

# Product Overview

# Epwin<sup>TM</sup> window systems

**WORLD  
GROUP**

TRUST IN QUALITY

**WINDOWS  
DOORS &  
CONSERVATORIES**

# Welcome to World Group

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World Group are a family owned fabricator of Epwin Window Systems PVC products. Based in Carlisle, Cumbria, we offer supply only and supply and installation services across Cumbria, South Lakes, Northumberland and South West Scotland.

## A Comprehensive Product Range

We offer the widest local portfolio of in house manufactured products. Our range covers PVC casement, tilt and turn, reversible and sliding sash windows. We offer PVC Residential, Composite, French and Sliding Patio doors as well as a brand new flush range of tilt and turns and casement windows - all manufactured in house by us so we stay in control of the quality and manufacture process.

Our core products are manufactured using Profile 22 Optima PVC from the Epwin Window Systems range. We're proud to also offer Spectus and PatioMaster PVC products - also from the Epwin range.

Our Composite Door slabs come prepped from DoorCo ready for us to gear up and hang. The colour range is vast, including for bespoke colours.

Aluminium Windows and Doors are available too, using the Stellar brand which, you guessed, comes from Epwin. That range covers all standard window and door products plus a contemporary BiFold and a Lift and Slide product.





## We've made things simple!

When you buy from World Group, you can find all of the window, door and conservatory products you need, all under one roof.

Site delivery, site survey and sales support are available to help you know that you'll be leaving every customer happy, potentially increasing your work load through positive recommendations.

We are the best at what we do.

# Discover World Group Windows and Doors



World Group has a strong track record in working with trade installers and in the building sectors to provide secure, low maintenance and thermally efficient products.

## World Group - Supply

Our award-winning window and door systems offer you more options and more possibilities. So you can deliver the perfect solution for your customers, every time.

We firmly believe in continuous investment in our production facilities and operations. Our approach means we are able to provide the levels of product innovation, quality and reliability you have a right to expect.

Fully integrated systems, all the finishing touches and, importantly, the confidence that everything works together seamlessly... It makes for an incredibly versatile and professional offering, allowing you to meet your customers' requirements no matter what the project parameters.

Speak to us about how we can help you!

## World Group - Install

Over recent years we have seen a lot of trades people and building companies move their model to take advantage of our installation experience.

Whether we supply or install, our product does not change. We still offer unrivaled product quality and a range of in-house manufactured products that set us aside from other local suppliers you may be used to working with.

Full support from sale through to install makes your life easier and saves you time to focus on winning more work and building your brand.

If you want to take the leap and experience products that are better than what you're currently using, all you need to do is call us on 01228 599777 or 01387 249777 or drop us a line [hello@world-group.co.uk](mailto:hello@world-group.co.uk).



# A Comprehensive Product Range



We offer the widest local portfolio of in house manufactured products. Our market leading experience and technical knowledge position us as your best supply option.

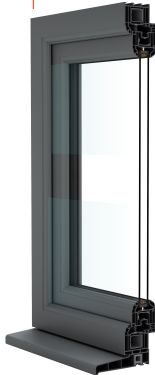
## PAGE 08

Optima  
PVC-U  
Window &  
Door System



## PAGE 10

Optima  
Tilt/Turn  
Window &  
Door System



## PAGE 12

PatioMaster  
PVC-U  
Sliding Patio  
Door System



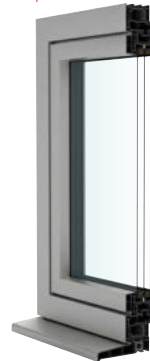
## PAGE 14

Flush  
Casement  
PVC-U Window  
System



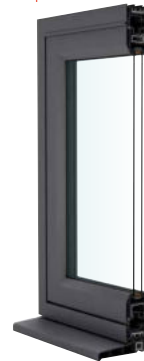
## PAGE 15

Flush Tilt &  
Turn PVC-U  
Window  
System



## PAGE 16

Fully  
Reversible  
PVC-U Window  
System



## PAGE 17

Vertical Siding  
Sash PVC-U  
Window  
System



## PAGE 18

Curtain  
Walling  
System



PAGE 19

Composite  
Door Frame  
PVC-U  
System



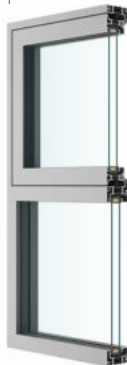
PAGE 24

Stellar  
Aluminium  
Window &  
Door System



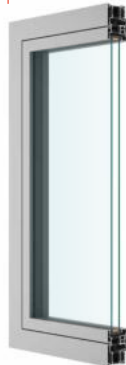
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Stellar  
Aluminium  
Casement Window  
System



