



PVC-U System

Commercial Product Guide

EpwinTM
window systems



Welcome

Whatever your project, you will benefit from unrivalled technical and specification support, industry expertise and in-depth knowledge of contracts and building regulations. In other words, you benefit from everything you would expect from a market leader.

Content

About Epwin Window Systems	4	Fully Reversible Window System	
The Advantages of Specifying Epwin Window Systems	6	- Fully Reversible Window	28
Complementary Design and Specification Service	8	Vertical Sliding Sash Window System	
Building Regulations Support	10	- Vertical Sliding Sash Window	30
Approved Commercial Partners	11	Door Systems	
Quality Assurance	12	- Profile 22 Door	32
A Comprehensive Product Range	14	- Spectus Door	34
Casement Windows Systems		- Composite Door	36
- Profile 22 Casement Window	16	- PatioMaster Sliding Door	38
- Spectus Casement Window	18	- Emergency door, NSHEV (AOV) Window	40
- Flush Casement Window	20	Curtain Walling System	42
Tilt & Turn Window Systems		Two-Part Cill System	43
- Profile 22 Tilt & Turn Window	22	Hardware	44
- Spectus Tilt & Turn Window	24	The Colour Collection	46
- Flush Tilt & Turn Window	26	Case studies	48

About 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.

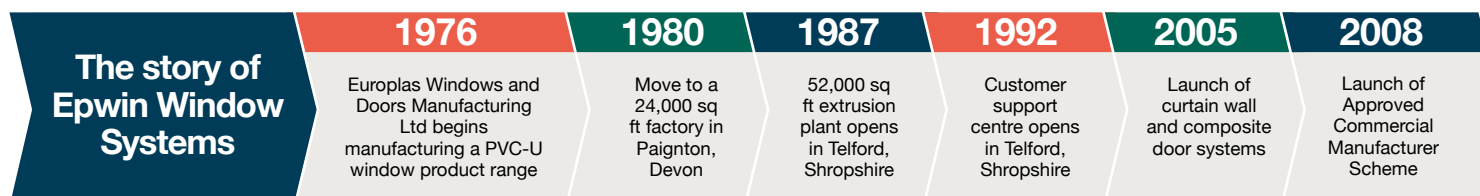
We are a proudly British company and employ over 400 people. We have a powerful track record of investment in UK manufacturing and we recently commissioned a new 300,000 sq ft state-of-the-art distribution centre near our UK headquarters in Telford, Shropshire.

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 Profile 22 window and door system and the established Spectus System. 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.





Long standing pedigree in the Commercial Arena.

Our products have been widely specified and installed into millions of homes, schools, colleges, student accommodation blocks, hospitals and other commercial building throughout that period. Our proven track record has ensured our commercial customers specify our products time and again, as a result of their superior performance, quality, and reliability.

PROFILE22
by Epwin Window Systems

Spectus
by Epwin Window Systems

PatioMaster
by Epwin Window Systems

stellar
by Epwin Window Systems

EpwinTM
window systems

To make our commercial audience aware of our full and complete range, for the first time we are bringing our brands together under a single brand, Epwin Window Systems, providing a single source solution for all your fenestration needs.

- Our leading Profile 22 and Spectus PVC-U windows and door systems
- The class-leading PatioMaster PVC-U Sliding Door system
- Specialist niche window systems such as our Fully Reversible, Flush Casement, Flush Tilt & Turn and Vertical Sliding Sash
- Our dedicated Curtain Walling System
- Plus our rapidly emerging Stellar Aluminium System, covering a broad range of window and door products.

By placing our entire product range under one name, you can see the full extent of our product offer when specifying projects. Everything in one place, with all the usual support you'd come to expect from us – NBS Source, BIM objects, technical support.

A wider network of window contractors is now unlocked wherever you are in the country with our enhanced Approved Commercial Partners.

Find the perfect solution for your project with Epwin Window Systems.



2012

Merger with Spectus

2013

Launch of fully reversible window system

2014

Epwin becomes a PLC

2016

Brand changes to Epwin Window Systems
Launch of Profile 22 new window and door system
Launch of flush tilt & turn window system

2019

Launch of Stellar retail and light commercial aluminium window system
300,000 sq ft distribution centre opens in Telford Shropshire

2022

Epwin Window Systems re-branding

The Advantages of Specifying Epwin Window Systems

As one the UK's largest and longest established manufacturers and suppliers of window and door systems, we have impeccable credentials as a partner.

Why specify PVC-U windows and doors on your projects?

PVC-U is thermally efficient, weatherproof, low maintenance and durable, making it a cost-effective solution that is ideal for commercial projects. At the same time, its visual appeal and impressive design flexibility mean there is no compromise on project aesthetics.

These benefits are taken to the next level when you partner with Epwin Window Systems.

Unparalleled design flexibility

Our PVC-U commercial systems offer impressive design flexibility to allow you to deliver projects that meet the most exacting design specifications. Our products are available in a wide range of colours, so they can suit every architectural style.

Industry-leading security

We are a BS EN 12608/PAS 24 window and door system supplier, meaning our products meet enhanced security performance requirements as standard.

We are a Secured by Design member, which means our products are capable of meeting the requirements of this UK Police initiative that supports the principles of 'designing out crime' by use of effective crime prevention and security product standards.

We use hardware from leading industry names such as Yale that not only protect homes and people but also require less maintenance so reduce ongoing running costs.

PAS 24





Impressive thermal efficiency

All our products are designed to maximise thermal efficiency and meet regulatory requirements as well as help you to meet your environmental targets during your building's lifespan.

Examples of our innovation include the use of recycled reinforcement material in our systems and our unique Aeroframe™ insulation technology. We have also invested over £10 million in manufacturing tooling, which makes us the only business in the industry to ensure our systems are thermally efficient by design.

Future-proofed performance

Epwin Window Systems products are built to last, delivering a long-term solution that helps reduce ongoing maintenance costs and extend lifetime performance.

Our profiles are guaranteed for 10 years as standard. Our colour finishes are covered by guarantees of between 7.5 years and 15 years. Hardware supplied by us for use on our products is fully covered by manufacturers' warranties.

Sustainability

Epwin Window Systems is committed to control and minimise its environmental impact and to working in a sustainable manner. This includes the integration of economic, social, and environmental factors in all elements of the business.

Our sustainability approach is part of a wider Group strategy which includes the recent acquisition by Epwin Group of Poly-Pure Ltd, a leading recycler of post-consumer PVC-U window and door frames. This exciting development, fully closes our recycling loop.

The Building Research Establishment has given PVC-U windows and doors a lifespan of more than 40 years. Research from the British Standards Institute shows that each PVC-U product can be recycled over 10 times and still maintain performance, it can have a total life span of 350 years, making it one of the most sustainable materials available to the construction industry.

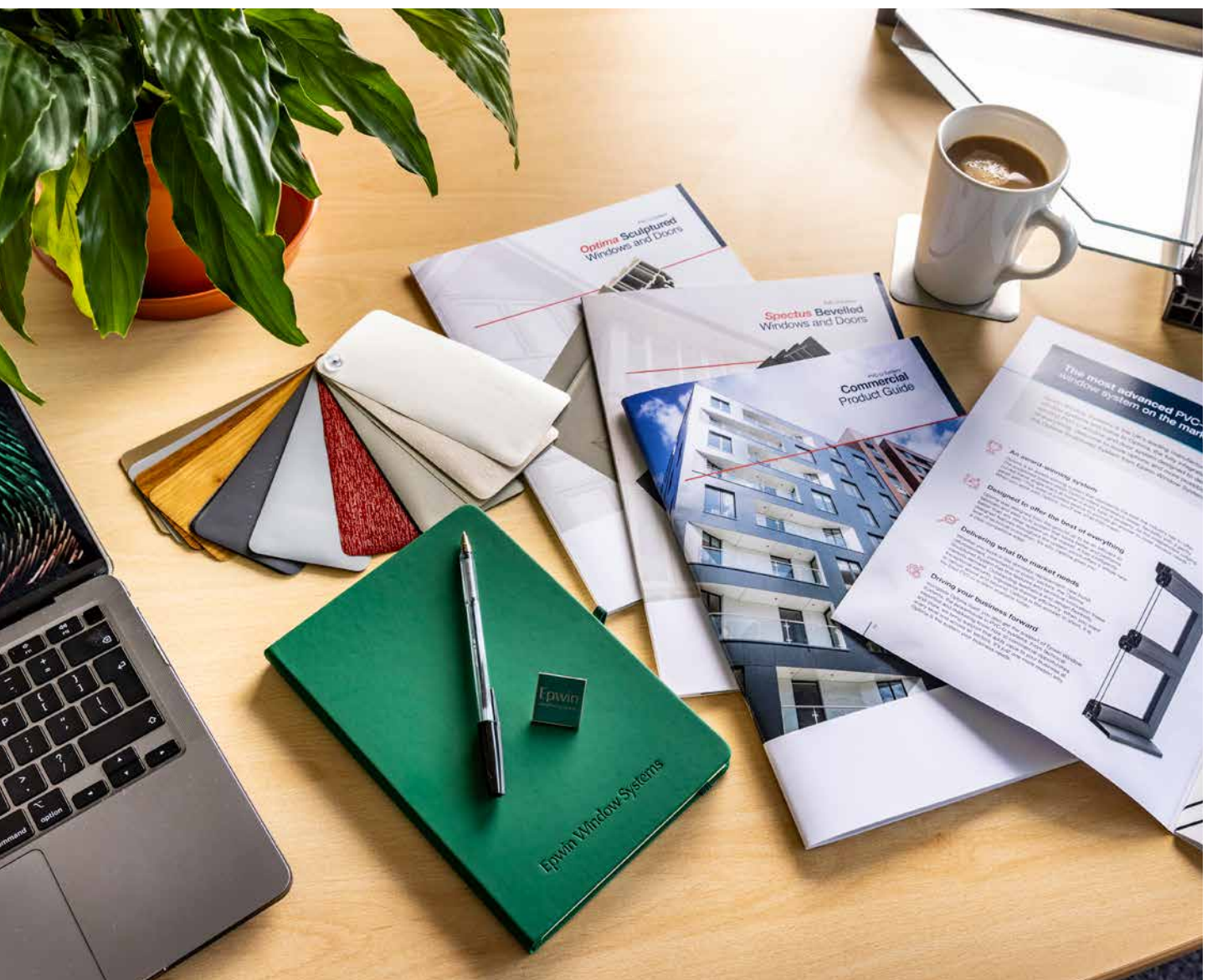
We extrude our window and door profiles in Telford, UK, a plant accredited to the ISO14001 - Environmental Management Systems & BES 6001 - Responsible Sourcing of Construction Products standards. This is currently the only PVC-U window system extrusion facility in the UK with BES 6001 accreditation.

We were the first UK systems house to achieve the VinylPlus® Product Label. The labeling scheme makes it easy for customers and markets to identify the most sustainable and high-performance PVC-U products available.



Complementary Design and Specification Service

Our complementary design support service is part of our commercial support, whether you are working on two buildings 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 provides 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.

Stakeholder liaison

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

Embracing technology

Epwin Window Systems has partnered with NBS Source enabling you to save time in the specification process.

NBS Source allows you to specify our products directly into projects, importing the enhanced product data directly from NBS Source into your specification document via NBS Chorus.

Essential information including BIM objects and certifications is also available.



Building Regulations Support

Building regulations set out minimum standards for design, construction and alterations to virtually every building. The regulations are developed by the UK government and approved by Parliament.

COMPLIANT
WITH ALL
BUILDING
REGULATIONS

Approved Documents set out detailed practical guidance on compliance with the regulations and are updated as new requirements pass into legislation.

The Approved Documents relevant to windows and doors are:

Part B – Fire safety

Part E – Resistance to the passage of sound

Part F – Ventilation

Part K – Protection from falling, collision and impact

Part L – Conservation of fuel and power

Part M – Access to and use of buildings

Part O – Overheating

Part Q – Security

We will work closely with you and any other partners involved in your project to ensure your window and door specification meets – or exceeds – minimum legal requirements.

We also stay up-to-date with future changes, so we can advise on future-proofing your buildings.





Approved Commercial Partner



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

Epwin Window Systems Approved Commercial Partners have to meet – and exceed – stringent standards such as constructionline, 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 partner to provide a seamless, reliable partnership you can depend on.



Quality Assurance

As the UK's leading systems brand Epwin Window Systems holds all the accreditations you need to meet your requirements.



BS EN ISO 9001

BSI Registered firm scheme: Quality Management Systems.



BS EN ISO 14001

Manufactured under an ISO 14001 Registered Environmental Management System.



