
SUNFLEX UK
Bifold doors
EST 1989
Sapphire
Windows & Doors



SUNFLEX UK

INDUSTRY LEADING BIFOLD DOORS.

DESIGNED IN GERMANY.

The award-winning SUNFLEX SF75eco aluminium bifold door has been developed with almost 40 years of experience. Today our premium quality bifolds set the standard for advanced thermal efficiency, superior weather protection and are packed full of exclusive design features not found on any other folding door.

Every set of SUNFLEX bifold doors are custom made in-house by expert fabricators to your exact requirements, ensuring the highest standards of quality and performance.

Build It AWARDS 2023 WINNER Best Glazed Doors

Real Homes Awards 2023 WINNER



KEY FEATURE 1

THERMAL EFFICIENCY





ECO-FRIENDLY KEEPING THE INSIDE IN

Whilst you'll dream of warm sunny days and opening your bifold doors up to step out on the patio, we know that when the doors are closed keeping your home warm and comfy is just as important. That is why we have designed SUNFLEX aluminium bifold doors to offer industry leading thermal performance standards.

The unique frame design of the SF75eco allows for better thermal performance with double glazing that other bifold doors can achieve with triple glazing, with the system even capable of achieving Passivhaus standards of efficiency.

Thermal performance	
Triple glazed	from 0.8W/m^2K with 0.5W/m^2K glazing
Double glazed	from 1.2W/m^2K with 1.0W/m^2K glazing

See why our doors are so efficient ▶



KEY FEATURE 2

WEATHER TIGHTNESS





KEEPING THE OUTSIDE OUT

When it comes to bifold doors it is not just about keeping the warmth in, it is also about keeping the weather out which is why our bifold doors undergo rigorous independent weather testing in laboratory conditions to test their protection against air, water and wind.

Thanks to double rebated seals, not often seen on a bifold, the SF75eco can be designed to offer industry leading protection from the elements, ideal for everyone but particularly important for those in rural or coastal locations.

Water tightness	To 900Pa (Class 9a)* BS EN 1027
Air permeability	To 600Pa (Class 4)* BS EN 1027
Wind load	To 2000Pa (Class 5B)* BS EN 12211

See how our doors keep drafts out ▶

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



KEY FEATURE 3

SECURITY





COMPLETE PEACE OF MIND

Keeping your home safe is at the core of the design of SUNFLEX bifold doors. With minimal hinge design and a multi-point locking system with shoot-bolts that extend into the top and bottom of the track and espagnolette locks securing the lead door in place.

Our bifold doors are all designed to comply with the stringent **PAS 24** testing standards in order to meet the security requirements of **Building Regulations Document Q***.

See how our doors keep you safe ▶

*The doors must be installed with P1A security glass to comply





KEY FEATURE 4

LOCKED PART VENT

The innovative design of SUNFLEX bifold doors means they are capable of achieving things that no other folding door can; one example is the part-vent position.

Without opening the main door, it is possible to turn the handle on one of the intermediate doors, partially opening the panels outwards to allow for ventilation – without needing to fully open a door*.

* Availability dependent on configuration

See how the part-vent operates ▶





See how the panel catch works ▶



A panel catch that holds the doors open is a crucial part of any bifold door, whilst some systems use a basic magnet, the exclusive SUNFLEX antiSLAM panel catch has been perfected over almost 40 years of research and development. The innovative catch holds the lead panel in place as the doors are folded open, preventing the panels from accidentally slamming shut in the wind and keeping you, and the door system itself, safe.

The innovative catch also ensures the doors are operated correctly, protecting the hinges and hardware and ensuring the doors continue to operate perfectly, time-after-time, year-after-year.



KEY FEATURE 5

UNIQUE LOCKING PANEL CATCH

KEY FEATURE 6

HANDLE DESIGN





HIDDEN IN PLAIN SIGHT

The SUNFLEX bifold door handle is one of the exclusive features that really shows the attention to detail that has gone into the development of the system.

Whilst most other bifold doors use a basic back-door handle, the exclusive colour-matched in-line SUNFLEX handle is designed to sit completely within the outline of the frame – whether it is opened or closed. This ensures that you get more view through the glass with less interruption.