PAGE 25

Stellar  
Aluminium Flush  
Tilt & Turn Window  
System



PAGE 26

Stellar Aluminium  
Residential &  
French Door  
System



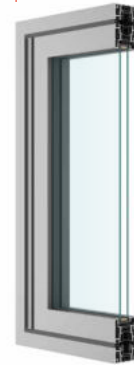
PAGE 26

Stellar  
Aluminium  
Lift & Slide Door  
System



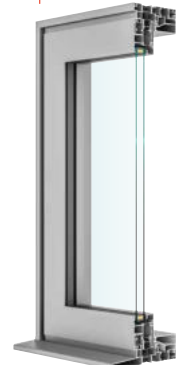
PAGE 27

Stellar  
Aluminium  
Slimline Bifold  
Door System



PAGE 27


Stellar  
Aluminium Inline  
Sliding Door  
System



# Optima Window & Door Systems

Optima is a fully integrated, award-winning PVC-U window and door system that represents the best in PVC-U system design. Designed from the ground up, Optima is efficient to fabricate and easy to install. Its intelligently designed features throughout the system deliver a whole new level of technical innovation.

## FEATURES

U-value (double glazing)	1.2 W/m <sup>2</sup> K
U-value (triple glazing)	0.8 W/m <sup>2</sup> K
Energy Rating (WER & DSER)	A++
Green Guide Rating	A
Acoustic Performance	36 to 44 dB
Air Tightness (Pa)	Class 3 (600Pa)
Water Tightness (Pa)	Class 9A (600Pa)
Wind Loading (Pa)	Class BE2400 2400PA
Security	PAS 24
Secured by Design (SBD)	





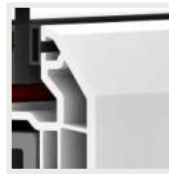
### Window System

The Optima fully-integrated, 70mm window system is available in sculptured and chamfered variations. Suitable for casement and tilt & turn window manufacture, Optima is suitable for almost any size or layout of window including components for bay and bow windows and conservatories. The French Casement Window option offers the ideal alternative to traditional timber window designs or windows with smaller apertures.

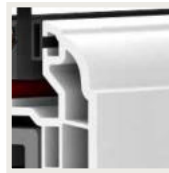
### Door System

The Optima PVC-U door system is a strong, slim, tough, durable and insulating solution. It is suitable for residential, new build, refurbishment and commercial projects and offers impressive versatility. Low threshold options and open-out options for fire or safety doors are available. We help you deliver a solution that is as secure as needed, every time.

### Profile shape options



Chamfered



Sculptured

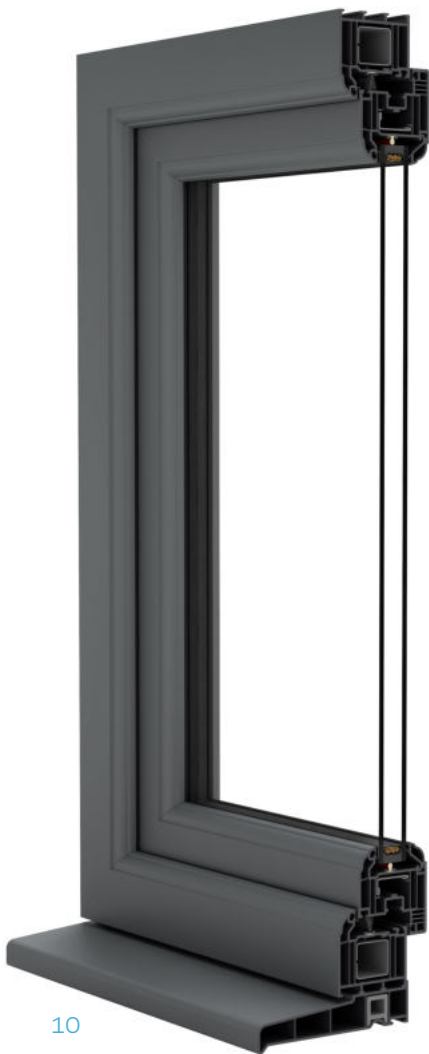
## At-a-glance

### Practical credentials

- Award-winning system
- Superb weather tightness
- Better drainage
- Superior security and strength
- Glazing options from 24mm to 44mm
- Available as BIM object

### Aesthetic credentials

- Chamfered or sculptured options
- Consistent detailing across the system




# Tilt and Turn Window System

The Tilt and Turn is a PVC-U window system of choice for homeowners, builders and architects up and down the country when they want easy cleaning and great fire egress.

