

The Stellar

# Aluminium Bifold door

Discover Star Quality

**stellar**<sup>TM</sup>  
ALUMINIUM SYSTEMS



# Stellar

The Stellar Aluminium Bifold Door is part of the multi-award-winning Stellar aluminium window and door system from Epwin Window Systems, the UK's largest systems house.

Designed and manufactured in Britain, Stellar provides the best aluminium window and door products for today's discerning homeowners. Everywhere you look, there are innovative features and intelligent design protocols that make Stellar straightforward to fit and beautiful to live with.

Quite simply, Stellar is the future of aluminium windows and doors.

**Ask for more information on the other products in the Stellar range.**



# Effortless installation

Because Stellar was designed from the ground up, every element has been carefully considered.

It means the Stellar Aluminium Bifold Door is a delight to install. Patent pre-gasketed knock-in beads make glazing the Stellar Aluminium Bifold Door quick and easy. They also leave a neat, clean gasket line on the inside to help lift the aesthetics to the next level.



We have been fitting PVC-U and aluminium bifold doors for over five years and the Stellar bifold door is by far the best door we have ever fitted.

*Justin Davies,  
Langport Glass and Glazing*



It's fast and easy to fit. Plus, it doesn't drop or drag out of the tracking system, so the number of call-backs is reduced, which helps installers protect their reputation and their bottom line. Of course, it's a great-looking door, so end users are also delighted.

*Richard Payne,  
The Window Store*



There's nothing else like it on the market and I think it's a game-changer. Consumers love it too – the low-level gaskets mean the frames look even slimmer, which taps into the trend for big expanses of glass which are so popular at the moment.

*Darren Capitano,  
Abbey Windows*





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## The Stellar **Bifold door difference**

A bifold door is a stunning style statement that connects the indoors and outdoors in an extraordinary way.

When you choose the Stellar Aluminium Bifold Door, you take the effortless elegance of a bifold door to the next level.

Stellar has all the strength a bifold needs and packs a real punch with its slim sashes and contemporary square look. Full-length polyamide thermal breaks ensure this beautiful door is also highly insulating.

Bifold doors need exceptional hardware, and Stellar components approve 10,000 cycle test to ensure reliable operation even at the largest sash sizes/weights.

