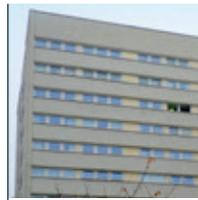


# specify

The UK's leading window and door systems.



**Page 3**  
Replace medium and high-rise windows without scaffolding



**Page 4**  
Complementary design and specification service



**Page 7**  
PVC-U windows can help you meet your net zero targets



## One of the UK's largest suppliers

Epwin Window Systems is one of the UK's largest manufacturers and suppliers of PVC-U and aluminium window and door systems.

We are a proudly British company and we manufacture our multiple cutting-edge systems from our state-of-the-art manufacturing facilities in Telford, Shropshire. We are home to the award-winning PVC-U commercial window

and door system of choice, Optima and our other highly-specified brands Spectus Systems and Stellar Aluminium Systems, are some of the best-known names in the sector too.

Our 20+ year track record of working with housing associations and other public and private sector organisations speaks for itself. From a value-added free specification service to market-leading products, we help deliver cost-effective projects that protect homes and buildings and the people who live and work in them.

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

The UK's leading window and door systems.



# Introduction to Epwin Window Systems



Epwin Window Systems is the UK's largest manufacturer and supplier of cutting-edge PVC-U and aluminium window and door systems for the fenestration and construction markets.

We have a 17% market share and our window, door and curtain walling products are installed in millions of properties throughout the UK.

We are a proudly British company and employ over 400 people. We have a powerful track record of investment in UK manufacturing and we recently commissioned a new 300,000 sq ft state-of-the-art distribution centre near our UK headquarters in Telford, Shropshire.

We have a culture that prizes continuous improvement and we are committed to driving the fenestration industry forward with technological innovations and advances. As a result, our window and door systems are some of the most widely specified in the commercial sector. We are home to the award-winning Optima window and door system and the established, Spectus Systems. We also have a range of commercial-focused products, including curtain walling and reversible windows that deliver a wide and varied portfolio to support all commercial applications.

Our size and strength make us a reliable partner and our 20+ year track record of working with public and private sector organisations speaks for itself. From a value-added free specification service to market-leading products, we help deliver cost-effective projects that protect homes and buildings and the people who live and work in them.

Read on to find out more about Epwin Window Systems and why we are the right window and door partner for you.

# Replace medium and high-rise windows without scaffolding

Save £££s with our unique, bespoke medium & high rise window solution. No scaffolding required, tried & tested in over 17,000 installations, quick & safe and can be used with any existing window system!



17500 windows installed



42 tower blocks completed



ZERO failures or callbacks



All Epwin Window Systems window products can be installed internally, whatever the window style.

- You don't need to factor the cost of scaffolding into your budget, freeing up funds to spend elsewhere
- You have the flexibility to replace windows in phases to help you manage costs
- You can replace windows as a standalone project without having to complete other external works first
- You don't have to have our windows already in place for us to replace them, our innovation means we can replace any window from any window system.

## Proven approach

It's a proven approach that's already been used to replace 2,500 windows across four tower blocks in Birmingham and 15,000 windows across 37 tower blocks in Solihull.

## Balance the books and address climate concerns

Being able to replace windows as you need to without factoring in the cost of scaffolding is a huge advantage. It helps you make savings and reduce costs to help balance the books. At the same time, it helps you maintain your property portfolio to improve residents' homes and play your part in the UK's zero carbon commitments.

## Epwin Window Systems

- Innovation as standard
- Free consultation and design service
- 20+ year track record of working with housing associations and other public and private sector organisations.

It's because of our willingness to seek innovations like these that drive the industry forward. It's also because we provide a complete service that includes everything from technical calculations and drawings to resident liaison.

# A complementary design and specification service

Our complementary design support service is part of our commercial support, whether you are working on two homes or 2,000. It gives you access to technical expertise and practical support to ensure you have met the exacting standards on every aspect of your window and door schedule.



## Site visit and survey

Our service starts with a visit to your site by our in-house specification team. We meet with you and discuss the requirements for your project. Our team will survey your site and the existing windows and doors (if relevant) to allow us to calculate your new specification.

## Specification development

The next step is to develop a site-specific window schedule. We will take into account every detail. Different elevations may require different specifications – for example to reduce road noise or to protect against the prevailing elements. We

also cater for specific health and safety requirements, from emergency egress (fire escape) windows to ergonomic handles that support those with limited dexterity.