It can be used in the full range of window styles, includes a wide range of colour and finish choices and has the widest range of ancillaries in the business.

## FEATURES

U-value (double glazing)	1.2 W/m <sup>2</sup> K
U-value (triple glazing)	0.8 W/m <sup>2</sup> K
Energy Rating (WER & DSER)	A++
Green Guide Rating	A
Acoustic Performance	41 dB
Air Tightness (Pa)	Class 2 (300Pa)
Water Tightness (Pa)	Class 9A (600Pa)
Wind Loading (Pa)	Class A4 (1600Pa)
Security	PAS 24
Secured by Design (SBD)	

## Tilt and Turn System

Sometimes called a Tilt before Turn, this window differs from standard casements because they open into the property in two ways.

First the window will tilt inwards with a restricted opening that's great for ventilation.

Second the window will turn inwards, hinged at the side, offering a great means of escape and easy cleaning.

These windows are common place in Scotland due to building regulations. You can also find out about the flush option of these in this document.



## Profile shape options



Bevelled



Ovolo

## At-a-glance

### Practical credentials

- Impressive aesthetics
- Powerful performance
- Intelligent design
- Long life span of 30+ years
- Glazing options from 24mm to 44mm
- Available as BIM object

### Aesthetic credentials

- Bevelled or Ovolo options
- Consistent detailing across the system

# PatioMaster Sliding Patio Door System

PatioMaster doors are now 33% stronger due to their improved reinforcing capability, while an intelligently-designed interlock prevents panes being prised open to gain entry. The system offers exceptional thermal performance and its sash profile increases the variety of glazing options to 28mm and 36mm (which is triple glazed).

## FEATURES

U-value (double glazing)	1.3 W/m <sup>2</sup> K
U-value (triple glazing)	1.0 W/m <sup>2</sup> K
Energy Rating (WER & DSER)	A+
Green Guide Rating	A
Acoustic Performance	up to 44 dB
Air Tightness (Pa)	Class 3 (600pa)
Water Tightness (Pa)	Class 7a (300Pa)
Wind Loading (Pa)	A4 1600Pa
Security	PAS 24
Secured by Design (SBD)	✔



There are enhanced aesthetics with a new interlock sightline that perfectly aligns with the opposing sash. Yale 6-point locking is fitted as standard, while PAS 24 options feature a specially developed Yale 10-hook lock and are complemented by Yale Platinum 3-star high-security cylinders.

## Triple Track Sliding Patio Door

The PatioMaster triple-track system offers up to 25% additional open space compared to a conventional patio door. With either two or four sliding sashes that stack neatly behind each other, they deliver the open-house feel even with smaller frame sizes. They're neat, practical and streamlined for the best in door aesthetics.



## At-a-glance

### Practical credentials

- Excellent weather protection
- Triple Track patio
- Trouble-free installation

### Aesthetic credentials


- 2, 3, 4 or 6-pane configurations
- Up to 6-metre spans



# Flush Casement Window System

The Flush Casement Window System beautifully and accurately replicates the original features of traditional timber casement windows. At the same time, modern engineering means superior thermal performance and outstanding weather protection too.


## FEATURES

U-value (double glazing)	1.2 W/m <sup>2</sup> K
U-value (triple glazing)	N/A
Energy Rating (WER & DSER)	A+
Green Guide Rating	A
Acoustic Performance	36 to 44 dB
Air Tightness (Pa)	Class 3 (600Pa)
Water Tightness (Pa)	Class 9A (600Pa)
Wind Loading (Pa)	C3 (1200Pa)
Security	PAS 24
Secured by Design (SBD)	

# Flush Tilt & Turn Window System

The Flush Tilt & Turn Window System is a 70mm system that offers an outstanding alternative to aluminium systems on medium and high-rise buildings and where large-scale windows are required.