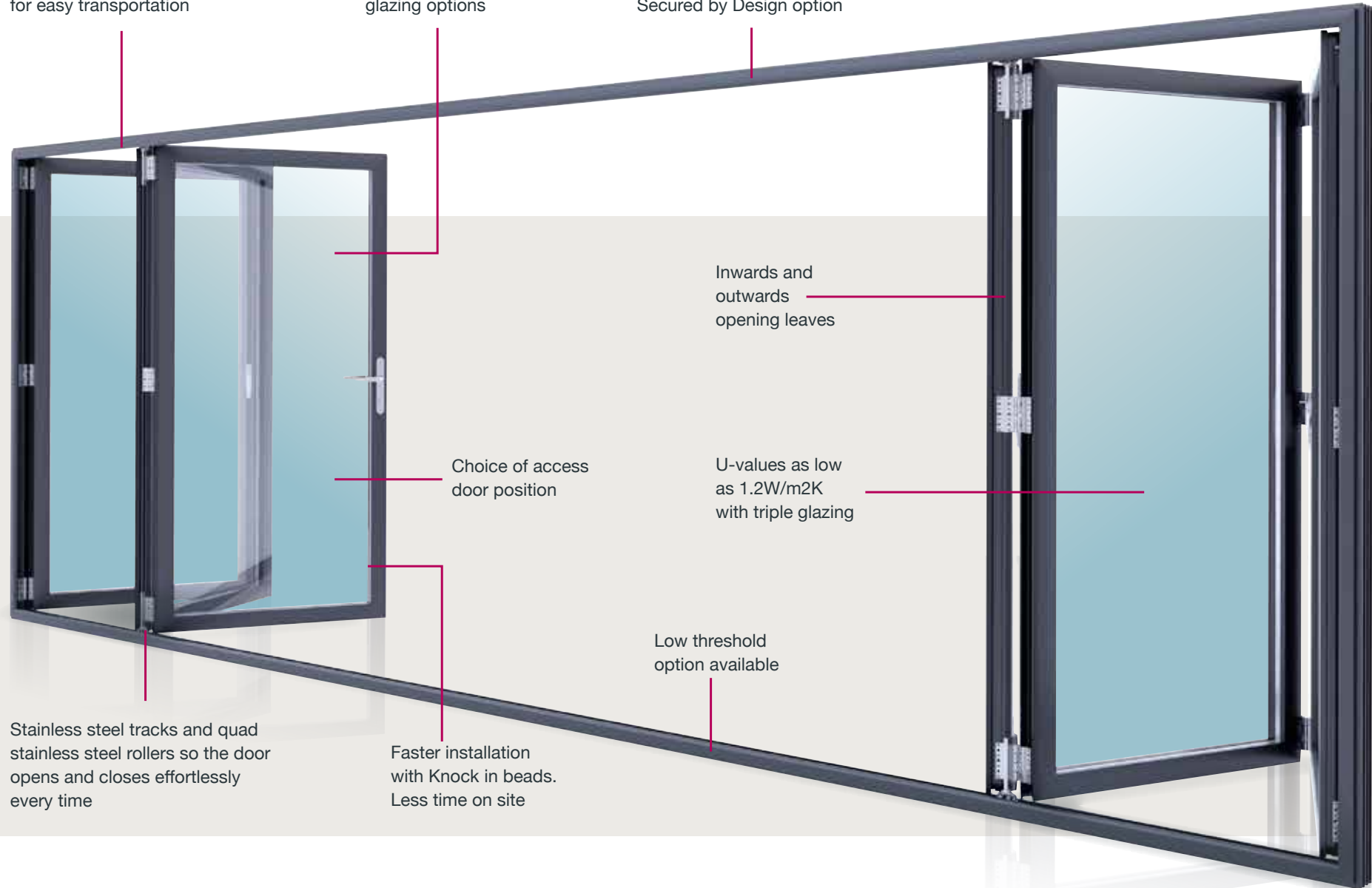
Super-tough polyester powder coating resists damage from scuffs and the day-to-day knocks. Add to that swift fabrication, easy installation and a wide range of options and this is a bifold door that can go anywhere.

-  U-values can be as low as 1.2W/m<sup>2</sup>K
-  Weather performance
-  Air permeability to 600Pa
-  Water tightness to 150Pa
-  Wind load resistance to 1200Pa
-  Can be double or triple glazed

Mechanically jointed frames for easy transportation

24, 36, and 44mm glazing options

PAS 24:2016 accredited system with Secured by Design option



Inwards and outwards opening leaves

Choice of access door position

U-values as low as 1.2W/m<sup>2</sup>K with triple glazing

Low threshold option available

Stainless steel tracks and quad stainless steel rollers so the door opens and closes effortlessly every time

Faster installation with Knock in beads. Less time on site

# Explore your options

Every Stellar Aluminium Bifold Door is a bespoke product.

From the configuration of the door panels to the colour of the frames and handles, every element is tailored to your precise specifications to fit perfectly with any home. You can find out more about your options over the following pages. There are multiple options available in single traffic door or french door, left and right stacking or center parking.