BS ISO 45001

Occupational Health and Safety Management Systems.



BS EN 12608/PAS 24

Enhanced Security Window System Supplier.



BS EN 12608/PAS 24

Enhanced Security Door System Supplier.



BS EN 12608

PVC-U Profiles for the Fabrication of Windows and Doors.



BS 8529/PAS 24

Enhanced Security Composite Door System Supplier.



Secured by Design

The UK Police initiative supporting the principles of 'designing out crime' by use of crime prevention and security standards.

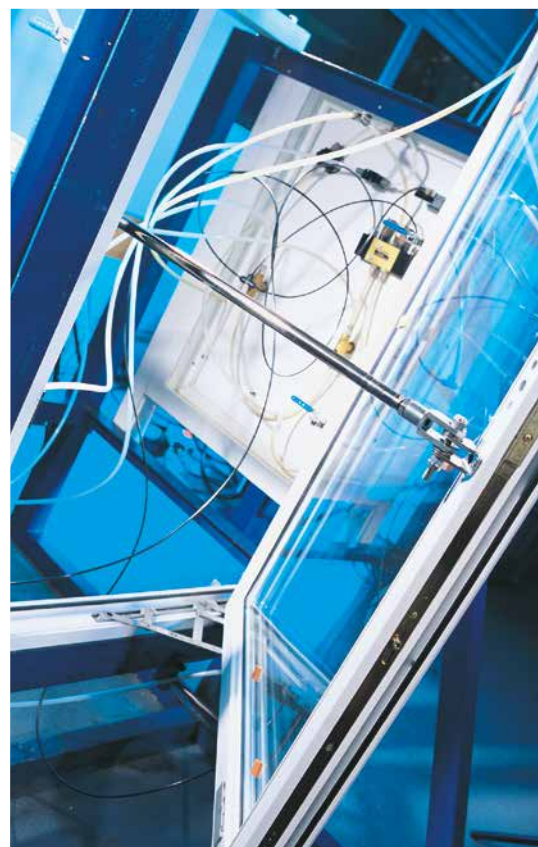


VinylPlus

A labelling scheme to identify the most sustainable and high-performance PVC-U products.

Tested to the highest standards

Every aspect is continually tested and assessed to ensure it offers excellence in every respect. All products meet current Building Regulations as standard and many can provide solutions far above these requirements. It means that no matter how demanding your project, our products will be able to deliver.





A Comprehensive Product Range

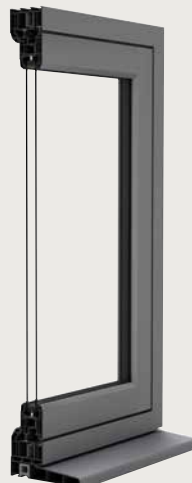
Epwin Window Systems has a strong track record in working with public and private sector partners to provide secure, low maintenance and thermally efficient buildings.



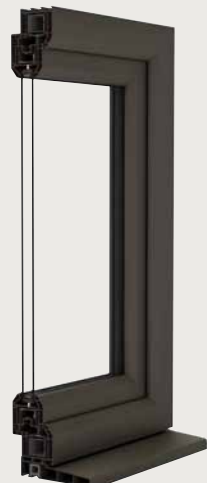
Profile 22 Casement Window System
Page 16



Spectus Casement Window System
Page 18



Flush Casement Window System
Page 20



Profile 22 Tilt & Turn Window System
Page 22



Profile 22 Door System
Page 32



Spectus Door System
Page 34



Composite Door System
Page 36



PatioMaster Sliding Door System
Page 38

30 different colourways Using a complementary base colour for better looking installations. See page 46



Grey Base



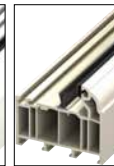
Tan Base



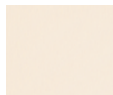
Brown Base



White Base



Cream Base



Cream



Claystone



Pebble Grey



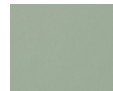
Windsor



Sage Smooth



Agate Grey



Chartwell Green



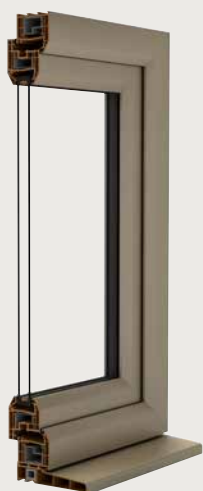
Irish Oak*



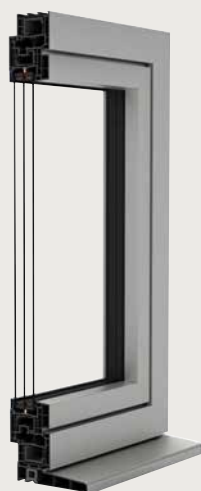
Honey Oak Super-Matt*



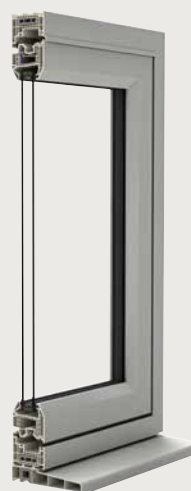
Light Oak



Spectus Tilt & Turn Window System
Page 24



Flush Tilt & Turn Window System
Page 26



Fully Reversible Window System
Page 28



Vertical Sliding Sash Window System
Page 30



Emergency Systems
Page 40



Curtain Walling System
Page 42



Two-Part Cill System
Page 44



Hardware
Page 45



Pyrite



AnTeak



Swamp Oak*



Rosewood



Black Brown



Flemish Gold Smooth



White



Dark Red



Steel Blue



Dark Green



Black Ulti-Matt



Silver D Smooth



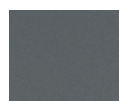
Hazy Grey



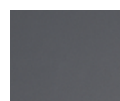
Kensington Grey



Buckingham Grey



Basalt Grey Smooth



Slate Grey Finesse



Slate Grey



Anthracite Grey



Anthracite Grey Smooth

Profile 22 Casement Window System

The Profile 22 Casement Window is suitable for almost any size of aperture or design layout, including bay and bow windows. It is an internally glazed system that can be specified with single top or side hung openers and multi-lights.

1 24, 28, 36, 40 & 44mm glazing options

2 5 chamber sash with optional RCM inserts available

3 Outer frame / sash centre seals

4 10mm cover on weather seals

5 6 chamber outer frame with optional RCM inserts

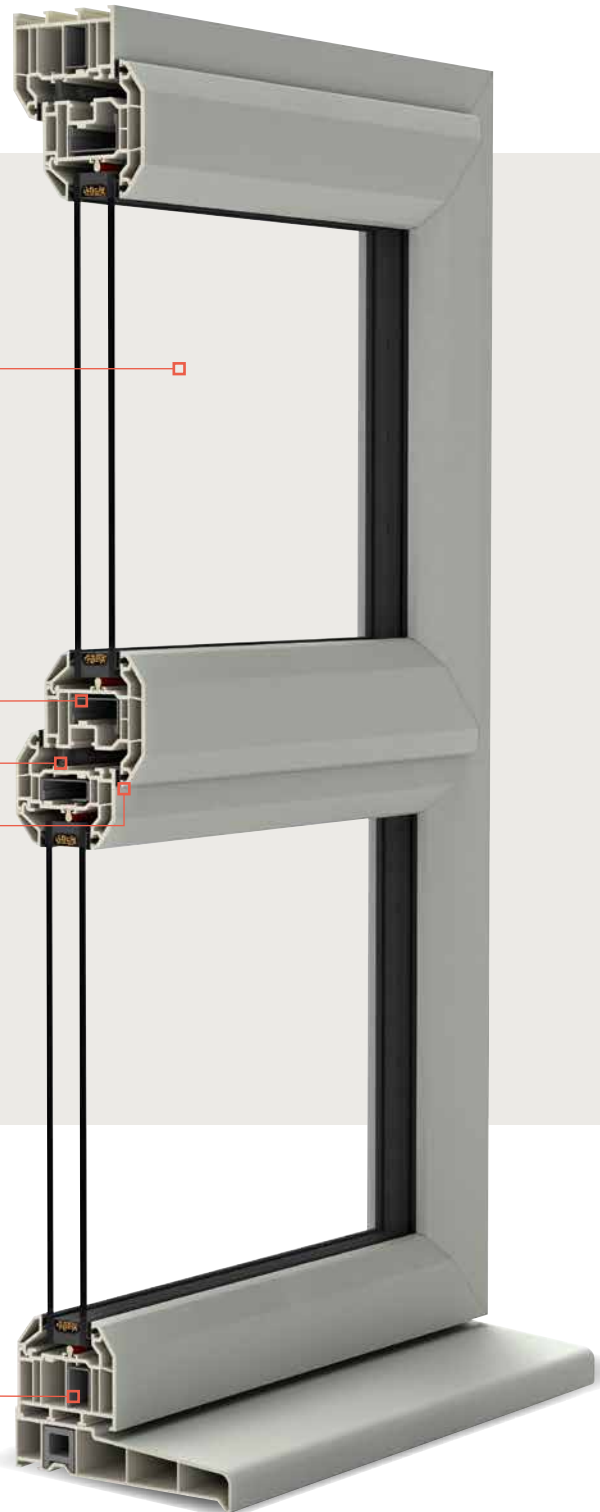
Profile shape options



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

Aesthetic credentials

- Chamfered or sculptured options
- Consistent detailing across the system
- Colour options (see page 46)

Performance

Window Energy Rating of band A++

U-values as low as 0.8 W/m²K

Acoustics up to 44 dB

Top Hung	Test	Pressure
Air Permeability	Class 3	600Pa
Water Tightness	Class 9A	600Pa
Wind Resistance	Class BE2400	2400Pa

Side Hung	Test	Pressure
Air Permeability	Class 4	600Pa
Water Tightness	Class E1500	1500Pa
Wind Resistance	Class CE2400	2400Pa

French Casement	Test	Pressure
Air Permeability	Class 2	300Pa
Water Tightness	Class 7A	300Pa
Wind Resistance	Class B4	1600Pa

Sash Sizes

	Max Width (mm)	Max Height (mm)
Top Hung	1240	1240
Side Hung	740	1340
French Casement	740	1277

Available as BIM object at



Spectus Casement Window System

The Spectus Casement Window is available in a range of styles, including bay and bow windows. It can be specified with single top or side hung openers or multi-lights. It can be internally or externally glazed.