## FEATURES

U-value (double glazing)	1.2 W/m <sup>2</sup> K
U-value (triple glazing)	0.8 W/m <sup>2</sup> K
Energy Rating (WER & DSER)	A++
Green Guide Rating	A
Acoustic Performance	36 to 44 dB
Air Tightness (Pa)	Class 4 (600Pa)
Water Tightness (Pa)	Class E750 (E750PA)
Wind Loading (Pa)	Class CE2400 (2400PA)
Security	PAS 24
Secured by Design (SBD)	



# Fully Reversible Window System

The Fully Reversible Window is heavily specified for use in medium-high-rise applications and inaccessible locations. The window easily rotates 180° allowing for safe and easy cleaning of the outside pane without the window entering the room space itself. Its high security locking and child resistant safety catches, and weather performance ensures its maximum safety and security.

## FEATURES

U-value (double glazing)	1.2 W/m <sup>2</sup> K
U-value (triple glazing)	0.8 W/m <sup>2</sup> K
Energy Rating (WER & DSER)	A++
Green Guide Rating	A
Acoustic Performance	40 dB
Air Tightness (Pa)	Class 4 (600Pa)
Water Tightness (Pa)	Class E1500 (1500pa)
Wind Loading (Pa)	Class BE2400 (2400pa)
Security	PAS 24
Secured by Design (SBD)	✓



Open position



Centre position



Reversed position








# Vertical Sliding Sash Window System

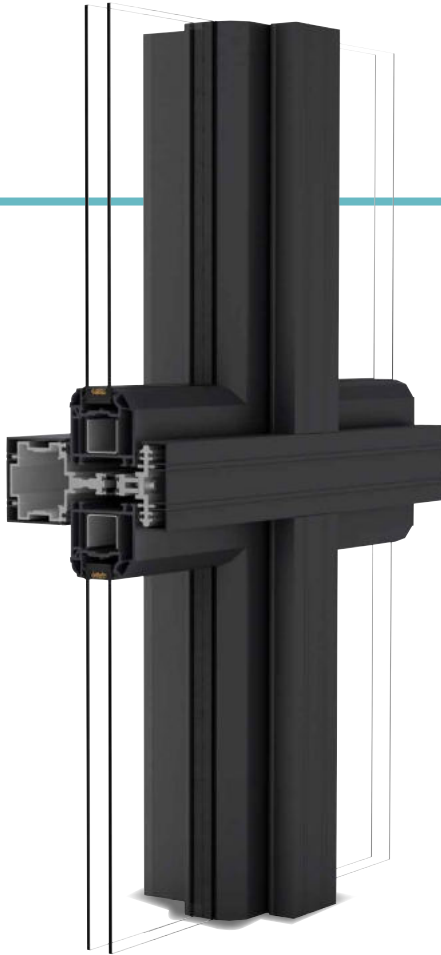
Our Vertical Sliding Sash Window was one of the first PVC-U sliding sash window systems to enter the UK market. To further enhance the Vertical Sliding Sash Window system.

Approved by some specifiers, architects and planning offices, we've had great success working with this product and we are sure you will too.

## FEATURES

U-value (double glazing)	1.4 W/m <sup>2</sup> K
U-value (triple glazing)	N/A
Energy Rating (WER & DSER)	A+
Green Guide Rating	A
Acoustic Performance	32 to 37 dB
Air Tightness (Pa)	Class 3 (600Pa)
Water Tightness (Pa)	Class 5A (200Pa)
Wind Loading (Pa)	Class 5A (2000Pa)
Security	PAS 24
Secured by Design (SBD)	

# Curtain Walling System



The purpose-designed Epwin Window Systems Curtain Walling System combines quality, sustainability, aesthetics, price and performance – making it the ideal choice when creating large areas of fenestration.

This product is exclusive to supply and install due to the accreditations required.



# Composite Door Frame System

The Composite Door Frame System is designed for composite door slabs (44mm thick nominal), and the typical hardware associated with this type of product. The system comprises a pre-gasketed PVC-U 70mm outer frame and dedicated 'T' Transom-Mullion, aluminium, steel & RCM reinforcement.



# Industry favourite colours available across our products

Our product colour offering represents the industry's preferred colour palette. From contemporary colours to heritage classics, and natural palettes to expression hues, it's an intelligent colour offer designed to support our customers at every level.

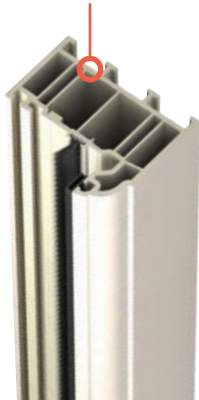
## Base colour options

Next-level aesthetics have been escalated with our five complementary base colours, white, tan, brown, cream and grey. The base colours have been selected to complement our foiled options for the best in streamlined aesthetics.