## OPEN OUT

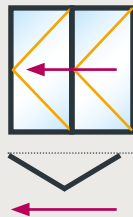
Type 110  
(101) open out



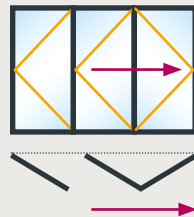
Type 211  
open out



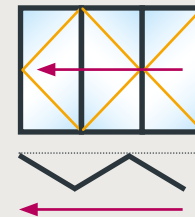
Type 202  
(220) open out\*\*



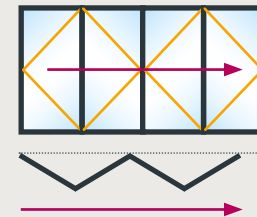
Type 312  
(321) open out



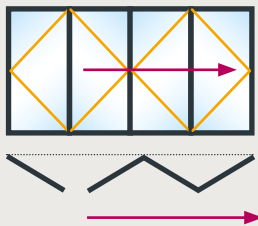
Type 330  
(303) open out



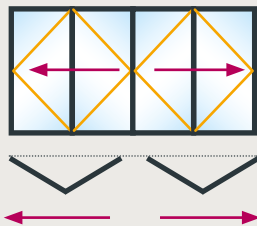
Type 440  
(404) open out\*\*



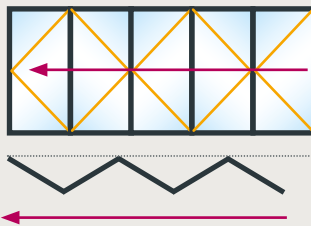
Type 413  
(431) open out



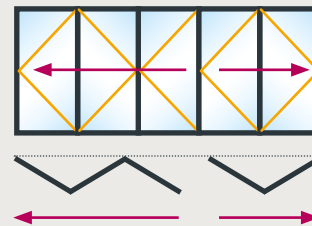
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open out\*\*



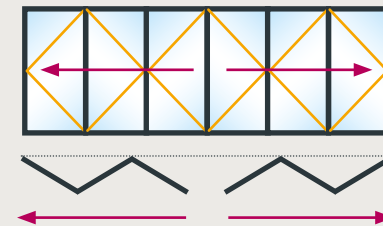
Type 550  
(505) open out



Type 532  
(523) open out



Type 633  
open out



\*The most common configurations are shown above, but other styles up to seven panes are also possible (please refer to the technical manual).

\*\*No external access or traffic door with this design.



## Dimensions and Configurations

- Up to seven sashes
- Open in or open out options
- Sash width to 1,200mm
- Maximum height: 2,500mm
- Maximum weight: 120kg
- Maximum overall width: 6,500mm

### OPEN IN

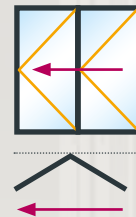
**Type 110**  
(101) open in



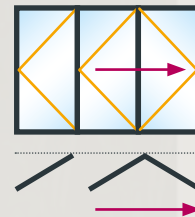
**Type 211**  
open in



**Type 202**  
(220) open in\*\*



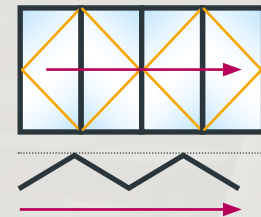
**Type 312**  
(321) open in



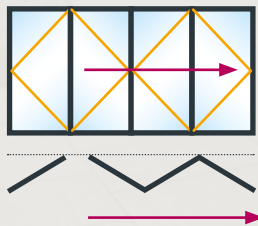
**Type 330**  
(303) open in



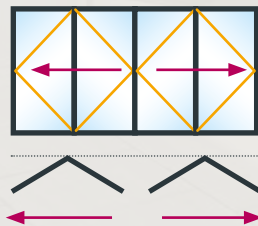
**Type 440**  
(404) open in\*\*



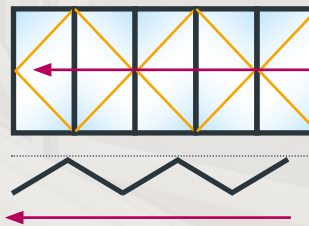
**Type 413**  
(431) open out



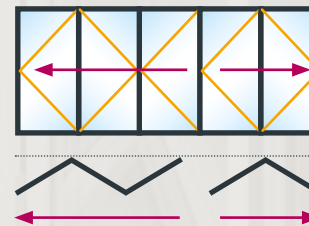
**Type 422**  
open out\*\*



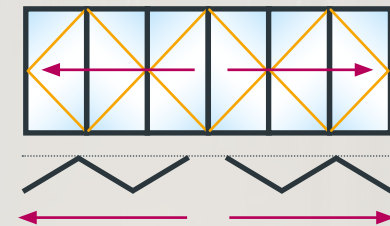
**Type 550**  
(505) open out



**Type 532**  
(523) open out



**Type 633**  
open out



\*The most common configurations are shown above, but other styles up to seven panes are also possible (please refer to the technical manual).