1 24, 28, 36, 40 & 44mm glazing options

2 Optional RCM inserts available

3 5 Chamber sash & outer frame

4 85, 110, 150, 180, 225mm cill options

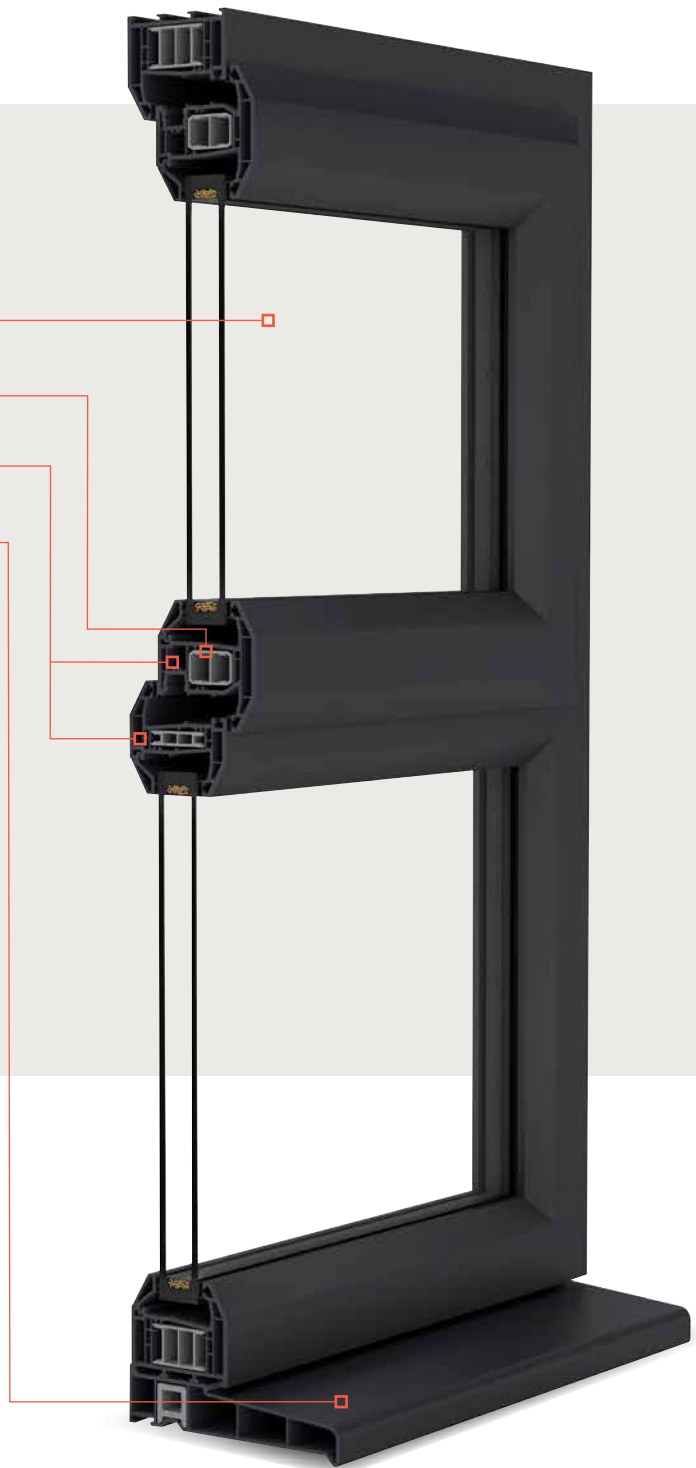
Profile shape options

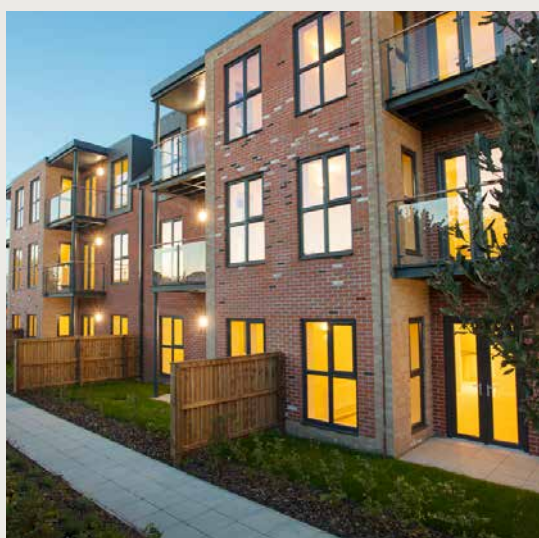


Bevelled



Ovolo





At-a-glance

Practical credentials

- Impressive aesthetics
- Powerful performance
- Intelligent design
- Long life span of 40+ years
- Glazing options from 24mm to 44mm

Aesthetic credentials

- Bevelled or ovolo options
- Consistent detailing across the system
- Colour options (see page 46)

Performance

Window Energy Rating of band A++

U-values as low as 0.8 W/m²K

Acoustics up to 41 dB

Top Hung	Test	Pressure
Air Permeability	Class 2	300Pa
Water Tightness	Class 9A	600Pa
Wind Resistance	Class A4	1600Pa

Side Hung	Test	Pressure
Air Permeability	Class 3	600Pa
Water Tightness	Class 9A	600Pa
Wind Resistance	Class A5	2000Pa

Sash Sizes

	Max Width (mm)	Max Height (mm)
Top Hung	1240	1240
Side Hung	740	1340

Available as BIM object at



Flush Casement Window System

The Flush Casement Window replicates the original features of timber casement windows more accurately than rival products whilst offering superior thermal performance. It is available with mechanical joint options and fully welded construction.

1 Traditional putty line edge detail

2 Mechanically jointed outer frame & sash

3 Optional deep bottom rail

4 Optional sash centre seal

5 Outer frame sash seal

6 6 chamber outer frame (with optional RCM inserts)

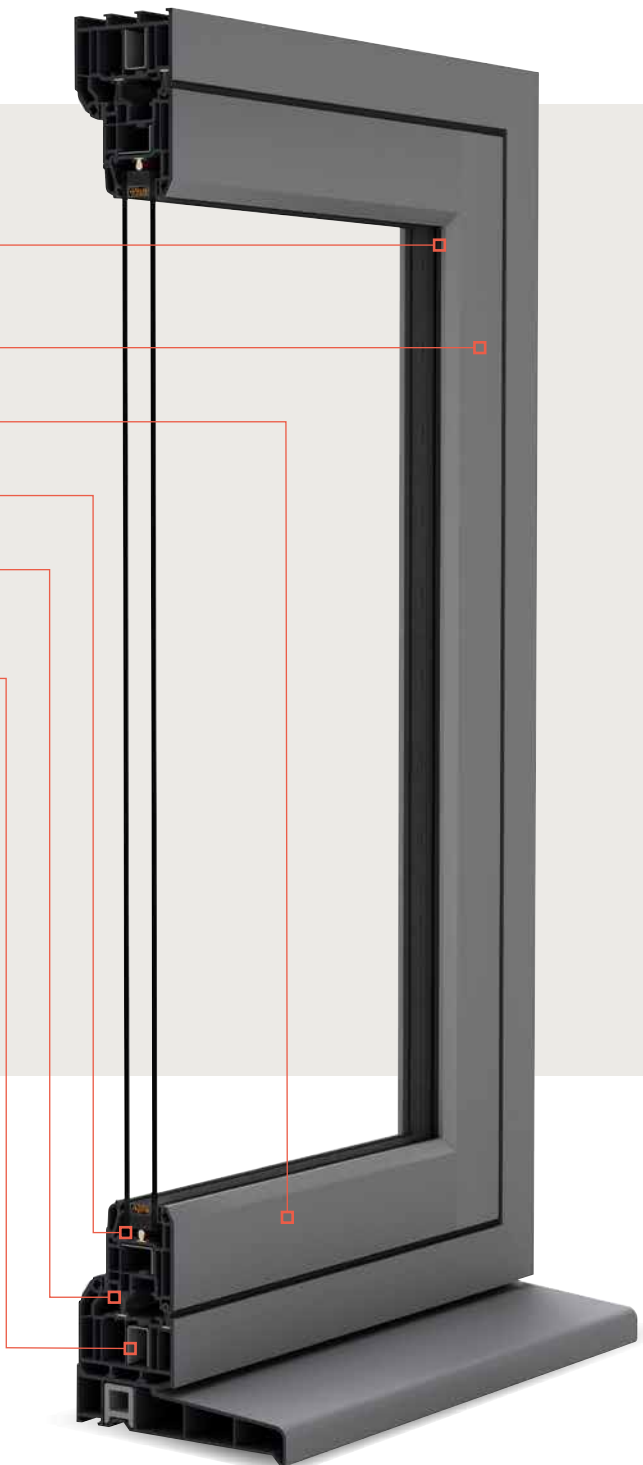
Profile shape options

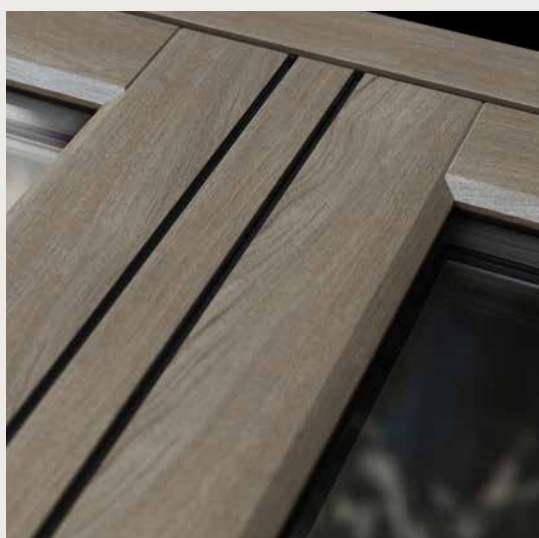


Standard Bottom Rail



Deep Bottom Rail





At-a-glance

Practical credentials

- Mechanically jointed option
- Deep bottom rails
- Child safety restrictors
- Glazing options from 24mm to 44mm

Aesthetic credentials

- Heritage style
- Colour options (see page 46)

Performance

Window Energy Rating of A+
U-values as low as 1.2 W/m²K
Acoustics up to 44 dB

Top Hung	Test	Pressure
Air Permeability	Class 3	600Pa
Water Tightness	Class 9A	600Pa
Wind Resistance	Class C3	1200Pa

Side Hung	Test	Pressure
Air Permeability	Class 3	600Pa
Water Tightness	Class 9A	600Pa
Wind Resistance	Class CE2400	2400Pa

French Casement	Test	Pressure
Air Permeability	Class 4	600Pa
Water Tightness	Class 9A	600Pa
Wind Resistance	Class B4	1600Pa

Sash Sizes

	Max Width (mm)	Max Height (mm)
Top Hung	1210	910
Side Hung	710	1310
French Casement	710	1310

Available as BIM object at



Profile 22 Tilt & Turn Window System

The Profile 22 Tilt & Turn Window has a higher glass-to-frame ratio to deliver light, bright spaces. It has been expressly designed for installation in high, exposed or difficult access locations and offers market-leading structural strength and security.

1 24, 28, 36, 40 & 44mm glazing options

2 Concealed hardware

3 Optional sash & outer frame centre seals

4 5 chamber sash

5 5 chamber outer frame with optional RCM inserts available

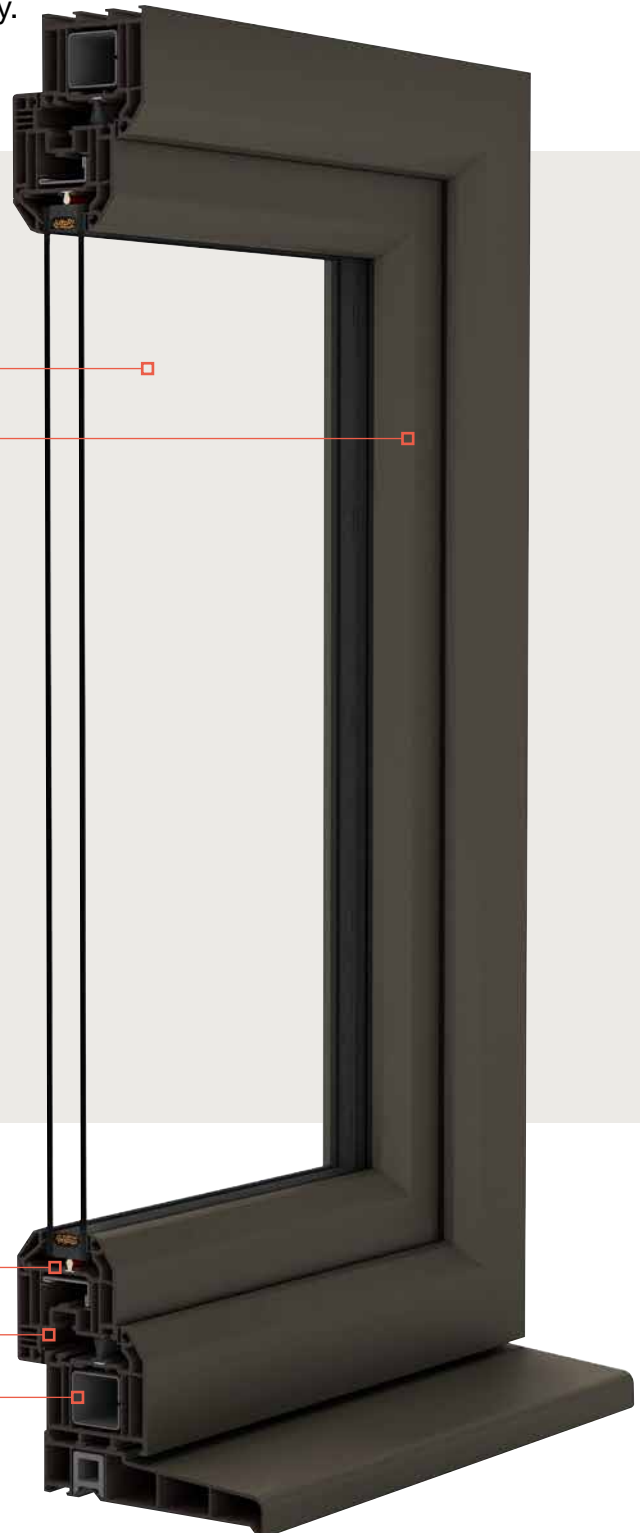
Profile shape options



Chamfered



Sculptured





At-a-glance

Practical credentials

- Versatile
- Structural strength and security
- Low maintenance
- Long life span of 40+ years
- Glazing options from 24mm to 44mm

Aesthetic credentials

- Chamfered or sculptured options
- Consistent detailing across the system
- Colour options (see page 46)

Performance

Window Energy Rating of band A++

U-values as low as 0.8 W/m²K

Acoustics up to 44 dB

	Test	Pressure
Air Permeability	Class 4	600Pa
Water Tightness	Class E750	750Pa
Wind Resistance	Class CE2400	2400Pa

Sash Sizes

	Max Width (mm)	Max Height (mm)
Size	1436	1535

Spectus Tilt & Turn Window System

The Spectus Tilt & Turn Window features a dual opening action. The tilt before turn operation provides improved child safety and means the windows can be cleaned inside and out without risk, making it suitable for high-rise applications.