Most of the time the base colour is dictated by us to suit the colour of profile but if you want a specific option, let us know.



Cream Base



Tan Base



Grey Base

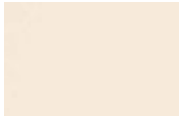


White Base



Brown Base





Cream



Agate Grey



Pyrite



Flemish Gold Smooth\*



Black Ulti-Matt



Basalt Grey Smooth



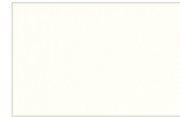
Claystone



Chartwell Green



AnTeak



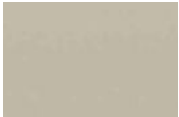
White



Silver D Smooth\*



Slate Grey Finesse



Pebble Grey



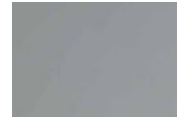
Irish Oak



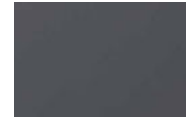
Swamp Oak



Dark Red



Hazy Grey Finesse



Slate Grey



Windsor



Honey Oak Super-Matt\*



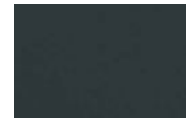
Rosewood



Steel Blue



Kensington Grey



Anthracite Grey



Sage Smooth



Light Oak



Black Brown



Dark Green



Buckingham Grey



Anthracite Grey Smooth

# More ancillaries than any other system

We offer a comprehensive range of ancillaries all colour-matched to the main system components and offering the same levels of quality and durability. It's a range that helps you create perfect projects every time.



## Cills

Our cill range includes options from 85mm to 225mm and every option has matching end caps and couplers. A single reinforcing size made from steel and recycled composite material (RCM) helps keep consistency of product.

## Thermal Inserts

Thermal inserts increase the number of insulating chambers and help you deliver enhanced U-values and WERs without the cost of the most highly insulating sealed units. They are made from recycled materials and are simply cut to size and slotted inside the profile during fabrication.

## Baypoles

Our range of variable, square and fixed angle variant baypoles allows you to create strong, robust and visually appealing bay and bow windows that meet precise customer requirements.

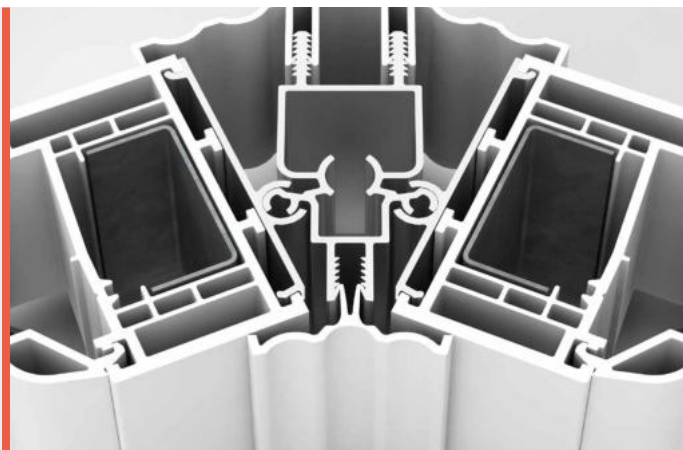


## Couplers

Couplers are available in a range of sizes from 3mm to 29mm.

## Weatherbars

Our weatherbars deliver valuable finishing touches on French and residential doors.



## Packers

There are packers in four sizes from 15mm to 50mm.

## Casement Horns

There are run-through casement horns and cover caps in all stock colours and finishes.