See how the in-line handle works ▶



KEY FEATURE 7

TRACK OPTIONS





EXCLUSIVE THRESHOLD DESIGN OPTIONS

As you would expect from a SUNFLEX bifold door, the track options feature clever design that combine functionality with real attention to detail. Uniquely our innovative low-threshold track matches a flush appearance with an effective weather seal, allowing you to create a stunning seamless transition between inside and out whilst still offering protection from drafts and rain.

For those seeking the optimum in protection from the elements the weathered track is a double rebated design where both the front and back of the panels seal against the track, perfect for even the most exposed locations.

Learn more about our track options ▶



KEY FEATURE 8

YOUR DOORS YOUR WAY



Bifold window with window seat



SF75eco with 3m tall panels

THE WIDEST CHOICE OF DESIGN OPTIONS

Whether it is the number of panels, the way the doors open or even just the colour of the frames, SUNFLEX bifold doors come with the widest range of configurations and design options of any folding door on the market.

From open corners to curved sets, to doors with integral blinds within the glass (even with triple glazing) or fitted alongside insect screens, we customise your doors to the exact specification of your project, not to the limitations of the system, ensuring you get the finished installation your home deserves - your doors, your way.

See more about the design options ▶

Bifold doors with internal insect screens



SF75eco BIFOLD DOORS

Ultra-thermally efficient bifold doors





The SUNFLEX SF75eco 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/m²K† making them suitable for Passivhaus standard homes, whilst maintaining the slender 117mm sightlines, contemporary appearance and large panel sizes that SUNFLEX folding doors are renowned for.

Designed specifically to accommodate effective triple glazing or double glazing, the SF75eco benefits from almost 40 years of bifold door research and development and is packed full of unique features, including the patented antiSLAM panel catch technology and weatherSEAL flush track detail.

In addition to incredible thermal and weather performance the SF75eco also carries the prestigious PAS 24 security testing standard.

See how the SUNFLEX SF75eco operates ▶

† Thermal performance is dependent on glass specification.

KEY FEATURES

- **Award winning**
  Named 'Best Glazed Door' by Build It magazine because of the systems' quality and design.
- **Advanced thermal efficiency**
  Incredibly low U-values from just 0.8W/m²K† when triple glazed, thanks to patented multi-chamber thermal break.
- **Unrivalled weather performance**
  An innovative gasket design enables the SF75eco 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, slender 117mm 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 testing in order to comply with the security standards of Building Regulations Document Q.
- **Attention to detail**
  Designed in Germany with almost four 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 folded 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 1 to 22 panels and can also designed to incorporate curved sets or completely open corners.
- **A choice of track options**
  Choose from a fully weathered track for the ultimate protection or opt for our low-threshold track to create a seamless transition between inside and out.
- **Unique handle design**
  Designed with unique in-line handles that sit neatly within the frame of the door, avoiding any obstructions to your view.



AWARD WINNING

THERMAL PERFORMANCE

PAS 24
APPROVED SECURITY

ADVANCED WEATHER PROTECTION

antiSLAM
PANEL CATCH

EXCLUSIVE
IN-LINE
HANDLE

CASE STUDY



Lincolnshire home becomes star of Grand Designs

Tucked away on a quiet country lane in the heart of the Lincolnshire Wolds, the plot of land that would go on to become Foxes Maltings seemed an unlikely choice for budding self-builders Giuliano and Zara – let alone the star of the latest series of Grand Designs.



Learn more about this and other projects ▶

Location: Lincolnshire

Product/s: SUNFLEX UK SF75eco bifold doors, SVG20 ultra-slim sliding doors, SAF aluminium windows and glazed doors.

SUNFLEX UK Distributor: Park Farm Design

Project Architect: Lincs Design Consultancy

After rediscovering the value of outdoor space during the COVID pandemic, Giuliano and Zara decided to leave Berkshire behind. With no geographical ties and remote-friendly jobs, they seized the chance to relocate - and build their dream home from the ground up under the watchful eyes of Kevin McCloud and the Grand Designs cameras.

They found the perfect plot online: a site with history, once home to a 17th-century malt house. That heritage became the inspiration. Their self-build, a long and narrow structure spanning the plot's width, nods to the past while pushing design into the future.