1 24, 28, 36, 40 & 44mm glazing options

2 5 chamber sash & outer frame

3 85, 110, 150, 180, 225mm cill options

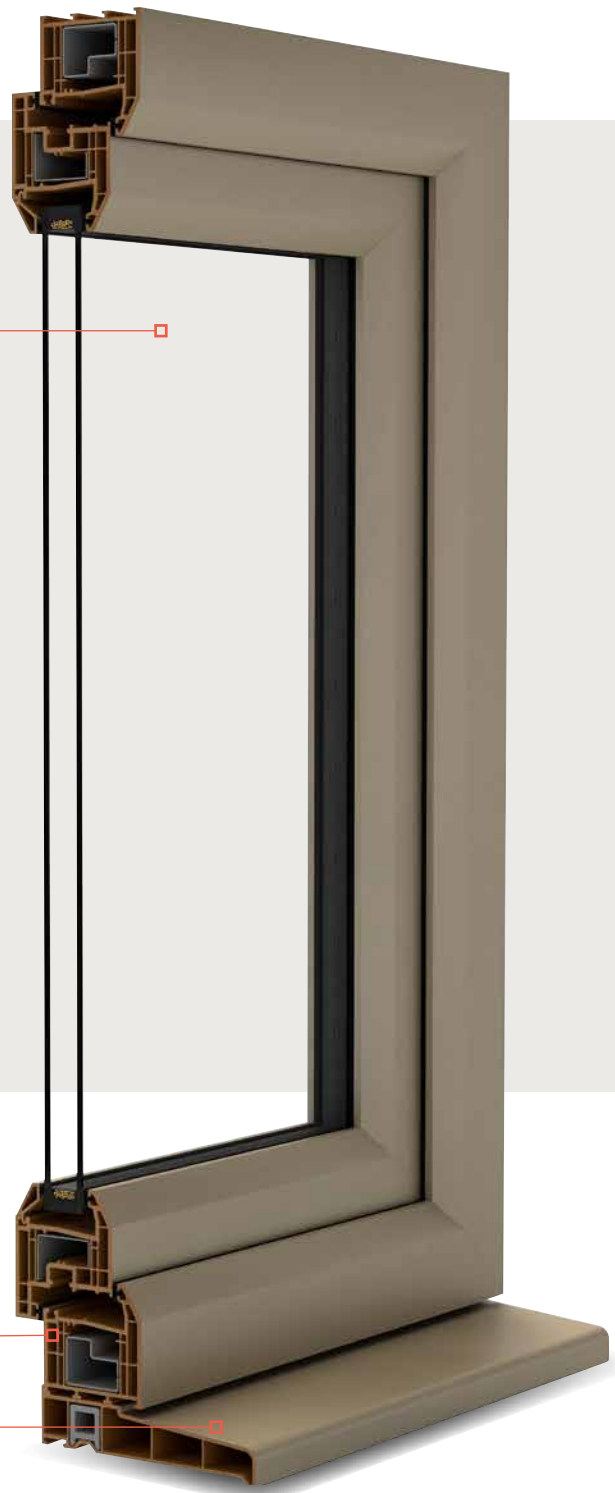
Profile shape options

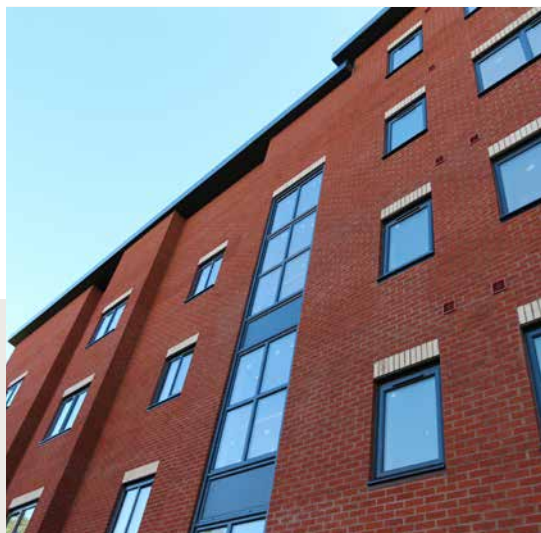


Bevelled



Ovolo





At-a-glance

Practical credentials

- Security
- Thermal efficiency
- Weather tightness
- Low maintenance
- Long life span of 40+ years
- Glazing options from 24mm to 44mm

Aesthetic credentials

- Bevelled or ovolo options
- Consistent detailing across the system
- Colour options (see page 46)

Performance

Window Energy Rating of A++
U-values as low as 0.8 W/m²K
Acoustics up to 37 dB

	Test	Pressure
Air Permeability	Class 4	600Pa
Water Tightness	Class 7A	300Pa
Wind Resistance	Class A4	1600Pa

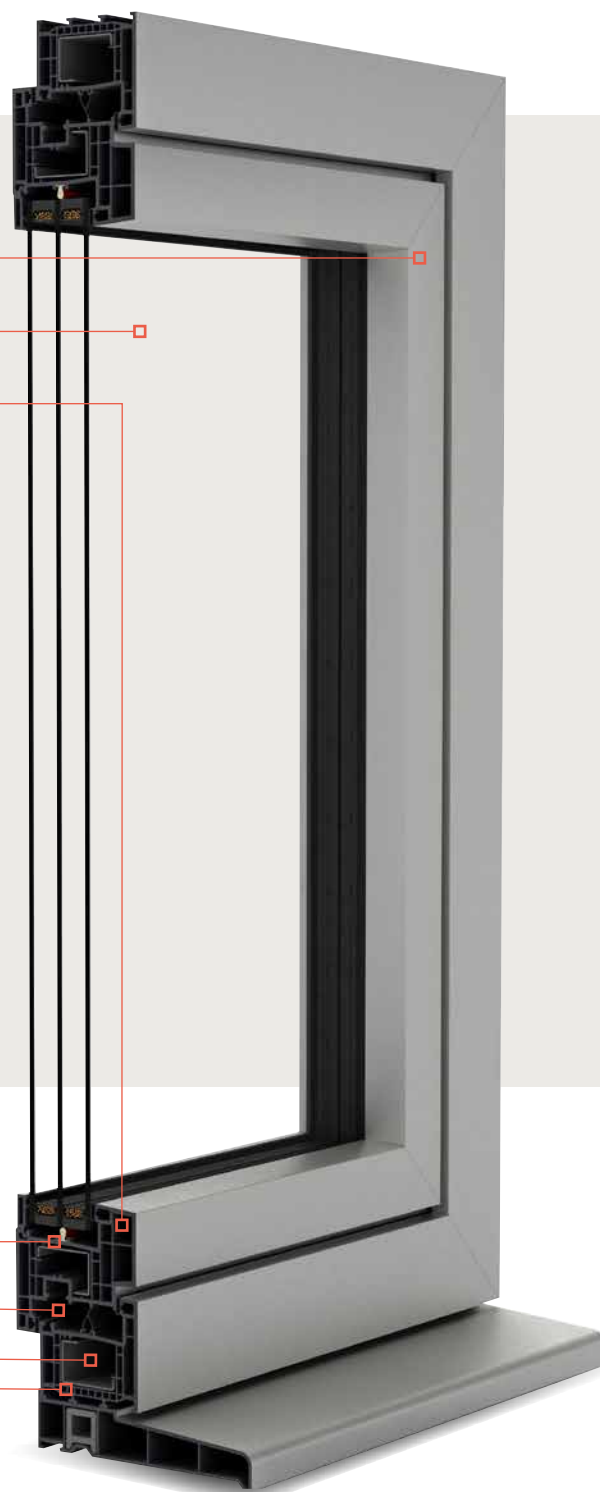
Sash Sizes

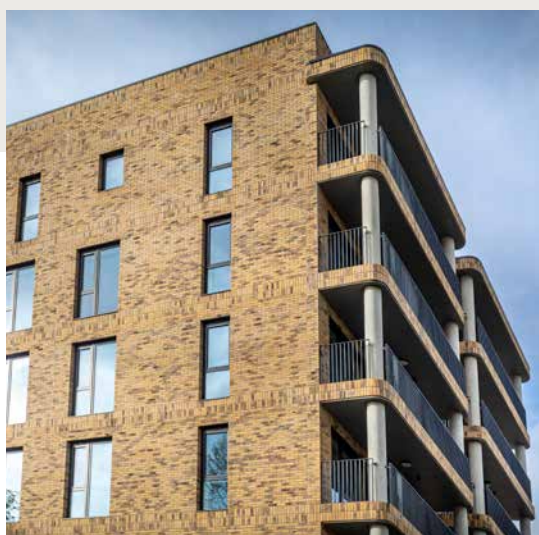
	Max Width (mm)	Max Height (mm)
Size	1386	1500

Flush Tilt & Turn Window System

The Flush Tilt & Turn Window System has the sash positioned inside the frame, avoiding the frame overlap for superior flush aesthetics. It is suitable for large aperture openings, helping to create airy, light-filled spaces. The excellent security and energy performance make an ideal solution for high-rise buildings or coastal locations.

- 1 Concealed hardware
- 2 28, 36, or 44mm glazing options
- 3 86mm deep sash
- 4 Optional centre seals in sash & outer frame
- 5 RCM inserts
- 6 Patented Aeroframe™ technology





At-a-glance

Practical credentials

- Slim, sleek and secure
- Excellent performance
- Solution for every sector
- Large-sized window options
- AeroframeTM technology
- Glazing options from 24mm to 44mm

Aesthetic credentials

- Chamfered or sculptured options
- Consistent detailing across the system
- Sleek and modern look
- Colour options (see page 46)

Performance

Window Energy Rating of A++
U-values as low as 0.8 W/m²K
Acoustics up to 38 dB

	Test	Pressure
Air Permeability	Class 4	600Pa
Water Tightness	Class 9A	600Pa
Wind Resistance	Class AE2400	2400Pa

Sash Sizes

	Max Width (mm)	Max Height (mm)
Size	1390	2240

Available as BIM object at



Fully Reversible Window System

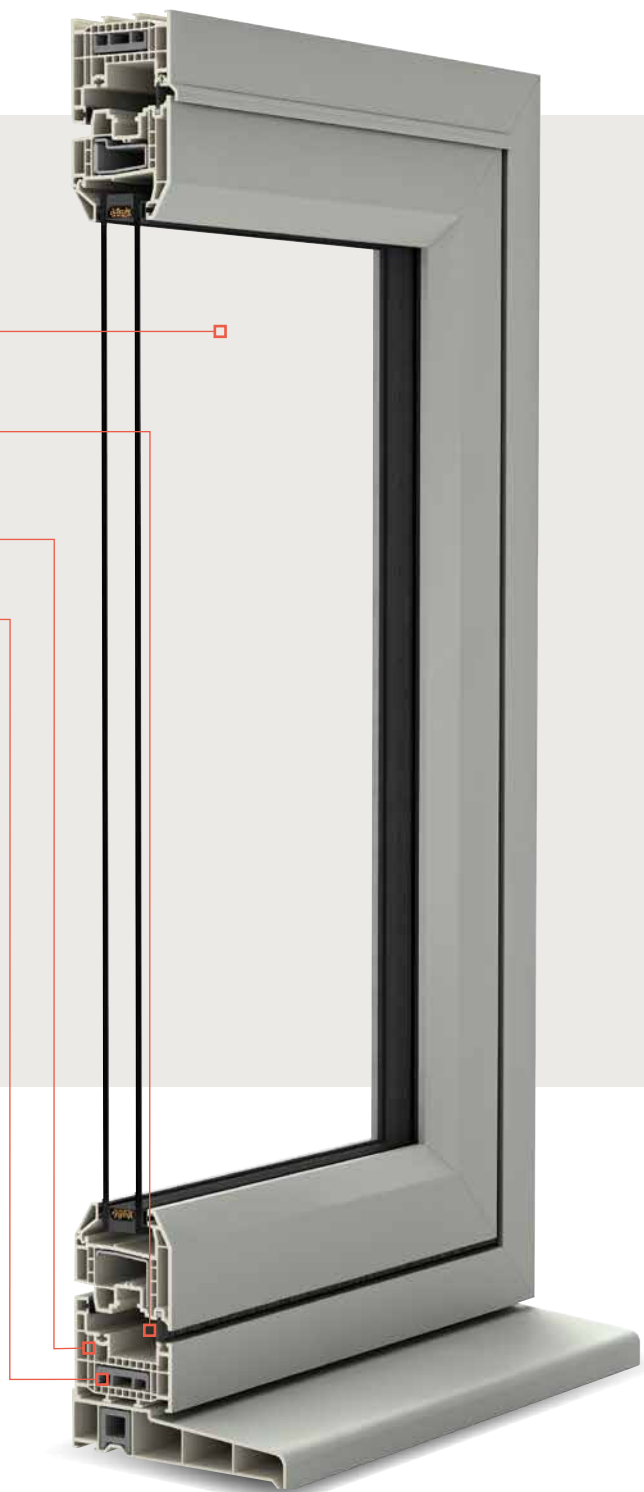
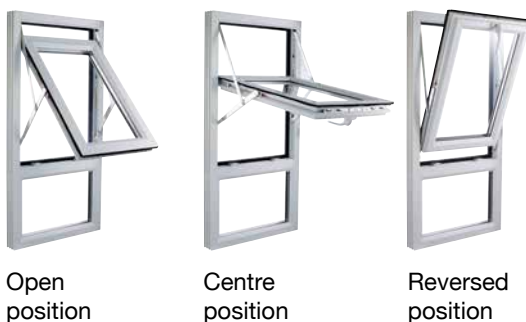
The Fully Reversible Window System has been specially designed for medium and high-rise applications and inaccessible locations. The window rotates 180° allowing for safe and easy cleaning of the outside pane without entering the room space. It is fitted with security locking and a child safety catch that automatically restricts the window positions to ensure maximum safety.

