

**SUNFLEX UK** 



Aluminium bifold doors





## HIGH PERFORMANCE BIFOLD DOORS

Designed in Germany and installed around the world, the SUNFLEX range of bifold doors has led the market for more than 35 years.

Widely regarded as the most advanced folding door systems available, each SUNFLEX bifold is designed with exclusive features not found on any other manufacturers' doors. With the ability to completely open up an aperture and seamlessly connect inside and out, bifold doors offer the perfect solution for those considering an extension, renovation or new build project; with every set of doors bespoke made to the highest standards by experienced technicians.

Our SUNFLEX bifold door range incorporates versatility, aesthetic appeal, reliability and independently accredited security; whatever the system, design or configuration of door you choose.

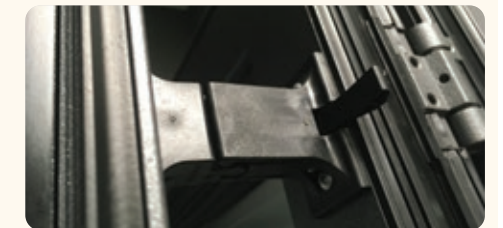
### Peace of mind

Every SUNFLEX bifold door is made by hand in by an expert SUNFLEX fabricator either in the UK or in Germany, peace of mind on attention to detail and manufacturing quality.



### Exclusive antiSLAM technology

There is no need to worry about a SUNFLEX bifold door closing accidentally thanks to our patented locking panel catch that holds the doors in place when opened.



### Contemporary design

Our bifold doors feature incredibly slim frame depths thanks to their advanced design, ensuring they offer slim sightlines from all angles when closed and stack neatly once open.



### Security

SUNFLEX bifold doors carry a number of independent security and quality accreditations including the prestigious Secured by Design™ award, in addition to exceeding the requirements of PAS 24:2016 testing to comply with Building Regulations\*.



### Advanced performance

The attention to detail in the design of our bifold doors can enable them to achieve industry leading weather and thermal performance standards, with U-values from just 0.8W/m²K and superior protection from wind and rain.



### Unique features

From our exclusive weatherSEAL flush track to our contemporary handle that is designed to sit neatly in-line with the frame, SUNFLEX bifold doors are packed full of unique features not found on any other folding door system.



\*The doors must be installed with P1A security glass to meet the requirements of Building Regulations Document Q.



# SF55i BIFOLD DOORS

## Innovative aluminium bifold door

For more than 35 years SUNFLEX has set the standard for the development of bifold doors. This constant innovation has resulted in the contemporary 55mm frame depth of the award-winning SF55i, ensuring the doors look slim from any angle and not just from face on.

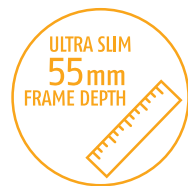
Available with double or triple glazing in straight sets of doors, the SF55i can have panels up to 3m high and up to 1.2m wide, which maximise the light you let into your room.

When the panels are folded open the narrow frame provides a neat stack of doors to maximise your opening.

Designed to be used, the SF55i provides effortless operation on doors that can open inwards or outwards, with a huge range of configurations, from 2 panels to 22 panels, making them perfect for opening up your home and providing a seamless connection to your patio and garden.



See how the SUNFLEX SF55i operates ▶



### Key features

- **Award winning** – Winner of Build It magazine's 'Best Glazed Doors' award.
- **Stunning appearance** – Slender 55mm frame depth, narrow 117mm slim sightlines along with contemporary square edge profiles for stylish look. Whether open or closed you will benefit from this sleek design.
- **Advanced security** – Manufactured with multi-point locking to meet the requirements of PAS 24:2016 and the Secured by Design™ police preferred specification for security.
- **Exclusive antiSLAM technology** – The patented locking panel catch holds the lead door in place when the doors are open, preventing them from being blown shut in the wind or accidentally closed on little fingers.
- **Unique handle design** – Designed with unique in-line handle that sits neatly within the frame of the door, avoiding any obstructions to your view and ensuring a tidy and modern appearance.
- **Colour matched** – The handles and hinges of the SF55i are colour matched to the frame as standard for the most discreet look, drawing your eye to the view through the glass rather than the hardware of the door.
- **A choice of track options** – Choose from our weatherSEAL flush track or the fully weathered track to suit your project and location.
- **Effortless usability** – Designed to be used, the SF55i has ultra-smooth, effortless operation for configurations from 2 to 22 panels and on doors that can open inwards or outwards.