Facing the road, the house appears traditional - handmade buff bricks and crisp, linear windows. But at the rear, facing south, it transforms. This is where the couple leaned into their passion for light and modern design.

"We'd lived in older houses and always craved more light," says Zara. "The narrow footprint and open-plan layout gave us the chance to design something totally focused on that."

At the heart of the home are two enormous picture windows - each a single pane of glass over 14 square metres - framed in Cor-Ten steel. Positioned at the first floor in a double-height entrance hall, they offer sweeping countryside views.

"We could've saved money by dividing the glass, but that was one design choice we weren't willing to compromise on," says Giuliano.

Each pane weighs over 750kg. The design, delivery, and installation were managed by SUNFLEX UK distributor Park Farm Design - one of the only glazing firms that could handle glass at this scale.

"We spent a lot of time working through options with their technical team," Giuliano explains. "But the SUNFLEX system made it possible to keep our vision intact."

To one side of the central core is a large, open-plan kitchen built for entertaining. A 7-panel set of SF75eco aluminium bifold doors connects it to a patio and outdoor kitchen. The transition is seamless.



> "Given the size of the doors it was important that we had a high quality system and the SF75eco from SUNFLEX was ideal – you can tell so much from how they feel and operate as to the quality and the design that has gone into them"



"With those doors, we knew we wanted bifolds in the kitchen because we wanted to be able to open them up and extend out on to the patio," says Zara. "We looked at so many different doors but trying the SUNFLEX ones, you can feel the quality when you use them - it's in the details."

On the opposite side of the central hall, a dramatic double-height living room anchors the design. Originally planned with more upstairs bedrooms, they revised the layout to prioritize volume and light. The space is fronted by a 3-panel set of SUNFLEX SVG20 sliding doors with oversized fixed glazing above.

"We wanted to maximize that indoor-outdoor connection - even when the doors are shut," Giuliano says.

This is a home where glass isn't just a feature - it's the foundation of the whole experience. ■

OPEN CORNER BIFOLD DOORS

Create stunning open corner designs





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 with open corners have been supplied and installed around the world for almost 40 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.
- **Customisable angles**
  Our open corner bifold doors can be open in, open out, 90°, 135° or even bespoke angled corners to enable you to incorporate doors that perfectly suit your home.
- **A choice of configurations**
  When it comes to configurations the advanced design of SUNFLEX open corner bifold doors mean you can have any number of panels either side of the corner.
- **Tried and tested quality**
  Developed with almost four decades 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 testing in order to comply with the security standards of Building Regulations Document Q.
- **A choice of track options**
  Choose from a fully weathered track for the ultimate protection or opt for our low-threshold track to create a seamless transition between inside and out.
- **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.
- **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.



PANORAMIC VIEWS

QUALITY ASSURED

antiSLAM PANEL CATCH

THERMAL PERFORMANCE

PAS 24 APPROVED SECURITY

weatherSEAL FLUSH TRACK

HERITAGE BIFOLD DOORS

Art Deco inspired aluminium bifold doors





Inspired by the Art Deco style of steel framed windows and doors, the SF75eco Heritage combines this traditional appearance with the modern performance and design of aluminium.

The SF75eco Heritage bifold doors are the ideal solution for creating the much sought-after look thanks to their sleek 75mm 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 SF75eco 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 SF75eco 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 SF75eco Heritage combines all the performance of SUNFLEX bifold doors with the appearance of Art Deco style steel doors.
- **Customise your design**
  Choose how many horizontal bars across the glass you want and how you want them spaced.
- **Seamless connection**
  With the ability to stack the panels to the side, the SF75eco 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 SF75eco 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 testing in order to comply with the security standards of Building Regulations Document Q.
- **A choice of track options**
  Choose from our low threshold track or the fully weathered track to suit the exact requirements and location of your project.
- **Quality assured**
  The SF75eco Heritage doors incorporate almost four decades of folding door experience and are manufactured to the highest standards of quality.
- **Advanced design**
  With advanced engineered running gear, the SF75eco Heritage operate effortlessly with panel sizes up to 1200mm wide and 3500mm high, in systems from 1 to 22 panels and a huge range of configuration options.
- **Matching windows & doors**
  The SUNFLEX UK Heritage range includes aluminium windows, doors and internal glazing solutions to complement the design of the bifold doors.