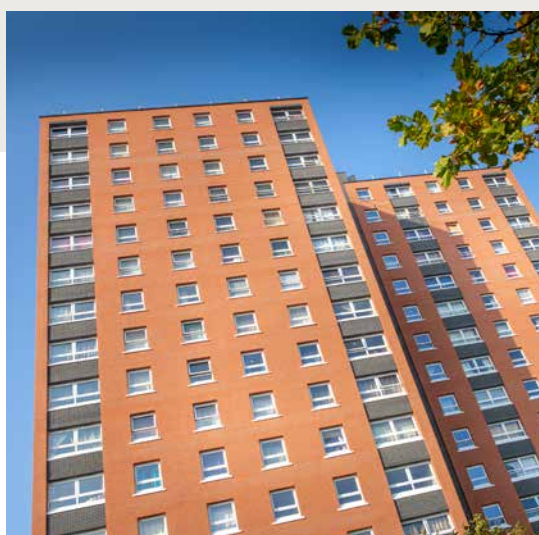
1 24, 28, 36, 40 & 44mm glazing options

2 5 optional 2nd & 3rd weather seals for even better thermal performance

3 5 chamber outer frame & sash (with optional RCM inserts available)

4 Patented Aeroframe™ technology





At-a-glance

Practical credentials

- Security
- Thermal efficiency
- Weather tightness
- AeroframeTM technology
- Low maintenance
- Long life span of 40+ years
- Glazing options from 24mm to 44mm

Aesthetic credentials

- Chamfered or sculptured options
- Modern appearance
- Colour options (see page 46)

Performance

Window Energy Rating of A++

U-values as low as 0.8 W/m²K

Acoustics up to 40 dB

	Test	Pressure
Air Permeability	Class 4	600Pa
Water Tightness	Class E1500	600Pa
Wind Resistance	Class AE2400	2400Pa

Sash Sizes

	Max Width (mm)	Max Height (mm)
Size	1235	1356

Available as BIM object at

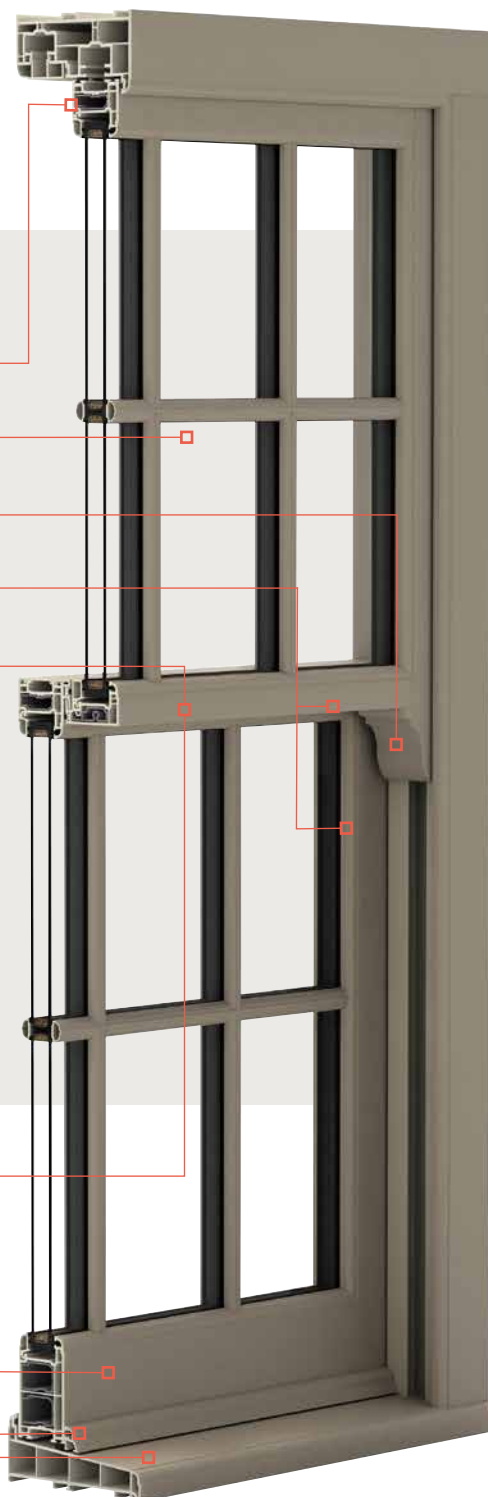


Vertical Sliding Sash Window System

The market leading Vertical Sliding Sash Window System has all the features of a traditional box sash timber window and is widely accepted for use by conservation officers in heritage and listed buildings.

It offers all the safety, security and thermal efficiency benefits of a modern-day PVC-U window with a choice of welded or mechanically jointed options.

- 1 Thermal inserts for improved WER & U-values
- 2 24mm double glazing as standard
- 3 Run through or screw on horn options
- 4 Two sash profile widths to give equal vertical sightlines
- 5 New 37mm slim meeting rail
- 6 Mechanically jointed deep bottom rail option
- 7 Weather bar
- 8 150 & 210mm cill options





At-a-glance

Practical credentials

- Impressive performance
- Valuable practicality
- Compatible with hardware range
- Long life span of 40+ years
- Glazing options from 24mm
- Timber alternative

Aesthetic credentials

- Authentic Heritage appearance
- Cleaner sightlines deliver maximum light
- Endless style options
- Dedicated ancillaries, caps and cills
- Colour options (see page 46)

Performance

Window Energy Rating of A+
U-values as low as 1.4 W/m²K
Acoustics up to 37 dB

	Test	Pressure
Air Permeability	Class 3	600Pa
Water Tightness	Class 5A	200Pa
Wind Resistance	Class A5	2000Pa

Window Sizes

	Max Width (mm)	Max Height (mm)
Size	1200	1600

Epwin Window Systems is happy to validate window sizes of 1600mm x 6000mm (WxH)

Available as BIM object at



Profile 22

Door System

The Profile 22 Door is a strong, slim, tough, durable and insulating solution for residential applications. It is a flexible solution with variations offering low threshold options and open-out options. The solution is also suitable for fire escapes and safety doors.

1 24, 28, 36, 40 & 44mm glazing options

2 Optional sash centre seals

3 5 chamber open in sash

4 Part Q & M compliant

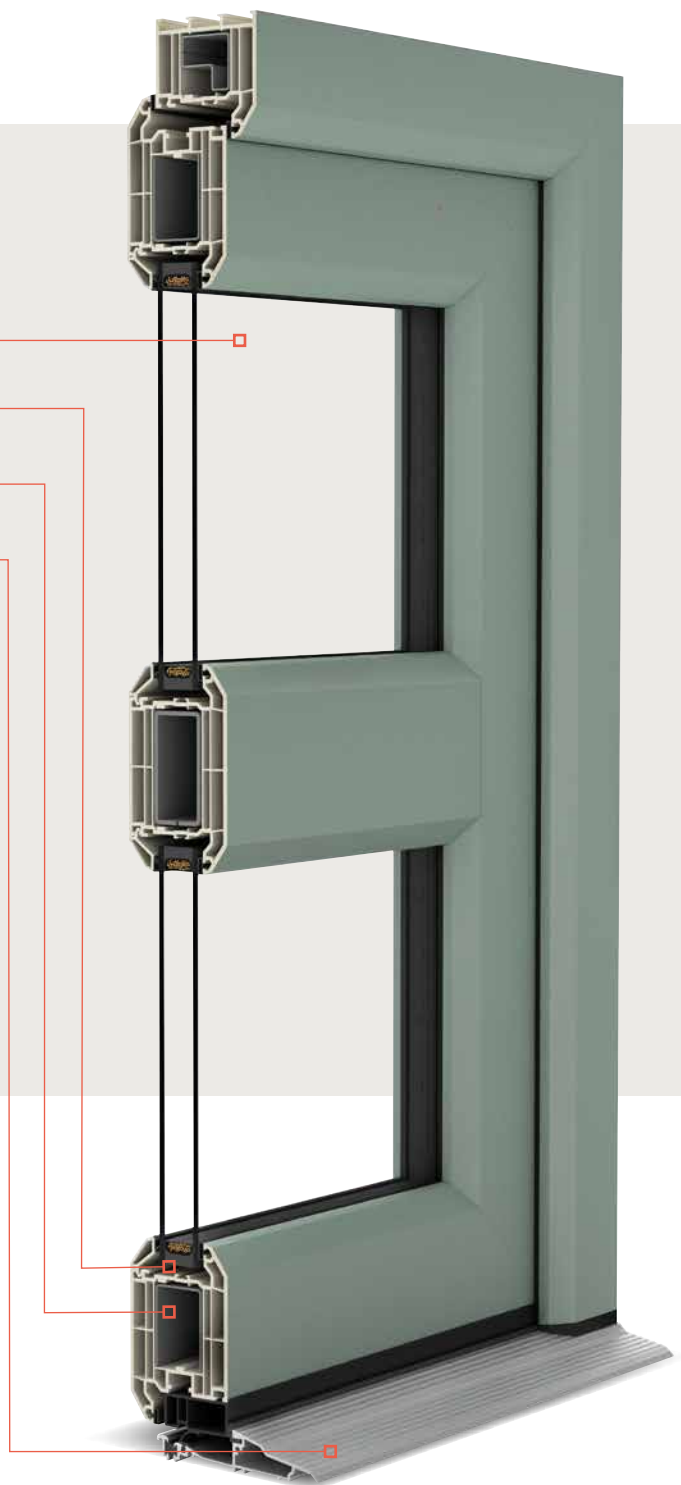
Profile shape options



Chamfered



Sculptured





At-a-glance

Practical credentials

- Security
- Thermal efficiency
- Weather tightness
- Low maintenance
- Long life span of 40+ years
- Glazing options from 24mm to 44mm

Aesthetic credentials

- Chamfered or sculptured options
- Consistent detailing across the system
- Colour options (see page 46)

Performance

Window Energy Rating of A++

U-value as low as 0.8 W/m²K

Acoustics up to 44 dB

	Test	Pressure
Air Permeability	Class 2	300Pa
Water Tightness	Class 3A	100Pa
Wind Resistance	Class A3	1200Pa

French door	Test	Pressure
Air Permeability	Class 2	300Pa
Water Tightness	Class 3A	100Pa
Wind Resistance	Class A3	1200Pa

Maximum Leaf Sizes

	Max Width (mm)	Max Height (mm)
Size	919	2151

Spectus

Door System

The Spectus door is available in a variety of styles and sizes. The multi-chambered profile allows for fully enclosed recycled composite material (RCM) thermal inserts, aluminium and/or steel reinforcements to support your thermal efficiency, sustainability and security requirements.