#### SF55s bifold door

With panel sizes up to 3500mm high and industry leading weather performance the SF55s is a high performance alternative for those in exposed locations or seeking oversized doors.

#### SF55c timber-clad bifold door

Combining the performance and maintenance free nature of the SF55i's external aluminium frames with the beauty of natural wood, thanks to stylish internal timber cladding.







## SF55i HERITAGE BIFOLD DOORS

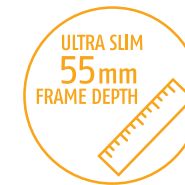
Art Deco inspired aluminium bifold doors

Inspired by the Art Deco style of steel framed windows and doors, the SF55i Heritage combines this traditional appearance with the modern performance and design of aluminium.

The SF55i Heritage bifold doors are the ideal solution for creating the much sought-after look thanks to their narrow 55mm frame depths. Combined with the slim 117mm sightlines and square edged profile the system is easily capable of creating the slender look that the Art Deco style is associated with.

Unlike traditionally forged steel doors and windows, the SF55i Heritage is manufactured from thermally broken frames, which enable the doors to meet the thermal performance requirements of Building Regulations; making them ideal for both period property renovations and to add character to contemporary new-build homes.

With the ability to slide the doors to the end to create completely unobstructed openings, the SF55i Heritage matches the Art Deco style when closed with the advantages of a seamless connection between inside and out when the doors are open.



### Key features

- **Traditional appearance, modern performance** – The SF55i Heritage combines all the performance of SUNFLEX bifold doors with the appearance of Art Deco style steel doors.
- **Seamless connection** – With the ability to stack the panels to the side, the SF55i Heritage bifold doors can be opened up completely to provide an uninterrupted connection between inside and out, seamlessly extending your living space out into the garden.
- **Exclusive antiSLAM technology** – Like all SUNFLEX bifold doors, the SF55i Heritage features antiSLAM technology thanks to the patented locking panel catch that holds the lead door in place when the doors are open.
- **Advanced security** – Manufactured with multi-point locking to meet the requirements of PAS 24:2016 and the Secured by Design™ police preferred specification for security.
- **A choice of track options** – Choose from our weatherSEAL flush track or the fully weathered track to suit the exact requirements and location of your project.
- **Quality assured** – The SF55i Heritage doors incorporate more than three decades of folding door experience and are manufactured to the highest standards of quality.
- **Advanced design** – With advanced engineered running gear, the SF55i Heritage operate effortlessly with panel sizes up to 1100mm wide and 3000mm high, in systems from 2 to 22 panels and a huge range of configuration options.



# SF75 BIFOLD DOORS

Ultra-thermally efficient bifold doors

The SUNFLEX SF75 bifold doors have been specifically engineered to offer ultra-thermal efficiency and industry leading weather proofing.

The system can achieve incredibly low U-values from just 0.8W/m<sup>2</sup>K† making them suitable for Passivhaus standard homes, whilst maintaining the narrow 115mm sightlines, contemporary appearance and large panel sizes that SUNFLEX folding doors are renowned for.

Designed specifically to accommodate a triple-glazed unit, the SF75 benefits from the same attention to detail in design as the rest of the SUNFLEX bifold door range, including the patented antiSLAM panel catch technology and weatherSEAL flush track detail.

In addition to incredible thermal and weather performance the SF75 also carries the prestigious police backed Secured by Design™ award and PAS 24:2016 security testing standards.