ART DECO STYLE

PAS 24 APPROVED SECURITY

ADVANCED WEATHER PROTECTION

antiSLAM PANEL CATCH

THERMAL PERFORMANCE

EXCLUSIVE IN-LINE HANDLE

CURVED BIFOLD DOORS

Design incredible sweeping curves



KEY FEATURES

- **Inward or outward curve**
  Choose from doors that all fold to one end of the opening or meet in the middle and fold to each side with sets up to 22 metres wide and up to 3.5 metres high.
- **Technically advanced**
  SUNFLEX bifold doors are high quality, technically advanced systems, ideal for creating curved sets.
- **Flat panels, curved sets**
  Faceted bifold doors are created utilising flat and angled connectors which come together to create curved sets of doors.
- **40 years' experience**
  SUNFLEX has been creating curved bifold door configurations for almost four decades, meaning whatever design you require you are in safe hands.
- **Wow-factor design**
  Curved sets creates a real `wow' factor for projects, seamlessly matching the aesthetic of the home.
- **Outstanding performance**
  The SF75eco carries its superior thermal performance standards through even when installed in faceted designs.

CURVED DESIGNS

ADVANCED ENGINEERING

QUALITY ASSURED

THERMAL PERFORMANCE

PAS 24
APPROVED SECURITY

EXCLUSIVE IN-LINE HANDLE



The versatility and design innovation of SUNFLEX bifold doors is perfectly illustrated by the SF75eco curved (or faceted) bifold doors. Ideal for homes with sweeping curves, faceted bifold doors mean the design aesthetic of your home doesn't need to be compromised to accommodate straight sets of doors.

Whether you require a set of doors that curves inwards (concave) or outwards (convex), the SF75eco can be configured to your exact requirements, and we can provide detailed technical information to support the initial concept, turning an idea into a practical and achievable design.

See how faceted bifolds operate ▶



BIFOLD WINDOWS

All the benefits of doors, but as a window





An increasingly popular option in recent years, bifold windows offer an innovative solution for those seeking to maximise the amount of window they can open – whether that be from an open plan kitchen to provide a connection with the patio or from a loft conversion to provide views over the roof tops.

With their ability to stack neatly at one end, or to open from the centre to stack both sides, bifold windows can create a real statement of design and help breakdown the boundaries between inside and out.

The subtlety of the SF75eco hardware, with the colour matched hinges and the handles in-line with the frames makes it the perfect option for a bifold window.

See how bifold windows operate ▶

KEY FEATURES

- **Versatile design**
  Can be designed to open inwards or outwards, with individual panels from just 900mm tall and up to 1.2m wide.
- **Exclusive door and window combination**
  The SF75eco bifold window can be incorporated alongside a full-height bifold door, creating a post-free opening that can extend the full with of the aperture.
- **Advanced security**
  Manufactured with multi-point locking to meet the requirements of PAS 24 testing in order to comply with the security standards of Building Regulations Document Q.
- **Exclusive antiSLAM technology**
  As with full height panels, bifold windows can incorporate a patented locking panel catch that prevents the window from being blown shut by the wind.
- **Unique handle design**
  Designed with unique in-line handles that sit neatly within the frame of the door, avoiding any obstructions to your view.



COMPLETE OPENING

DOOR & WINDOW COMBO

THERMAL PERFORMANCE

BRING THE OUTSIDE IN

PAS 24 APPROVED SECURITY

antiSLAM PANEL CATCH



CASE STUDY

Eye-catching new build

on the edge of the South Downs

Designed by architect Carl Leroy-Smith and built by Westcott Construction, this striking new-build house with double pitch roof has created a bright and contemporary family home on the edge of the South Downs National Park.



Learn more about this and other projects ▶

Location: Hampshire/Sussex border

Product/s: SUNFLEX S75eco aluminium bifold doors

Project Architect: Carl Leroy-Smith

Main Contractor: Westcott Construction



Set in a quiet village, the plot had sat empty for years, occupied only by a disused bungalow. When the new owners acquired it, they commissioned architect Carl Leroy-Smith to design a home that embraced open-plan living and natural light.