1 24, 28, 36, 40 & 44mm glazing options

2 5 chamber sash & outer frame

3 Part M compliant

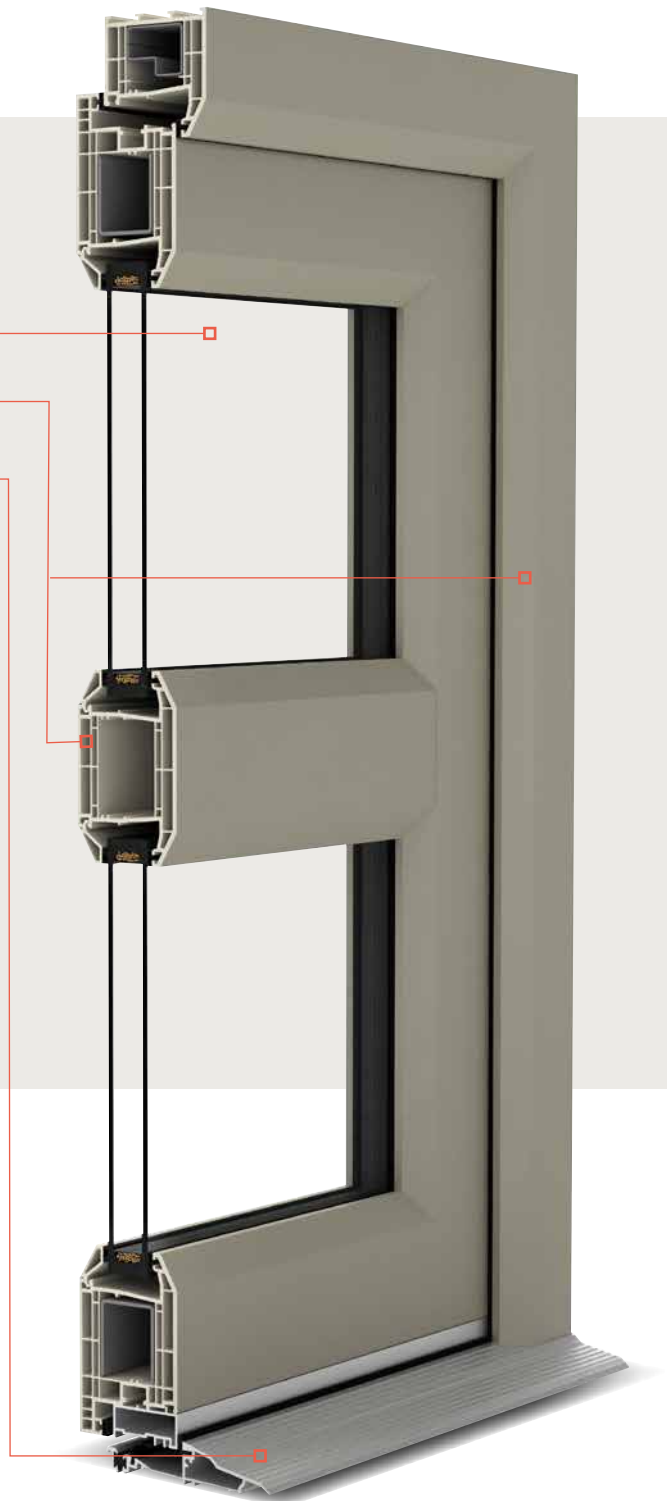
Profile shape options



Bevelled



Ovolo





At-a-glance

Practical credentials

- Security
- Thermal efficiency
- Weather tightness
- Low maintenance
- Long life span of 40+ years
- Glazing options from 24mm to 40mm

Aesthetic credentials

- Bevelled or ovolo options
- Consistent detailing across the system
- Colour options (see page 46)

Performance

Window Energy Rating of A++

U-values as low as 0.8 W/m²K

Acoustics up to 41 dB

Residential door	Test	Pressure
Air Permeability	Class 3	600Pa
Water Tightness	Class 5A	200Pa
Wind Resistance	Class C4	1600Pa

French door	Test	Pressure
Air Permeability	Class 2	300Pa
Water Tightness	Class 2A	150Pa
Wind Resistance	Class A3	1200Pa

Maximum Leaf Sizes

	Max Width (mm)	Max Height (mm)
Size	950mm	2151mm

Composite Door System

The composite door range delivers a hard-wearing but attractive entrance door and fire door solutions. Frames can be bevelled, chamfered or sculptured for a seamless finish with the window systems.

- 1 70mm depth outer frame
- 2 5 chamber open in sash
- 3 Part Q & M compliant
- 4 Outer frame reinforced with steel or aluminium
- 5 RCM inserts
- 6 Open-in or open-out options with dedicated threshold system
- 7 Single door, double door or coupled door sets



Foam core slab



Solid core slab





At-a-glance

Practical credentials

- Security
- Thermal efficiency
- Weather tightness
- Low maintenance
- Long life span of 40+ years
- Glazing options from 24mm to 48mm
- Compatible with CD70 universal composite door outer frame

Aesthetic credentials

- Timber alternative
- Colour options (see page 46)

Performance

Window Energy Rating of A+
U-values as low as 1.4 W/m²K
Steel enforced outer frame

	Test	Pressure
Air Permeability	Class 4	600Pa
Water Tightness	Class 2A	50Pa
Wind Resistance	Class C2	800Pa

Maximum Leaf Sizes

	Max Width (mm)	Max Height (mm)
Size	-	2010

PatioMaster

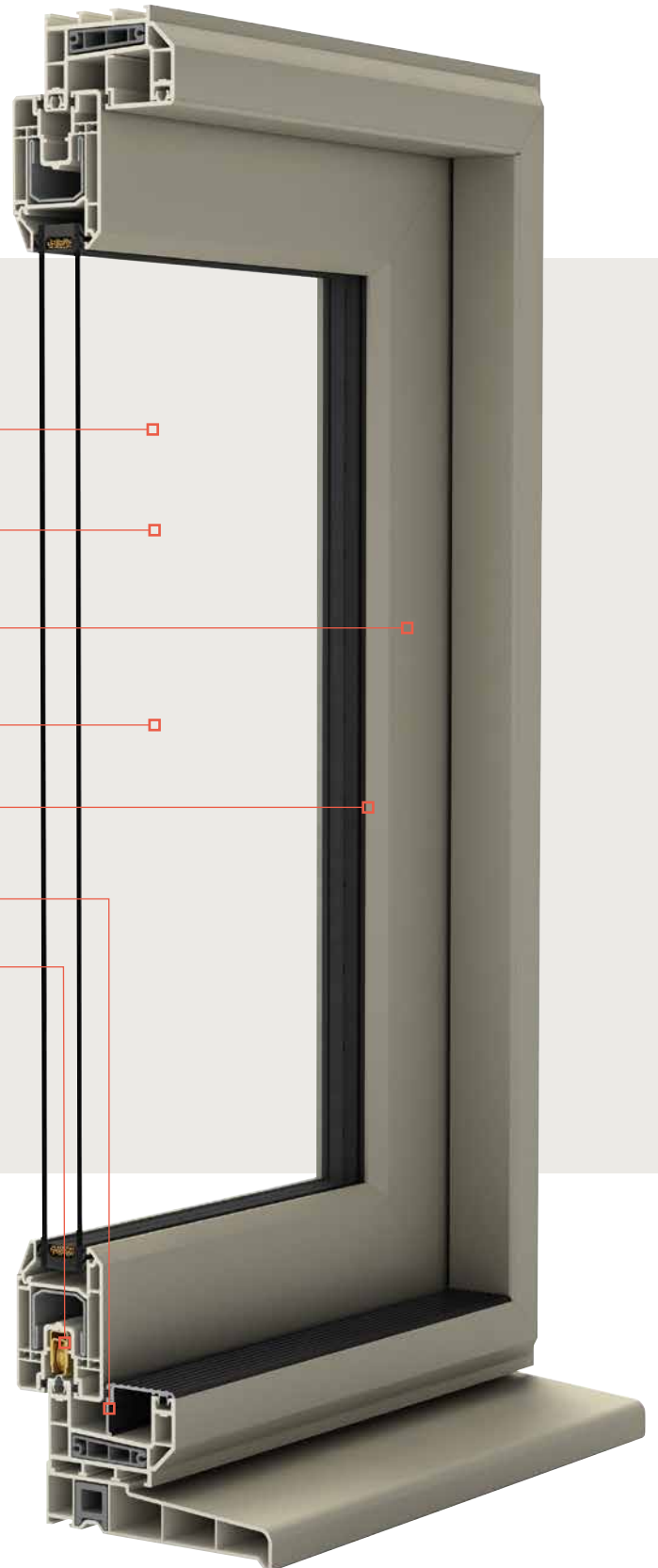
Sliding Door System

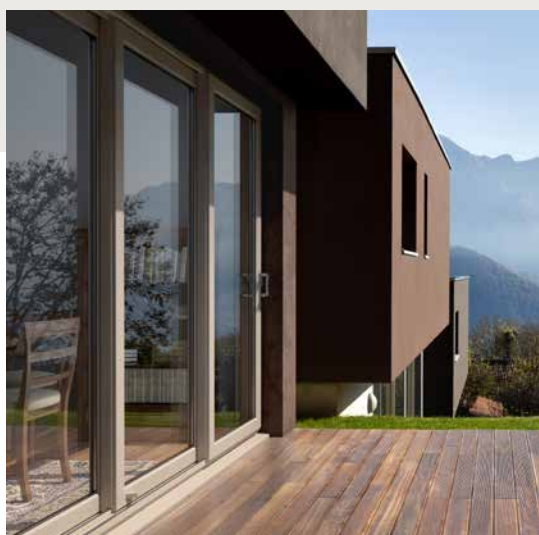
The PatioMaster Sliding Door System has a 70mm front to back depth and is available in 2, 3, 4 or 6-pane configurations, delivering an extremely configurable glazing solution for external and internal doors.

- 1 Double or triple track option
- 2 High-performance multipoint locking system
- 3 70mm outer frame compatible with Profile 22 suite
- 4 28mm and 36mm (triple glazed) glazing options
- 5 Low sightline co-extruded gaskets
- 6 Easy glide, stainless steel track system for maximum service life
- 7 Stainless steel rollers



PatioMaster Triple Track Sliding Door





At-a-glance

Practical credentials

- Excellent weather protection
- Improved reinforcing chamber width
PCE gasket design
- Triple Track patio option
- Trouble free installation
- Patented interlock shootbolt system

Aesthetic credentials

- Sculptured option
- 2, 3, 4 or 6-pane configurations
- Colour options (see page 46)

Performance

Window Energy Rating of band A

U-values as low as 1.0 W/m²K

Acoustics up to 44 dB

	Test	Pressure
Air Permeability	Class 3	600Pa
Water Tightness	Class 7A	300Pa
Wind Resistance	Class A4	1600Pa

Maximum Leaf Sizes

	Max Width (mm)	Max Height (mm)
Size	1198	2116

Emergency Door

Emergency Doors have all the specifications of our residential door system with added features to ensure buildings meet fire safety standards, and other emergency access requirements.

All doors are fitted with midrails and are bar operated. Single doors use either multi-roller or head and threshold shootbolts. Double doors use shootbolt mechanisms.



At-a-glance

- Timber alternative
- BS EN 1125 compliant
- Low maintenance
- Glazing options from 24mm to 44mm

Aesthetic credentials

- Standard or low threshold options
- Colour options (see page 46)



Foam core slab



Solid core slab

Emergency NSHEV (AOV) Window

The Automatic Opening Ventilation window (SHEV) opens in the event of fire, creating a safe passage in corridors, stairs, and lobbies for rescue.

The prompt, automated response from the actuator can save lives by channelling smoke and harmful gases out of the building.



At-a-glance

- Safe and reliable
- Versatile - daylighting, ventilation and smoke control
- Outstanding performance
- EN12101-2 compliant

Aesthetic credentials

- Compatible with Profile 22 suite
- Colour options (see page 46)

Minimum and maximum sash sizes

(Maximum weight limit of 90kg per sash)

Option 1

Opening types	Min Width (mm)	Max Width (mm)	Min Height (mm)	Max Height (mm)
Top Hung on	800	1500	505	1200
Bottom Hung	800	1500	505	1200
Side Hung	505	1200	1000	1500

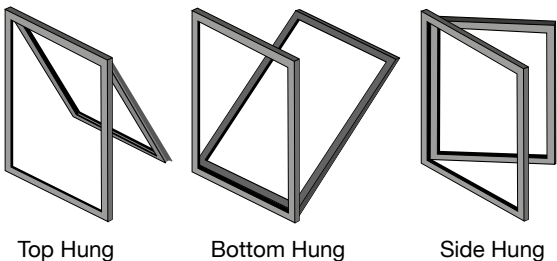
Should always be fitted with 4x butt hinges.