## Technical calculations and tender documentation

Our specification team formalises the window specification, conducting calculations to ensure the solution meets wind load, loading bearing and structural requirements and provide the detail needed for tender documentation. We also develop detailed drawings to accompany tender documentation. It's a level of detail that helps ensure the tender

process runs smoothly and quickly, so you can bring a project to site faster.

## Resident liaison

We understand how important it is to bring residents on the journey with you. We provide you with the support you need. If you are holding tenant open days, we can send a member of our in-house team to talk people through the window specifications. We can also provide window samples to enhance displays explaining works to be carried out.

# Optima helps housing association deliver community regeneration project



Optima helps housing association deliver community regeneration project  
Optima windows were chosen for the construction of 18 houses, 38 flats and two retail units as part of a regeneration scheme in Maidstone, Kent.

Housing association Golding Homes has invested £50m in a three phase regeneration project to transform and improve the former Park Wood estate in Maidstone. The scheme involved providing over 200 new homes, mainly family houses, as well as new community facilities including new shops, and a much wider package of investment to improve the local area.

Education, housing and healthcare contractor Rydon secured the £9.3m contract to deliver the third and final phase of the project, which involved building 18 houses, 38 flats and two retail units.

When it came to the windows and doors on the project, Rydon turned to longstanding supplier Feature Architectural Fabrications, based in Eastbourne, East Sussex.

## **Optima windows deliver the complete package**

Feature Architectural Fabrications has only been a Optima installer for around two years and Procurement Manager Paul Delaney attributes his company's success in winning the

Wallis Fields contract to the system. "Rydon specified PVC-U windows and doors. Optima from Optima delivered the technical and aesthetic requirements at a competitive price. It made the difference in this case."

Optima is rapidly becoming the most widely specified commercial system thanks to its compelling list of benefits that help specifiers meet even the most demanding of requirements.

The system delivers optimal thermal performance, achieving a 1.2 W/m<sup>2</sup>K U-value as standard, with U-values as low as 0.8 W/m<sup>2</sup>K possible. It is PAS24 compliant as standard with Secured by Design options available as well. In its aesthetics and versatility, it sits comfortably in any architectural style.

## **A team pulling together**

Feature worked closely with fabricator Framexpress and Optima at every stage of the project. Epwin Window Systems specification team supported Feature with the technical information Rydon required, including U-value calculations.

The Framexpress team liaised closely with Feature and Optima to deliver products on schedule and ensure deadlines were met.

On site, Feature worked closely with all other trades to ensure installation went as smoothly as possible. Paul said: "We've been in business for over 20 years and are proud to have built up an enviable reputation for maintaining close working relationships with our clients and fellow contractors."

## **The result**

The project involved the demolition of an outdated shopping parade to create a more pedestrian orientated environment, landscaped areas and improved public realm spaces. The homes and commercial blocks have a modern design inspired by the local Kent architecture, drawing inspiration from the traditional housing of the region including cladding, weatherboarding and render with a mix of flat and pitched roofs. The Optima windows sit perfectly in the design and Paul is delighted with the results.

# Curtain walling from an industry leading system



## A system that speaks for itself

We talk a lot about our window and door systems – with good reason, they're innovative, award-winning, trusted and proven, but often specifiers and architects are surprised that we have a curtain walling system as well. Maybe we don't shout about it often enough. Maybe it's just that the system is so good and reliable that once it's installed it becomes part of the architecture and needs barely any maintenance. Maybe it's because its PVC-U cladding ensures it blends perfectly with windows and doors – it might not stand out, but it is a stand-out performer.

If you need a curtain walling system that's effective, affordable, stylish, easy to care for and adaptable, you should get to know ours.

## Introducing the Epwin Window System curtain walling solution

This is a cost-effective option for large glazed screens and stairwells in a wide range of projects. The strong, thermally broken aluminium sections are clad externally with PVC-U for an attractive and durable finish. As well as standard white, we offer a range of 30 foiled finishes and the system can also be spray painted in any specified RAL colour. The system takes spandrel panels and is designed to work with 70mm glazing systems. Because we know the costs of site damage, frames, panels and cover caps are fitted post-installation, and – crucially – frames and panels can be replaced from inside.