\*\*No external access or traffic door with this design.



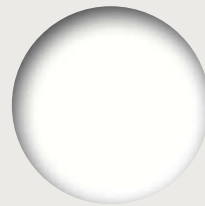
# Inspirational colour

The beauty of aluminium is the range of colours available to you.

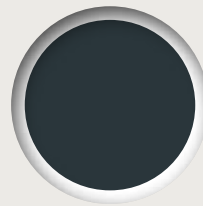
The Stellar aluminium Bifold is available in a standard range of Stellar colours (on reduced lead times) or in any other RAL finish that may be required, including texture finishes. Dual colours are also available so you can have that too. Whether you want your Stellar Aluminium Bifold Door to blend in or make a statement, the choice is yours.

Stellar offers marine grade finish as standard to ensure outstanding resilience in even the most challenging environments.

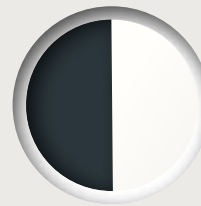
## Stellar colour range



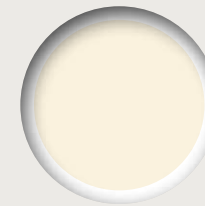
**Signal White**  
Flat/Matt RAL 9003



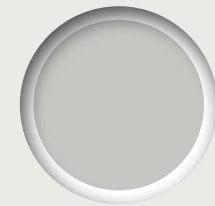
**Anthracite Grey**  
Flat/Matt RAL 7016



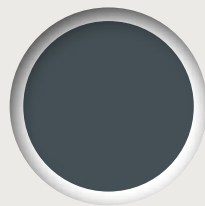
**Anthracite Grey/Signal White**  
Flat/Matt RAL 7016 / 9003