Option 2

Opening types	Min Width (mm)	Max Width (mm)	Min Height (mm)	Max Height (mm)
Top Hung on	621	2100	595	1200
Bottom Hung	621	2100	595	1200
Side Hung	595	1000	1000	2100

Should always be fitted with 4x butt hinges.

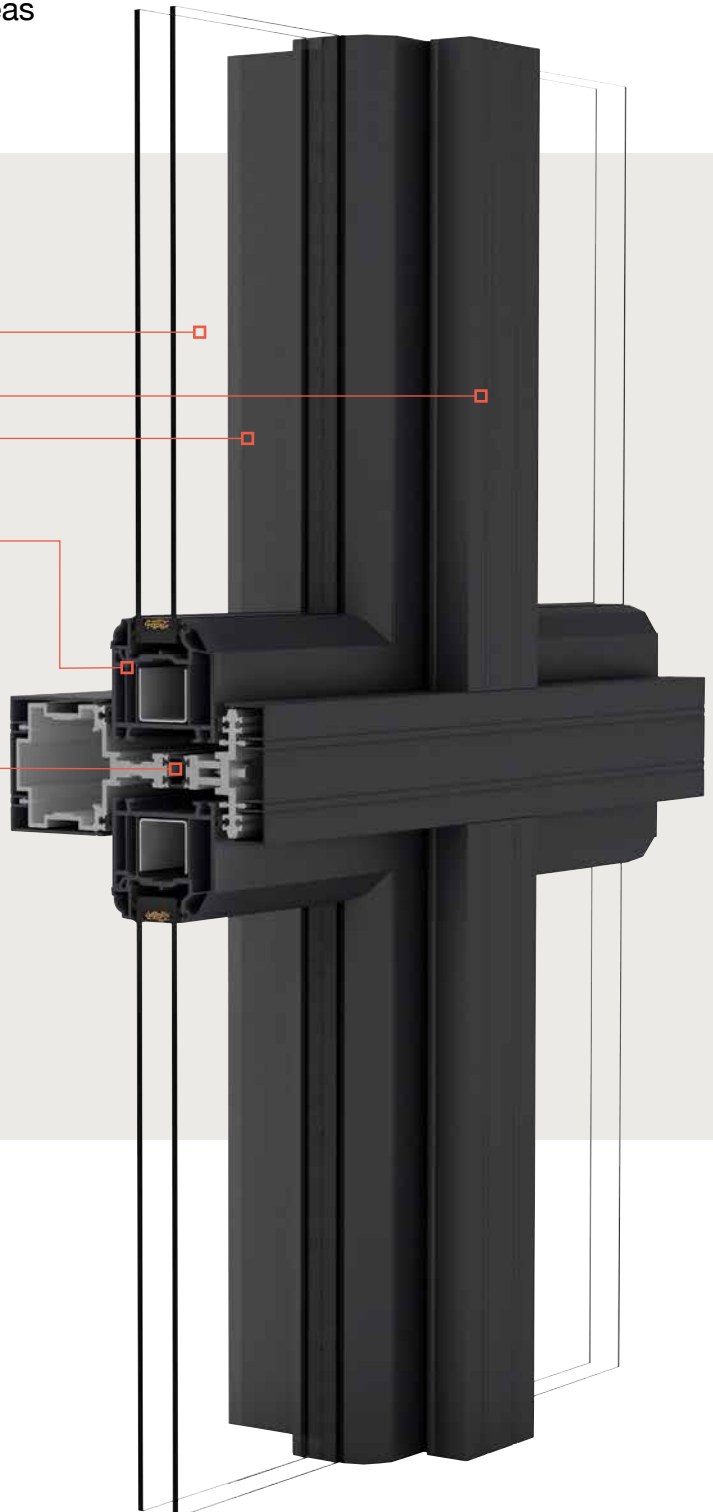
Opening Types



Curtain Walling System

The Curtain Walling System combines quality, sustainability, aesthetics, price and performance. It is ideal for education buildings, offices, hospitals, factories, shop fronts, large stairwell screens and other commercial developments where large areas of fenestration are required.

- 1 Accepts direct glaze insulation or spandrel panels
- 2 Internal & external PVC-U cladding available in wide range of colours
- 3 Accommodates the full range of 70mm window and door systems
- 4 Integral thermal break





At-a-glance

- Ideal for stairwells and glazed screens
- Ideal for refurbishment projects
- Suitable for domestic and non-residential use
- Improves building aesthetics
- Fully compatible with 70mm systems
- Accommodates spandrel panels
- Glazing and panels fitted from inside
- Engineering grade aluminium sections to BS1474
- Polyamide thermal break with 0.168 W/m²K conductivity
- Fully accredited and BSI tested
- Can be painted in any RAL colour
- Tested to withstand winds in excess of 140mph.

Performance

U-values as low as 0.168 W/m²K

Acoustics up to 44 dB

	Test	Pressure
Air Permeability	BS6375-1	600Pa
Water Tightness	BS6375-1	1000Pa
Wind Resistance	BS6375-1	3000Pa

Maximum recommended size

Maximum allowable span between floor slabs or fixing points is 4.5m. Suitable for building heights of 40m.

Two-Part Cill System



At-a-glance

Practical credentials

- Compatible with traditional one-piece cills
- 150 and 180mm options
- Aluminium options for larger sizes
- Fits 63 and 70mm systems

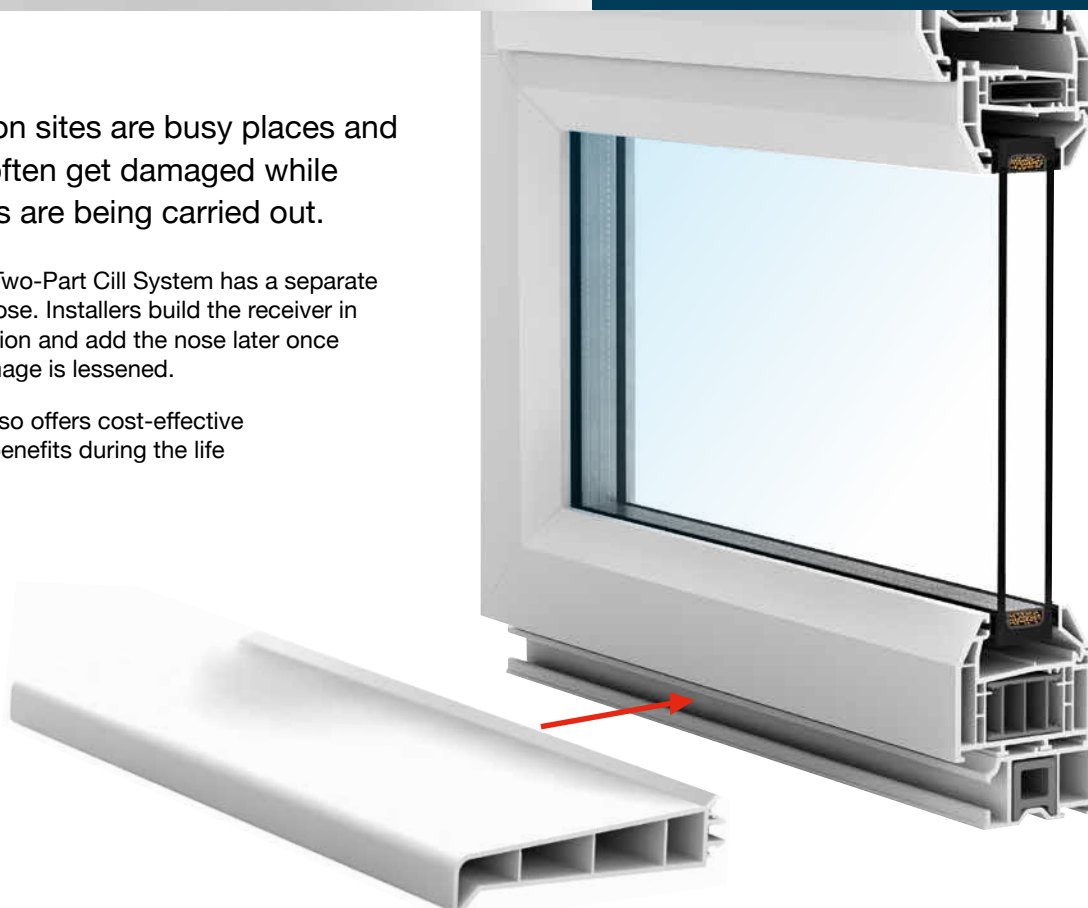
Aesthetic credentials

- Colour options (see page 46)
- Works with chamfered or sculptured systems

Construction sites are busy places and cill noses often get damaged while other works are being carried out.

Our universal Two-Part Cill System has a separate receiver and nose. Installers build the receiver in during installation and add the nose later once the risk of damage is lessened.

The solution also offers cost-effective maintenance benefits during the life of the window.



Epwin Window Systems hardware range

Epwin Window Systems is one of the UK's leading industry suppliers, offering a complete hardware range, including trusted household names like Yale.

Our partners



A multitude of benefits

When you order your hardware from us you can be confident that all products are compatible with Epwin Window systems, putting an end to checking specifications or calling suppliers with queries.

You can order profiles and hardware on the same order and have them arrive in the same delivery. It streamlines admin, accounting and goods inwards processes and saves time.

Finally, Epwin Window Systems maintains high stock levels at its Telford warehouse and offers rapid delivery so there's no need to worry about product availability or delays to schedules.



The Colour Collection

Our Colour Collection brings a wealth of design flexibility to every project.

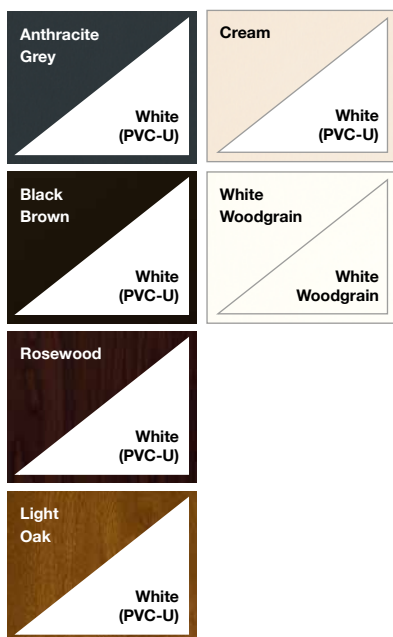
It features an array of shades from modern classics such as Anthracite Grey and heritage hues such as Chartwell Green to the palettes of the future such as Claystone. Dual colour options are also available, bringing the option of different interior and exterior colours. Profiles are wrapped in our state-of-the-art colour production facility to ensure the quality of finish remains pristine.

Base appeal

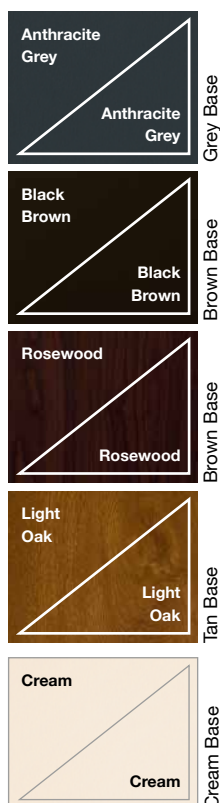
To maximise your product offer further, we also offer complementary base colours on our foiled ranges to deliver higher-value aesthetics. These include white, grey, brown, tan and cream and are designed to perfectly complement our foils and deliver the next level in coloured profile aesthetics.

Stock Colours

White PVC-U Base

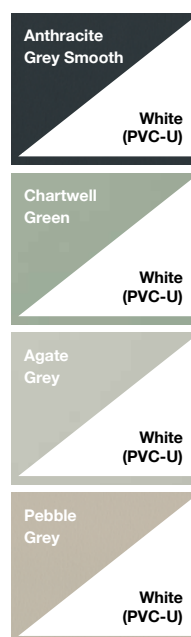


Coloured Base

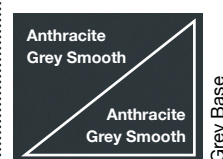


Fast Track Colours

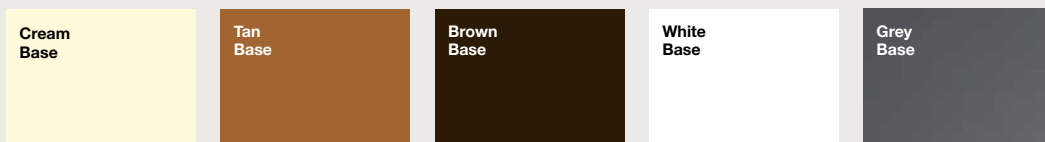
White PVC-U Base



Coloured Base



Base Colours





Made to Order Colours

Our made to order colours are available foiled on one side with a white base, foiled on both sides on a complementary base colour or foiled with different colours either side with a choice of any base colour.