## Astragal Bars

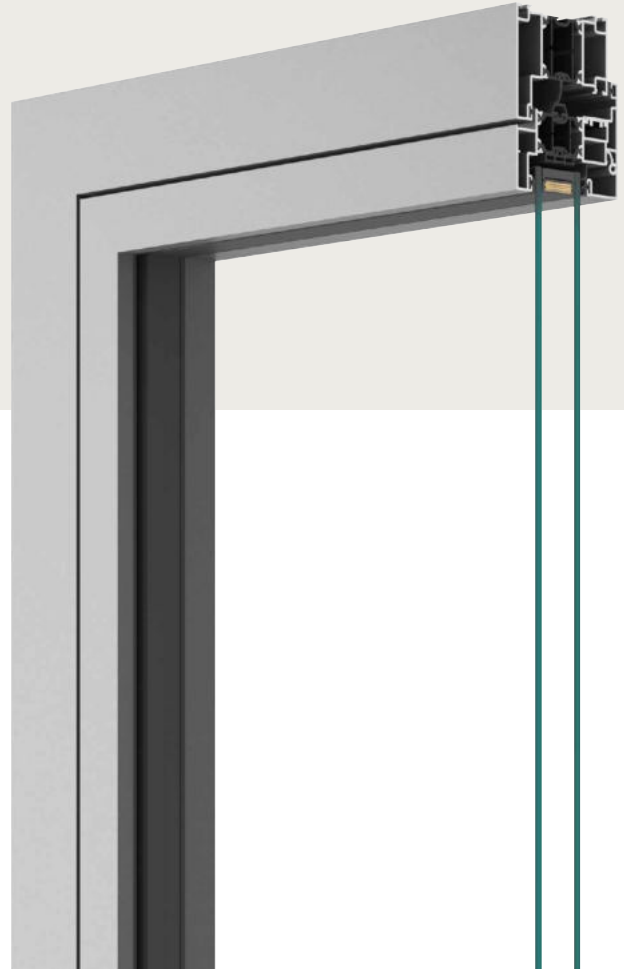
A range of sculptured and chamfered glazing bars is available in all colours and finishes.

# Stellar Aluminium Systems

Stellar Aluminium windows and doors are high performance and simple to install. Stellar is cost-effective, but its aesthetics are world class and it delivers everything the buyer wants.

Stellar is the multi-award-winning aluminium system with the slimmest sightlines on the market. It's 30% slimmer than its main competitors, delivering the best sightlines for the bright, light look today's consumers demand. It is secure, low maintenance and more sustainable. Welcome to a multi-award-winning five-star system.

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





## Casement Window Range



- Flush and Fully Flush design
- French Flush Casement window option
- Slim sightlines (61.5mm for flush and 75mm for fully flush)
- 1.4 W/m<sup>2</sup>K U-value (double glazed), 1.0 W/m<sup>2</sup>K flush window (triple glazed) or 0.95 W/m<sup>2</sup>K fully flush (triple glazed)
- Espag locking
- Max size 1221mm x 1221mm (top hung) or 721mm x 1321mm (side hung)
- A++ rated WER band, unique thermal break technology
- Beads 28mm, 32mm, 36mm, 44mm (fully flush only)

## Flush Tilt & Turn Window



- U-values as low as 1.4 W/m<sup>2</sup>K (double glazed) or 1.1 W/m<sup>2</sup>K (triple glazed)
- Contemporary slim sightlines
- Unique thermal break technology
- Concealed hardware for a sleek finish
- Extra security around hinge points
- Bead sizes: 28, 36, 44mm

## Flush Door



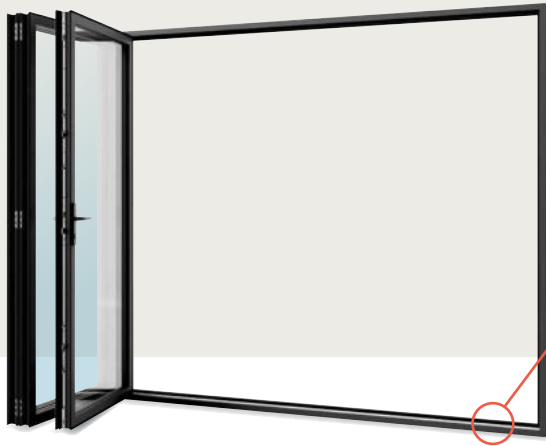
- Fully Flush aesthetic
- 1.4 W/m<sup>2</sup>K (double glazed) or 1.2 W/m<sup>2</sup>K (triple glazed)
- Fully adjustable 3D hinge option
- Low profile DDA compliant threshold
- Max size 1000mm x 2400mm
- PAS 24 as standard
- Beads: 28, 32, 36, 44mm

## Lift & Slide Patio Door



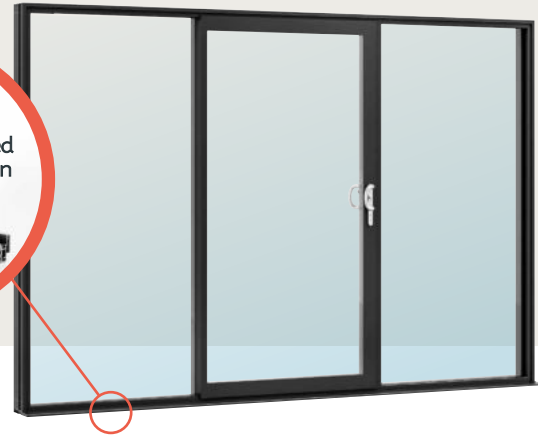
- Three interlock options 96mm, 68mm or 50mm (windload dependent)
- Up to 44mm triple glazing
- 1.4 W/m<sup>2</sup>K U-value double glazed, or 0.9 W/m<sup>2</sup>K (triple glazed)
- Max panel weight 300kg / max size up to 3000mm x 2600mm
- PAS 24 as standard
- Beads: 28, 36, 44mm

