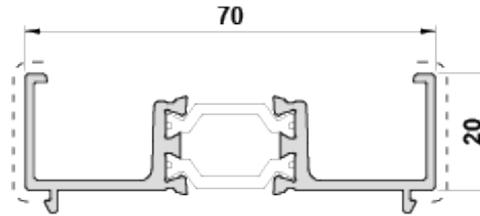
Curved door sash:



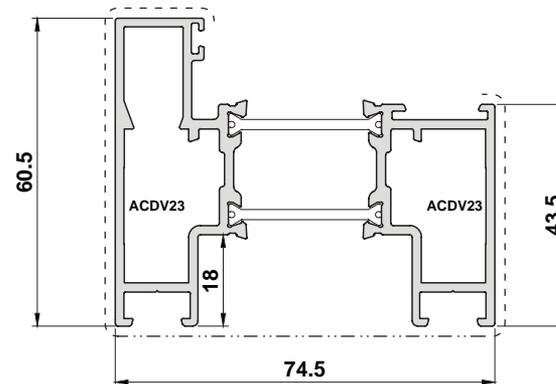
Low aluminium threshold:



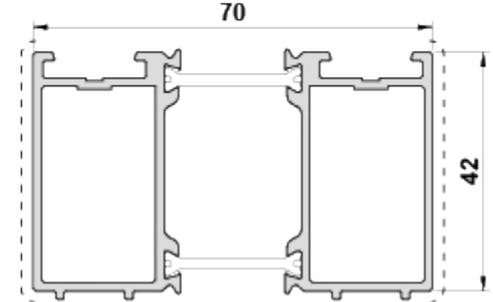
Frame extension option 1:



Square door sash:



Frame extension option 2:



## Dimensions

Profile depth	70mm
Profile width	102.5mm
Typical sight line	132mm
Sill options	85, 150, 190, 225mm
Sill height	25mm
Standard threshold height internal	51.5mm*
Standard threshold height external	31mm*
Max panel width	1050mm
Max panel height	2500mm

\*Threshold sizes are based on open out configuration. Threshold is reversed when opening in.