As seen on  
**GRAND  
DESIGNS**



See how the SUNFLEX SF75 operates ▶



## Key features

- **Advanced thermal efficiency** – Incredibly low U-values from just 0.8W/m<sup>2</sup>K† when triple glazed, thanks to patented multi-chamber thermal break.
- **Unrivalled weather performance** – An innovative gasket design enables the SF75 to achieve industry leading, independently certified protection from wind and rain – perfect for exposed or rural locations.
- **Stunning appearance** – Compact frame depths of just 75mm, narrow 115mm sightlines and panels up to 1,200mm wide and up to 3,500mm high.
- **Advanced security** – Manufactured with multi-point locking to meet the requirements of PAS 24:2016 and the Secured by Design™ police preferred specification for security.
- **Attention to detail** – Manufactured in Germany with more than three decades of folding door design and experience to provide complete peace of mind and superior quality.
- **Exclusive antiSLAM technology** – The patented locking panel catch holds the lead door in place when the doors are open, preventing them from being blown shut in the wind or accidentally closed on little fingers.
- **Wide range of configurations** – Can be manufactured to open inwards or outwards, in configurations from 2 to 22 panels and can also be designed to incorporate completely open corners.
- **A choice of track options** – Choose from a fully weathered track for the ultimate protection or opt for our weatherSEAL flush track to create a seamless transition between inside and out.
- **Unique handle design** – Designed with unique in-line handle that sits neatly within the frame of the door, avoiding any obstructions to your view.

### SF75c timber-clad bifold door

The SF75c utilises the SF75's ultra-thermally efficient aluminium frame and incorporates slender timber cladding on the internal frame of the door to provide a stunning appearance.



† Please see page 14 for further thermal efficiency information.





## OPEN CORNER BIFOLD DOORS

Create stunning open corners

The ability to completely open up the corner of an extension or self-build can totally transform a project and our SUNFLEX doors pioneered the moveable post technology that makes it possible.

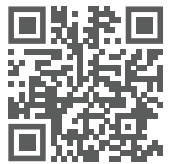
SUNFLEX bifold doors that open corners have been supplied and installed around the world for more than 35 years. This experience and knowledge provides complete peace of mind to enable you to create a real design statement in your home.

When corner bifold doors are closed the slim sightlines and contemporary square edge profile provides a stylish appearance, but when the doors are opened up completely, the moveable corner post technology really comes into its own.

With a completely unobstructed corner, the divide between inside and out is seamless, providing you with an uninterrupted and panoramic view out into your garden and beyond.



See how open corner bifold doors operate ▶



### Key features

- **Panoramic views** – The ability to open up a corner of your home completely allows you to create stunning panoramic views out, breaks down the boundaries between inside and out and create a real wow-factor design.
- **A choice of system** – Our open corner bifold doors can be manufactured from our SF55s or SF75 aluminium doors or from our SF55c or SF75c timber-clad aluminium systems.
- **Customisable configurations** – Our open corner bifold doors can be configured with 90° (external), 135° (internal) or bespoke angled corner and with a choice of the number of panels on either side of the corner.
- **Tried and tested quality** – Developed with more than 30 years of folding door design, our corner open bifold doors have been tried and tested over time to provide complete peace of mind.
- **Advanced security** – Manufactured with multi-point locking, including a fully locking corner post, to meet the requirements of PAS 24:2016 and the Secured by Design™ police preferred specification for security.
- **A choice of track options** – Choose from a fully weathered track for the ultimate protection or opt for our weatherSEAL flush track to create a seamless transition between inside and out.
- **Exclusive antiSLAM technology** – As with all SUNFLEX bifold doors, our open corner sets feature a patented locking panel catch holds the lead door in place when the doors are open, preventing them from being blown shut in the wind or accidentally closed on little fingers.
- **Large panels, slender frames** – Our corner bifold doors can be designed with individual panels up to 1200mm wide and up to 3500mm high, which along with slender frames and slim sightlines enable you to maximise the amount of glass in each panel.



# SF55s FRENCH DOORS

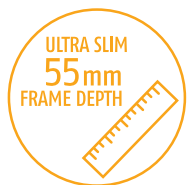
Slender framed aluminium French doors

The slim frames of the SF55s doors lend themselves perfectly to be manufactured as French doors, either in standard design or with heritage style bars and as standalone sets or with sidelight windows.