## Slimline Bifold Door



- Robust hinge with double fixing positions
- Up to 44mm triple glazing
- Max panel weight 120kg / max size up to 1200mm x 2500mm
- PAS 24 as standard
- 117mm meeting stiles
- Patent-pending adjustable lock stile
- Beads: 28, 36, 44mm
- 1.3 W/m<sup>2</sup>K U-value (double glazed) or 0.9 W/m<sup>2</sup>K U-value (triple glazed)
- Unique thermal break technology

## Inline Sliding Door



- **Coming Soon**
- Wind load resistance Class A3 to 1200Pa
- Water tightness Class 6A to 250Pa
- Air permeability Class 3 to 600Pa
- U-values as low as 0.9 W/m<sup>2</sup>K
- Neat gasket line
- PAS24 as standard
- 2, 3, and 4 pane options
- 2400mm maximum frame height
- 1675mm maximum sash width



## Stellar finishes

Colour makes a huge difference to the overall success of a glazing project.

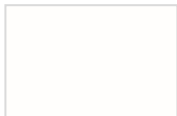
That's why Stellar's colour palette isn't limited. The most popular shades are stocked, and we review this range regularly to be certain it reflects changing trends.

As well as our selection of stocked colours, we can supply profiles finished with any gloss level, in any RAL colour, or any dual colour combinations. It's a colour proposition that enables you to satisfy more customers and fulfil the aesthetic requirements of more construction projects.

- Wide choice of stocked colours
- Tough, durable Qualicoat-approved powder coating
- Marine grade finish as standard
- 25-year surface finish guarantee
- Low-maintenance, easy-clean surface.



## Stock



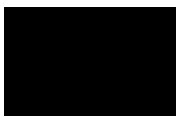
Signal White  
Flat/Matt - RAL 9003



Anthracite Grey  
Flat/Matt - RAL 7016



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

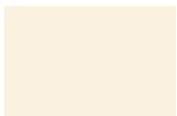


Jet Black  
Flat/Matt - RAL 9005



Jet Black/Signal White  
Flat/Matt - RAL 9005 /  
9003

## Made to Order



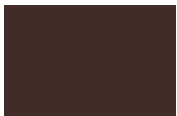
Cream  
Flat/Matt - RAL 9001



Agate Grey  
Flat/Matt - RAL 7038



Slate Grey  
Flat/Matt - RAL 7015



Chocolate Brown  
Flat/Matt - RAL 8017



Anthracite Grey  
Textured - RAL 7016



# Supporting our Customers



World Group has a laser-focused commitment to offering the best experience for our customers. Our continued business commitment and partnership approach has been designed to support our customers at every level.

As a World Group trade customer, **you can benefit from:**

- A choice of established, award-winning systems
- Unrivalled technical, marketing and commercial support
- Access to Connect, a ground-breaking digital resource hub
- Marketing solutions via our award-winning supplier team
- State-of-the-art manufacturing in Carlisle
- Next-generation colour offer
- Technical support from humans with decades of experience
- Fast and efficient service to match our product quality

## Key Contacts

- These 'Key Contacts' are handy to save in your phone.



### Sales Support

**Craig Bell** - 07726 673002  
craig.bell@world-group.co.uk

**Jamie Forrester** - 07764 898163  
jamie.forrester@world-group.co.uk

**Rhys Graham** - 07764 898162  
rhys.graham@world-group.co.uk

**Josh Ryan** - 07764 898164  
josh.ryan@world-group.co.uk

### Technical Support

**Andy Broatch** - 01228 599777  
andy.broatch@world-group.co.uk

**Colin Jackson** - 07764 898166  
hello@world-group.co.uk

# Continued Investment



Through 2023, we made investment in production machinery which resulted in a full new fabrication suite. We've made building developments to streamline our operation and improve quality standards.