## A little more detail

- Low maintenance PVC-U clad system
- Suitable for domestic and non-residential use
- Ideal for refurbishment projects
- Improves building aesthetics
- Fully compatible with 70mm systems including Optima
- Accommodates spandrel panels
- Glazing and panels fitted from inside
- Engineering grade aluminium sections to BS1474
- Polyamide thermal break U-value 0.168W/m2K
- Fully accredited and BSI tested
- Tested to withstand winds in excess of 140mph

## No drama, just high performance

Combining an effective polyamide thermal break in the aluminium sections and the ability to accommodate the most energy-efficient 70mm windows and doors, ensures high standards of insulation are possible. The system has been tested to BS 5368 parts 1, 2 and 3, achieving the following performance:

	Class	Test pressure
Air permeability	Info required	600Pa
Water tightness	Info required	300Pa*
Wind resistance Info	Info required	300Pa
Polyamide thermal break conductivity	U-value 0.168W/m2K	

\* Sample showed no sign of leakage at 1000 Pa.

## Why choose Epwin Window System for curtain walling?

We've got a fully accredited system that exceeds the requirements of UK and EU Building Regulations. In testing by the British Standards Institute, its weather tightness was 3 times better than the performance standards for severe weather. It's great value, looks superb and is very practical. If you'd like to discover more, see samples or discuss a project, just let us know.

# How Epwin Window Systems' PVC-U windows can help you meet your net zero targets



You will no doubt have stretching environmental targets in place to help you decarbonise and support the government's 2050 net zero target. Reaching these targets will mean considering the environmental implications in every decision you make.

The good news is that some decisions will be easier than others.

Take the windows and doors in properties as an example. When the time comes to replace them, choosing products from Epwin Window Systems could be a wise decision. Our commitment to the environment is evident in our products and the way we run our business. It means we are a valuable partner on your net zero journey.

In the first instance, our windows are designed to deliver exceptional thermal efficiency so they can help reduce carbon emissions from heating and cooling. They reach minimum legal thermal efficiency requirements as standard. Many of our products are capable of meeting the most stringent thermal efficiency requirements, including Passivhaus, the leading international low energy design standard.

However, this is just the start of what we have to offer.

We take care over the construction of our products. Our PVC-U windows and doors have a lifespan of up to 40 years and are fully recyclable up to ten times. We include a high level of recycled PVC-U in our products to reduce the embodied carbon without compromising appearance or performance. Our Recycled Composite Material (RCM) Thermal Inserts enhance thermal performance are made from 100% recycled PVC-U. They also improve screw retention to ensure perfect hardware positioning for a better visual appearance and lower maintenance requirements.

We take care over the sourcing of our raw materials. We were the first UK systems house to achieve the VinylPlus® Product Label.

The labelling scheme makes it easy for you to identify the most sustainable and high-performance PVC-U products. We also hold BES 6001 accreditation for responsible sourcing of construction products.

We manufacture all our products in the UK, which helps to reduce transport emissions. Our manufacturing facilities meet the requirements of BS EN ISO 14001 Environmental Management.

Epwin Window Systems has a 20+ year track record of working with public and private sector organisations. We have maintained this record because we understand your requirements and have the solutions to meet them. Our environmental credentials and commitments are the perfect example of this.



# What is the Approved Commercial Manufacturer scheme?

Our Approved Commercial Manufacturer scheme gives you peace of mind that your project is being manufactured and installed by reputable contractors.

Epwin Window Systems Approved Commercial Manufacturers have to meet – and continue to meet – stringent standards such as constructionline or Exor and relevant quality accreditations.

As well as having industry-recognised credentials and considerable commercial experience, they will be skilled in fabricating and installing Epwin Window Systems products, ensuring projects are completed to the highest of standards on time and on budget.

We work closely with your chosen ACM to provide a seamless, reliable partnership you can depend on.



## TEAM FOCUS

### Specification team

Meet our dedicated specification managers who are your point of contact throughout your projects. The Specification team are there for every step of the project beginning to end helping with every aspect. **Get in touch today.**



Lance Clarry  
**Specification Manager**  
T: 01952 283375 | M: 07836 297639  
E: lclarry@epwin.co.uk  
Area Covered - Midlands & South East



Matt Scott  
**Specification Manager**  
T: 01952 290910 | M: 07717 345148  
E: mscott@epwin.co.uk  
Area Covered - Scotland, North East



Nathan Bowers  
**Specification Manager**  
T: 01952 290910 | M: 07836 273992  
E: nbowers@epwin.co.uk  
Area Covered - South West



Rachael Radcliffe  
**Specification Manager**  
T: 01952 290910 | M: 07771 908713  
E: rradcliffe@epwin.co.uk  
Area Covered - North West