In French door configurations the stunning appearance of the SF55s is highlighted, with narrow frame depths that provide a slight appearance from any angle.

With panels up to 3.0m high and up to 1.2m wide, the SF55s provides a stylish solution for those seeking to maximise the amount of glass and when installed as French doors the system enjoys the same thermal and advanced weather performance standards.

The versatility of the SF55s system allows the doors to be designed with fixed sidelight windows or integrated alongside dummy sashes to provide a consistent appearance to match the frames of the doors.



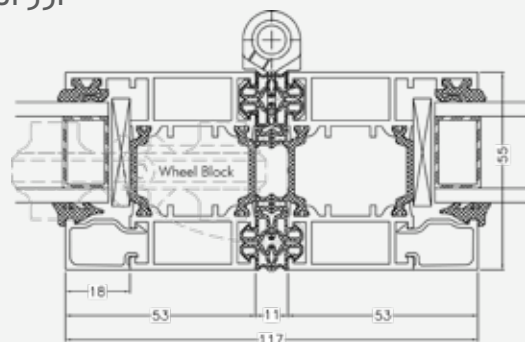
## Key features

- **Stunning appearance** – Slender 55mm frame depths and narrow sightlines maximise the amount of light let into your home.
- **Large panel sizes** – The largest panel sizes of any aluminium French door system on the market. The SF55s can be designed with panels up to 3.0m high and up to 1.2m wide.
- **High performance** – Aluminium French doors designed to the same exacting standards of quality and performance as our SUNFLEX bifold doors.
- **Integration possible** – The SF55s can be designed with sidelight windows in either fixed frames or dummy sash styles, and even integrated alongside glass-to-glass corners or large picture windows for larger apertures.
- **Art Deco inspired style** – As with the SF55i Heritage, the SF55s French doors can be designed to include horizontal bars on the glass to match the appearance of traditional steel doors.
- **Advanced security** – Manufactured with multi-point locking to meet the requirements of PAS 24:2016 and the Secured by Design™ police preferred specification for security.
- **Unique handle design** – Designed with unique in-line handle that sits neatly within the frame of the door, avoiding any obstructions to your view.
- **A choice of track options** – Choose from our weatherSEAL flush track or the fully weathered track to suit your project and location.

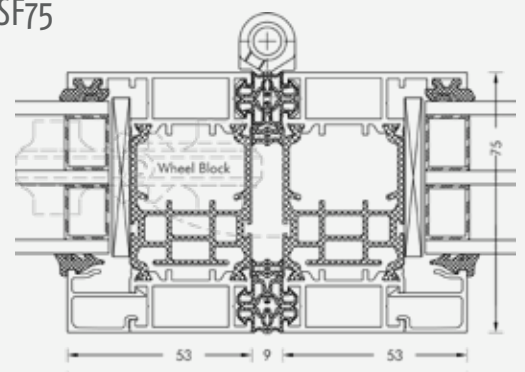


## CROSS SECTION DETAILS

### SF55i



### SF75



## TABLES

### U-Values

System	Glazing Specification	Overall system U-value†
SF55i	Double glazed	from 1.4 W/m²K
SF55s	Triple glazed	from 1.1 W/m²K
SF55i heritage	Triple glazed	from 1.1 W/m²K
SF55s French doors	Triple glazed	from 1.1 W/m²K
SF75	Double glazed	from 1.1 W/m²K
	Triple glazed	from 0.8 W/m²K

† The overall U-value achievable by the system is dependent on glass specification.