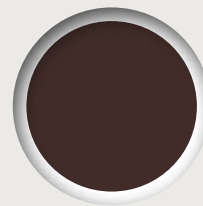
**Cream**  
Flat/Matt RAL 9001



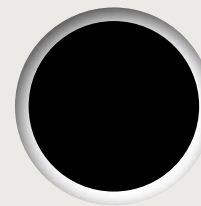
**Agate Grey**  
Flat/Matt RAL 7038



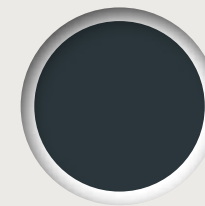
**Slate Grey**  
Flat/Matt RAL 7015



**Chocolate Brown**  
Flat/Matt RAL 8017

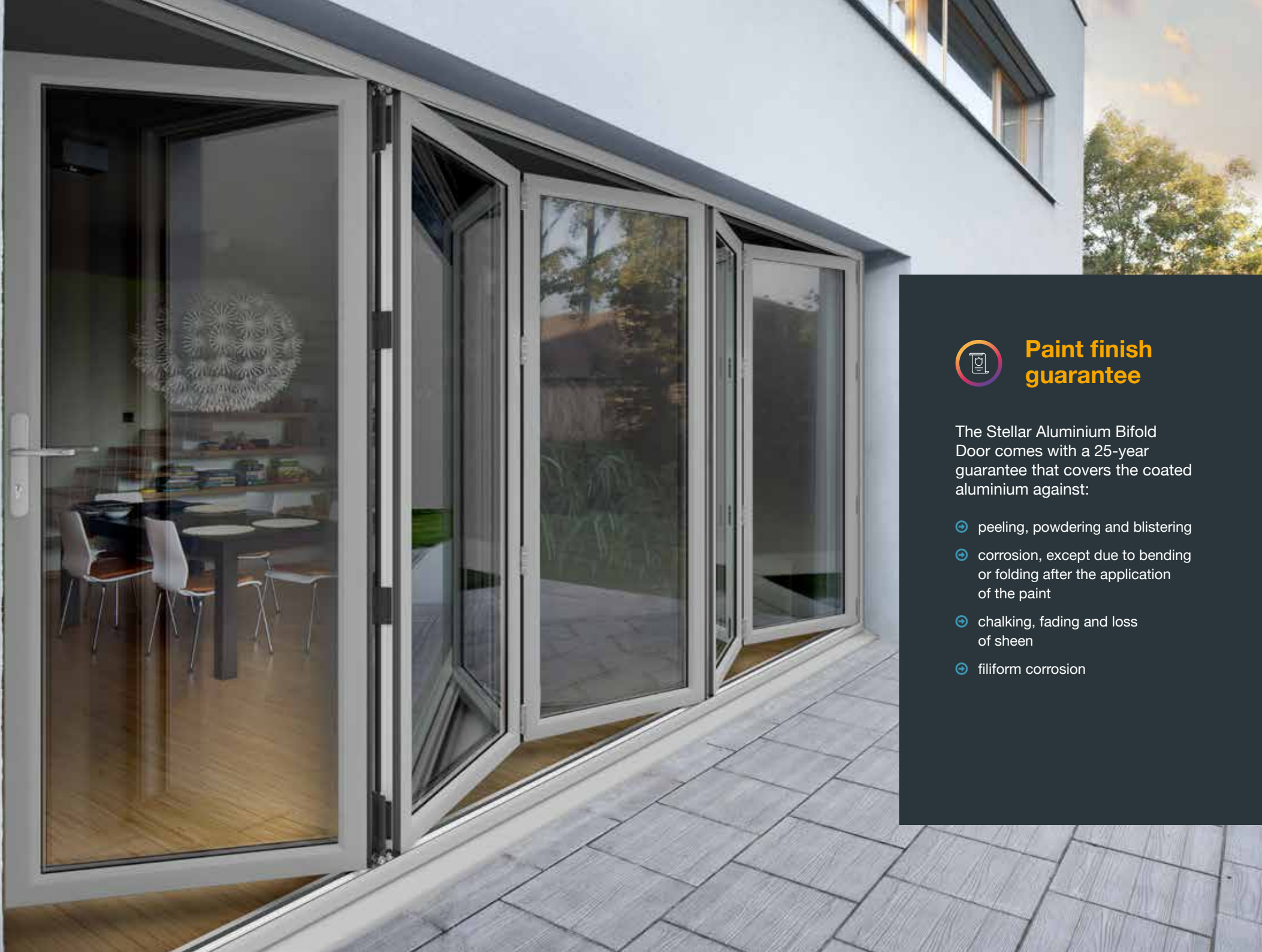


**Jet Black**  
Flat/Matt RAL 9005



**Anthracite Grey**  
Textured RAL 7016





## Paint finish guarantee

The Stellar Aluminium Bifold Door comes with a 25-year guarantee that covers the coated aluminium against:

- peeling, powdering and blistering
- corrosion, except due to bending or folding after the application of the paint
- chalking, fading and loss of sheen
- filiform corrosion

# Accessory perfection

## Door Furniture

Door furniture on the Stellar Aluminium Bifold Door has been carefully considered to beautifully complement the doors and give consistent styling with the other products in the Stellar window and door range.



Finishes have been selected for scratch resistance and durability and we only source from the most reputable suppliers so you can be sure every element is robust and reliable.



White



Silver



Anthracite Grey



Chrome



Black



Rollers and Hinges in Black, Anthracite Grey or White.