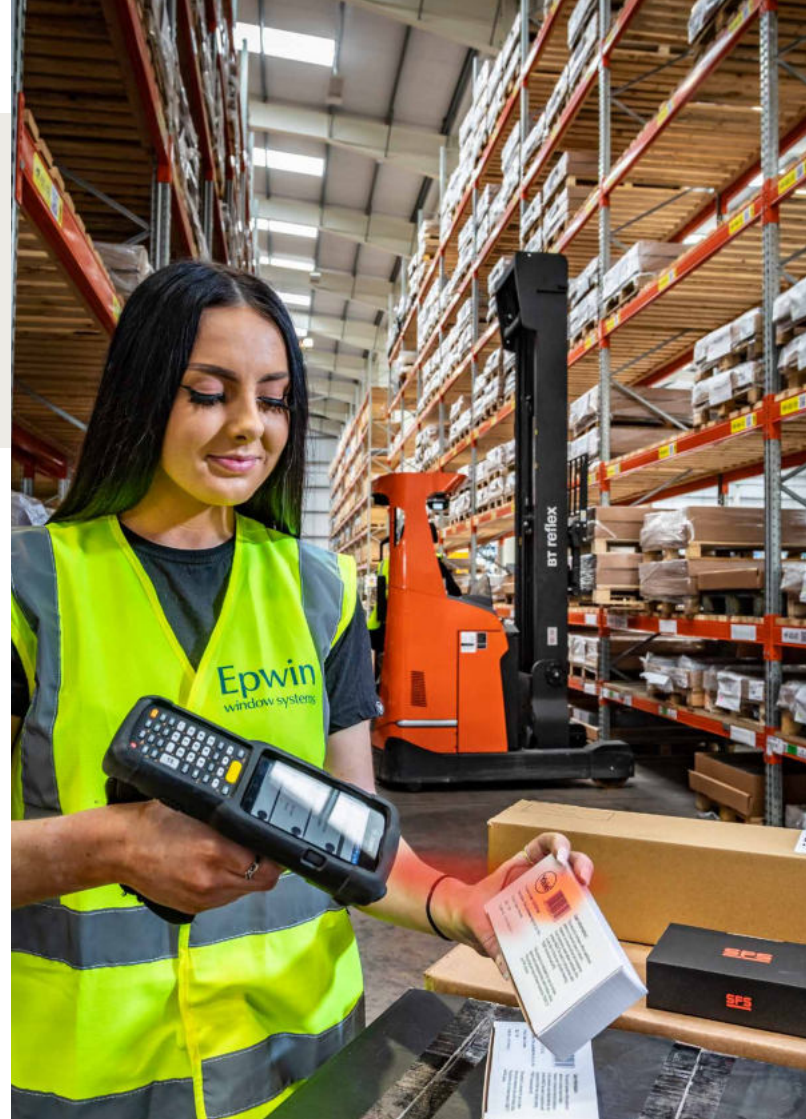
Our widescale package of recent investments include:

- Development of rear factory to allow for in house spraying and engineering.
- New recycling and waste centre.
- Investment in people to increase production capacity.
- Development of despatch area to separate frame and glass storage.
- Complete new fabrication suite.





- We're proud to work with Epwin Window Systems who have state of the art stock and warehousing facilities that help us keep on top of good inwards and our stock handling



# Supply Collaboration

When you move to World Group, you're backed up by Epwin Window Systems, DoorCo, Window Widgets, ERA and Hallmark Panels - industry leaders in their fields.



We know that looking at new supply options can be daunting.

Our sales team are here to offer as much support as required to make the transition smooth.

Our despatch team work with you to find out where and how delivery works best for you.

# We'd love to hear from you soon...

We are excited about the opportunity to speak to you in more detail about our range of products and how we can work together moving forward.

Call us: 01228 599777 or 01387 249777

Email us: [hello@world-group.co.uk](mailto:hello@world-group.co.uk)

Or you can visit us

**Head Office:** Kingdom House, Brunel Way, Carlisle, CA1 3NQ  
**Dumfries:** Maxwelltown Industrial Estate, Dumfries, DG2 0NW





For more information about our products, get in touch

**Call: 01228 599777 or 01387 249777**

Email: [hello@world-group.co.uk](mailto:hello@world-group.co.uk)

[www.world-group.co.uk](http://www.world-group.co.uk)

World Group work hard to manufacture high quality products for trade professionals. We work within industry guidelines for guarantee coverage and warranty replacements. We can not be held responsible for faults that occur through installation or incorrect operation. Our team can work with you to provide training on new products to ensure a smooth introduction in to your product offering.