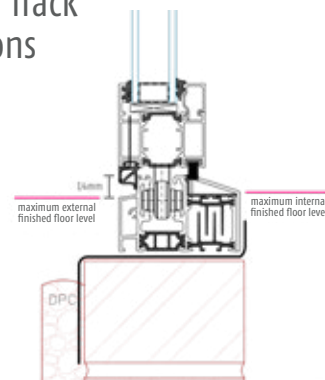
### Weather Performance

System	Air permeability BS EN 12207*	Water tightness BS EN 12208*
SF55i	to 600 Pa	to 450 Pa
SF55i heritage	Class 4	Class 8a
SF55s French doors	Class 4	Class 8a
SF55s	to 600 Pa	to 900 Pa
SF75	Class 4	Class 9a

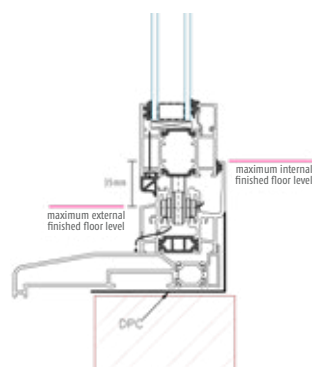
\* Weather performance is dependent upon a number of factors including track option, system configuration and panel sizes.

## TRACK OPTIONS

### SF55i Track options

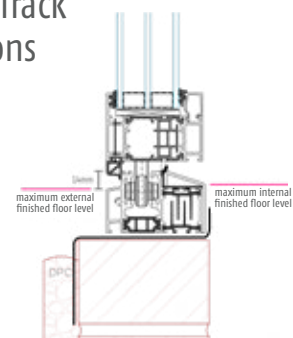


weatherSEAL flush track with no sill

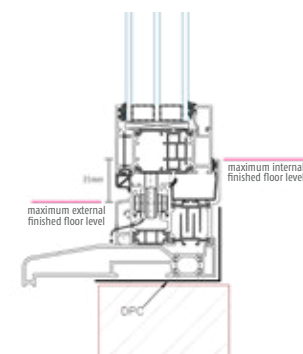


Weathered track on sill

### SF75 Track options



weatherSEAL flush track with no sill



Weathered track on sill

## COLOURS

We have chosen the most popular colours as stocked finishes for each system or select from more than 200 bespoke RAL colours and finishes to personalise your doors.

For the SF55i and SF55i Heritage doors you can choose Graphite Black RAL 9011 matt, Slate Grey RAL 7015 matt or Anthracite Grey RAL 7016 matt as standard colours. For the SF55s, SF75, SF55s French doors and open corner sets the standard colours are Silver Anodised EV1, Anthracite Grey RAL 7016 semi-gloss, Grey Aluminium RAL 9007 semi-gloss, White Aluminium RAL 9006 semi-gloss or Traffic White RAL 9016 semi-gloss.

There is also the option to have different colours on the interior and exterior sides of the doors, which is perfect if you are trying to match interior décor and contrast with external render, cladding or brickwork.

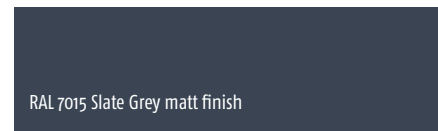
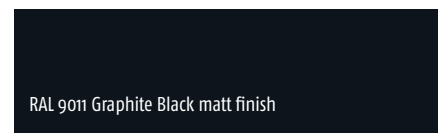


## HANDLES

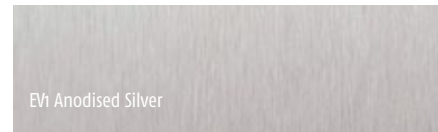
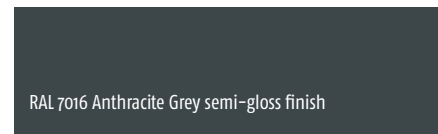
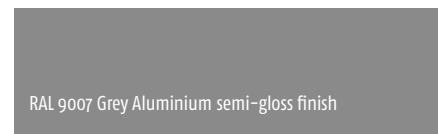
The handle design on SUNFLEX bifold doors is completely unique. The colour matched in-line handles are designed to sit neatly within the frame of the door, creating a stylish appearance and avoiding any obstructions to your view out through the glass.



### SF55i / SF55i Heritage standard colours



### SF55s / SF75 / SF55s French doors and open corner set standard colours





Bifold doors

Sliding doors

Heritage doors

Aluminium windows

Glass roofs

Front doors

Internal glass partitions

Commercial doors

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