### Multiple Opening Options

The Stellar Aluminium Bifold door has a range of multiple options including, left, right and both side stacking. There is also the option to have a French door-style arrangement within the bifold, with two opening leaves, each with a handle. It's a sophisticated alternative to the single master opening leaf that's traditional for bifolding doors.



### Thresholds

The Stellar Aluminium Bifold Door has a range of threshold options. Choose a system set into the floor for a seamless transition between inside and outside. Choose a system designed for easy wheelchair access if required. For exposed locations there are deeper thresholds that have been developed to channel water away from the home.

All our cills are integrated to provide reliable drainage and are easy to install because there are no concealed preps to consider.







# Protecting the home

## Security

Security is an integral part of every Stellar Aluminium Bifold Door. As a material, aluminium offers exceptionally high strength and dimensional stability.

We use Yale multi-point locking systems, one of the most trusted names in security. Robust hinges combine with multipoint locking for the main door. There are shootbolts for high security on each folding leaf.

As a result, the Stellar Aluminium Bifold Door is a PAS 24:2016 accredited system and meets Approved Document Q requirements as standard. It can also be upgraded to meet Secured by Design standards if required.

## Lifetime Security Guarantee

When fitted with the Yale 3-star cylinder and conforming to PAS24:2016, the Stellar Aluminium Bifold Door is covered by the Yale Lifetime Security Guarantee.



## The Yale Lifetime Security Guarantee gives you:



**Up to £1000  
towards home  
insurance excess**

in the unlikely event  
of a break-in at your  
customer's home.



**Up to £1000  
towards repairs  
or replacements**

of any failed Yale  
components.



**£1000  
compensation**

if a break-in is caused  
by the failure of a Yale  
component.



**Up to £250  
refund on  
call-out fees**

if a home needs to be secured  
after a break-in resulting from  
a failed Yale component.

Terms and conditions apply.

# A truly **British** heritage

Stellar is produced by Epwin Window Systems, the UK's largest systems house with a track record stretching back over 40 years.



Our products are designed and manufactured in Britain for the British market. We only work with trusted and reliable window and door fabricators and are active in trade and industry bodies, taking a leading stance in environmental initiatives.

At Epwin we firmly believe in continuous investment in our production facilities and our quality management systems.

You see this commitment in action in our multi-million-pound Stellar manufacturing facility, which was purposely designed to achieve state-of-the-art manufacturing and superior quality and efficiency:

Stellar is manufactured on the industry's first fully automated thermal break, gasket insertion and packaging line. The line delivers all three functions seamlessly and efficiently to deliver reliable quality and rapid turnaround times.

Our powder coating plant uses a chrome-free pre-treatment system, which reinforces our commitment to the environment and exceeds the latest regulatory requirements.

We have exacting quality assurance checks at every stage to ensure our customers have the quality they have a right to expect.

We visually inspect every frame at a distance of one metre – far in excess of the industry standard three metres.


We hold high volumes of stock in specially designed storage facilities in our 300,000 sq ft warehouse and distribution centre to ensure we can always meet customer requirements.

Because when you have raised the bar in aluminium system design, you have to make sure your production facilities reach the same exacting standards. With Stellar, they do.









**stellar**<sup>™</sup>  
ALUMINIUM SYSTEMS

Stafford Park 6, Telford TF3 3AT

0845 300 9356

[talk@stellarialuminium.co.uk](mailto:talk@stellarialuminium.co.uk)

[www.stellarialuminium.co.uk](http://www.stellarialuminium.co.uk)

## Epwin Window Systems

Stellar Aluminium Systems is an aluminium profile system supplied to local independent manufacturers and installers who contract to install windows and doors. Stellar Aluminium cannot be held accountable for manufacture or installation by independent companies. All information in this publication is provided for guidance only and is given in good faith. As it is company policy to continually improve products, methods and materials, changes of specification may be made from time to time without prior notice. This statement does not affect your statutory rights. © Stellar Aluminium Systems. Part of the Epwin Group Plc. STE17345