The result is a bold, contemporary design that maximizes the site's rural setting. A steel-framed structure with a double-pitched roof allows for vast, uninterrupted interior spaces. Full-height glazed façades on both ends of the home flood it with light and frame expansive views of the countryside.

To soften the scale, the house is cleverly staggered. The northern wing extends forward into the garden, opening up panoramic vistas from both the master bedroom and the main living area. The southern side projects back, seamlessly connecting the kitchen and dining space with the rear patio and tiered garden. Indoors and outdoors blur together, with boundaries intentionally erased.

Attention to detail runs throughout. The bifold doors on the ground floor and the windows above were precision-engineered so that their frames align perfectly, continuing up into the gable ends in sleek, symmetrical lines.

At the rear, a matching glass façade on one wing enables a full front-to-back walkthrough when both sets of bifold doors are open - a striking architectural move that enhances flow and connection.



> The SUNFLEX bifold doors ticked all the boxes, it wasn't just that they looked good and were able to achieve the look we wanted, it was also the fact that we knew we were buying a quality door system that would last.



The doors themselves are SUNFLEX SF75eco, chosen not just for looks but performance. With industry-leading thermal insulation, they outperform many triple-glazed systems - even when double glazed. The slim aluminium frames also allowed for more glass and more light—critical, given the limited number of side windows in the kitchen.

"The SUNFLEX bifold doors ticked all the boxes," the owners explain. "They delivered the exact aesthetic we wanted, but more importantly, they matched the quality and precision we were aiming for in every detail of the house."

A continuous tiled floor runs from the front patio through the house and out to the garden behind. Creating a seamless transition was key. The exclusive low-threshold track of the SF75eco doors enabled a smooth, step-free passage while maintaining a weather-tight seal - crucial for a home in a rural setting exposed to the elements.

This is a home built not just to impress, but to function flawlessly - where design, engineering, and landscape all align. ■



COLOUR MATCHED HARDWARE

The finishing touches that make all the difference

After almost 40 years of SUNFLEX bifold door design we know that it is the little details that make all of the difference. Whether it is how easy they are to operate or how the feel of quality you get every time you turn the handle.

When it comes to finishing touches we like to feel that SUNFLEX doors really stand out, which is why the handles and hinges of our bifold doors are always colour-matched to be the same colour as the frame.

With the minimal design of our hinges and the exclusive in-line handle it just helps the hardware to blend in with the door so that your eye is drawn through the glass and not at the door itself.



Colour options

We hold three of our most popular colours in stock to provide the quickest lead-times and most cost-effective option. If you want to truly personalise your bifold doors, you can choose from more than 200 RAL colours in a range of finishes and even opt for dual colour doors with a different colour on the inside and outside frames.

Standard colours

Anthracite Grey (RAL 7016) matt finish

Charcoal Grey Metallic (DB703) textured finish

Jet Black (RAL 9005) matt finish

Popular bespoke colours

Slate Grey (RAL 7015) matt finish

Grey Aluminium (RAL 9007) semi-gloss finish

Traffic White (RAL 9016) matt finish

Graphite Black (RAL 9011) matt finish

Sage Green (RAL 6021) matt finish

Pearl Mouse Grey (RAL 7048) matt finish



COLOURS







The **SUNFLEX** difference

☑ Premium Quality

We are proud that SUNFLEX UK doors are renowned for their attention to detail and advanced engineering. We believe they are unrivalled in their quality, combining stunning appearance with tried and tested performance.

☑ Own Factory

Nobody else makes doors for us. Every door and window we supply is fabricated by our own expert teams in our own factory, either in Germany or in Norfolk. It is the only way we can guarantee the quality and attention to detail that our products are renowned for.

▶ Our distributors

We work with a hand-selected network of distributors who cover the length and breadth of the UK. Some of these distributors have been part of the SUNFLEX family for more than 25 years and they are ideally placed to offer advice and support to help you find the perfect solution for your home.

SUNFLEX UK

25 years

Further Information

Technical Documents

Completed Case Studies

System Videos

SUNFLEX UK

Bifold doors

Sliding doors

Heritage doors

Aluminium windows

Glass roofs

Front doors

Internal glass partitions

Commercial doors

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