Cream Base	Tan Base	Brown Base	White Base	Grey Base	
Cream	Irish Oak	AnTeak	White Woodgrain	Black Ulti-Matt	Slate Grey
Claystone	Honey Oak Super-Matt	Swamp Oak	Dark Red	Silver D Smooth	Anthracite Grey
Pebble Grey	Light Oak	Rosewood	Steel Blue	Hazy Grey Finesse	Anthracite Grey Smooth
Windsor	Pyrite	Black Brown	Dark Green	Kensington Grey	
Sage Smooth		Flemish Gold Smooth		Buckingham Grey	
Agate Grey				Basalt Grey Smooth	
Chartwell Green				Slate Grey Finesse	

Case studies

Project:
Sim Chem House

Sector:
Housing

Client:
Headoffice3

Product:
**Profile 22 Casement Window
(Chamfered)**

Location:
Cheadle Hulme, Cheshire



Over 1,000 Profile 22 Chamfered Windows have been used in a conversion project in Cheadle Hulme, Cheshire.

Sim Chem House in Cheadle Hulme was a six storey office block built in the 1960s. The building had been empty for many years and fallen into disrepair. It was purchased by developers Inspired Homes to be redeveloped into 184 studio, one and two bed ultra-high quality apartments aimed at young homeowners.

With the focus on quality throughout, the choice of window was critical. The specification was for 1,050 PVC-U foil wrapped windows in a specific RAL colour on the exterior and white on the interior. The windows would need acoustic treatments to address noise from a busy town centre location and incorporate louvres for mechanical extraction.

Epwin Window Systems Approved Commercial Partner won the contract for the work because it was able to meet the exacting specification at the most competitive price.

Profile 22 Chamfered Windows provide inspired solution

Our Approved Commercial Partner tendered for the work with the Profile 22 Chamfered Window System. The Profile 22 system is often specified

on commercial contracts because of its intelligent design, impressive performance and attractive good looks.

In the case of Sim Chem House, our Approved Commercial Partner manufactured the 1,050 casement windows with Anthracite Grey 7016 textured foil for the external elevations and white on internal elevations.

The Profile 22 system delivers a 1.2 W/m²K U-value as standard, with U-values as low as 0.8 W/m²K possible, and achieves BS7412 weather performance. In the case of Sim Chem House, our Approved Commercial Partner glazed the windows with a soft coat low emissivity glass, a warm edge spacer and argon gas to optimise thermal efficiency. Louvres were also glazed within the window system for mechanical extraction.

Profile 22 windows achieve PAS 24 Enhanced Security and have Secured by Design options too, giving the properties at Sim Chem House impressive levels of security.

A well-planned and well-executed installation

Working cooperatively with all the other trades on site, our Approved Commercial Partner completed a smooth and trouble-free installation of the windows.

Conclusion

Sim Chem House, now renamed Fabrick, was completed in March 2019 and has created much-needed high quality affordable housing for young professionals in the area. David Holmes of the project's main contractor headoffice3 said: "The building looks fantastic – we are delighted with the results."



Project:
Student accommodation

Sector:
Housing

Client:
Clegg Construction

Product:
Flush Tilt & Turn Window

Location:
**Agard Court, University
of Derby, Derby**



Flush Tilt and Turn Windows deliver glazing solution for new build student accommodation at the University of Derby.

Agard Court opened to students at the start of the 2018-19 academic year. The vibrant, modern flats accommodate between four and six students and house 244 students in total .

The developer of the new build flats was Jensco Holdings Ltd and the main contractor was Clegg Construction. The design, manufacture and installation of the windows on the project was undertaken by Epwin Window Systems. As a member of the Scheme, our Approved Commercial Partner has demonstrated a wealth of experience in the management of large contract supply and installation and working proactively towards on-time and on-budget completion.

Flush Tilt and Turn Windows from Epwin Window Systems deliver optimum solution

Given the nature of student accommodation, and the shape of the building's aesthetics, the Flush Tilt and Turn Window from Epwin Window Systems was the best choice for optimum ventilation and maximisation of space.

It has a sash that is neatly positioned inside the frame of the window to create an elegant and sleek 'flush' appearance that delivers the appearance of aluminium, especially when

complemented with a RAL 7016 smooth foil finish on white, as it was on this project.

The window has a maximum opening size of 1450 x 2300mm and offers exceptional performance because it has an air permeability value of 600Pa, a water tightness value of 600Pa and a wind resistance value of 2400Pa.

The window is Secured by Design accredited and meets PAS 24 standards for security.

Other key elements in the specification of the windows for Agard Court was the use of acoustic glazing on road elevations and the use of clear solar control glazing on south facing elevations. Our Approved Commercial Partner, worked closely with the team at Clegg Construction and Epwin Window Systems to ensure all calculations were provided and all requirements met.

A busy city centre construction site

The combination of a busy city centre site and the Structural Steel Framing System (SFS) construction of the build could have caused difficulties for many window contractors, but our Approved Commercial Partner proved more than able to cope. The company's team is experienced in working closely with other on-site teams to ensure installation runs smoothly and on schedule. As a result, installation was completed on time and on budget.

A high profile result

Our Approved Commercial Partner was delighted with the finished result and said: "It's a fantastic building. It was the first time we had worked with Clegg Construction on a contract, but the quality of the relationship and the Epwin Window Systems product has already led to further contracts being agreed with the contractor".

Case studies

Project:
Sussex Student Accommodation

Sector:
Student Housing

Client:
University of Sussex

Product:
Vertical Sliding Sash Window

Location:
Brighton



Epwin Window Systems Vertical Sliding Sash windows deliver heritage authenticity and modern practicality.

Epwin Window Systems Vertical Sliding Sash windows have been used in the refurbishment of University of Sussex student accommodation in Brighton.

As part of a wider programme of refurbishment of the building, which houses 124 students, new windows were specified. Epwin Window Systems Vertical Sliding Sash windows were identified as the windows that would deliver the aesthetics required for a building in a conservation area as well as provide more thermally efficient and secure accommodation.

Epwin Window Systems Vertical Sliding Sash windows meets all the criteria

The authentic heritage appearance of the Epwin Window Systems Vertical Sliders met all the aesthetic and weather performance requirements of both the University of Sussex and conservation officers at Brighton & Hove City Council. The Epwin Window Systems specification team worked closely with Approved Vertical Slider fabricator and the University of Sussex to develop the technical specification for the windows.

Secured by Design accreditation was an important factor, as was thermal efficiency. Solar shading glass was also specified to protect the accommodation from the full glare of the sun.

As a Secured by Design-accredited fabricator, Epwin Window Systems Approved Commercial Partner was able to deliver windows that would meet this element of the project. Epwin Window Systems Vertical Sliding Sash windows have a U-value of 1.4W/m²K as standard, which meant they would meet the thermal efficiency requirements. The specification for the solar shading glass was developed in conjunction with the Epwin Window Systems technical team, with a final value of 4mm SN70/37 being agreed on.

Once the specification had been finalised, the Epwin Window Systems specification team worked closely with all parties to put together a tender for the project, which was accepted by the University of Sussex.

An efficient installation

With over 250 windows needing to be installed, the installation programme needed to be carefully planned to minimise disruption to students living in the flats. The appointed Epwin Window Systems approved installer, Feature Architectural Fabrications, worked closely with both the Approved Commercial Partner and the Epwin Window Systems Specification Manager to plan an efficient installation programme. Installation was carried out floor by floor, with deliveries to site being made in a timely fashion in order to facilitate this.

Heritage aesthetics and modern practicality

The finished result has transformed the exterior of the flats and mean they once more take pride of place on the seafront. The 124 students living in the flats now also have accommodation that is warmer, quieter and more secure than before.



Project:
Hollins Technology College

Sector:
Education

Client:
Clegg Construction

Product:
Curtain Walling System

Location:
Lancashire



A major school refurbishment in Lancashire has proved to be the ideal example of the benefits of a public authority working with a tried and tested Approved Partner network.

In the case of the replacement of over 100 windows and large sections of Curtain Walling at the Hollins Technology College, Accrington, that network was the Epwin Window Systems Approved Commercial Partner Scheme and the result was a project that was not only smooth-running and problem-free but was also completed in under the specified six-week summer break.

The scheme is designed to make everything as easy as possible for the clients as well as ensuring they are presented with manufacturers and installers with the right accreditations and expertise, plus other benefits such as a completely free design and specification service.

The appointed Epwin Window Systems Approved Commercial Partner explained how the project progressed: "We knew exactly what the job involved from the outset and how many fitters it would take to complete within the timescales. We were given six weeks from start to finish and in the end we completed it in five. We did also keep the diary free of any other major jobs at the same time so that we could give the contract our full attention.

"Everyone at Epwin Window Systems was very supportive at every stage from measuring and specifying, the structural calculations for the Curtain Walling and designing the windows, as well as visiting both the factory and the school to make sure there were no problems."

For the windows, grey-on-white Profile 22 Casement Windows from Epwin Window Systems suite were chosen to replicate the original aluminium frames but with a far-from-sixties 1.4 U-value as well as the obvious low maintenance qualities.

The Curtain Walling was not without its challenges, not only because of the size of the units – some as tall as 3 metres with 4.5metre mullions – but also because the original frames were set into the concrete of the building so replacing them was not exactly text-book. However, experienced installers and the integrity of Epwin Window Systems SK200 Curtain Walling system amply overcame any issues.

The school's Business Manager Martin Daly summed it up: "The appearance of the windows has been universally well received and we are confident there will be a significant improvement in heat retention in the colder weather. We had expected problems when the Curtain Walling was replaced but, just as with the rest of the contract, everything went very smoothly."

Case studies

Project:
Troutbeck Crescent

Sector:
New Build

Client:
Sky House

Product:
Spectus Casement Window
Spectus French Door

Location:
Blackpool



Over 500 Spectus Casement windows and 100 French doors were specified in a new £10m development, in Blackpool.

Troutbeck Crescent on Mereside, sits in a prominent position which is visible from the main motorway connection when entering Blackpool. Formerly the site of 81 run down flats built in the 1960's, the demolished site was secured for the development of the new social housing properties.

The development provides mix of one-, two- and three-bedroom homes and required over 500 windows to complete. The contract for the work was awarded to the Epwin Window Systems Approved Commercial Partner, thanks to their exceptional track record of working on several prestigious commercial projects. All products were manufactured in Spectus bevelled windows & doors from Epwin Window systems.

The Spectus bevelled window & door system has all the technical credentials for high-quality commercial applications. It can achieve a Window Energy Rating of Band A++ and U-values as low as 0.8W/(m²K). In this project, the windows and doors were manufactured in anthracite grey to the external face with white internally to create the modern appearance of an aluminium window but at a more sympathetic price point.

All products were manufactured to PAS 24 standard.

The high-quality development also included the installation of several externally glazed ceramic glass panels to provide a point of interest at an attractive pricing point.

The Epwin Window Systems Approved Commercial Partner liaised with the project contractors and all trades on site to ensure fabrication and installation ran smoothly and on schedule.

Initial site clearance began in September 2019 in preparation of construction on the 2.3-hectare site. The installation took a total of twelve months with exacting standards and precision project management evidence at every level.

The Epwin Approved Commercial Partner commented: "The new site has been completely transformed. The modern houses and flats boasting gardens, balconies and car ports now provides a high standard of accommodation for residents and sits within an attractive environment that integrates with the surrounding area. We are delighted to have worked on this project and once again, the quality and reliability of the Spectus product range has delivered at every level. This is a flagship development for Blackpool and we are proud of the finished results."



Project:
The Shot Tower

Sector:
New Build

Client:
Ashwood Homes

Product:
Flush Tilt & Turn Window

Location:
Chester



Over 100 Flush Tilt & Turn Windows were specified and installed in a new stand-out development at an iconic Chester landmark.

The Shot Tower is a Grade II listed building and the only surviving leadworks of its kind. The imposing 168ft red-brick tower, along with the original Engine House and Whitechapel buildings were retained and sympathetically restored to enforce the industrial legacy of the development. These historical elements were complemented by two modern new housing developments comprising one, two and three-bedroom luxury apartments and converted 4-bedroom town houses. The new housing development creates a striking canal-side landscape in the heart of Cheshire.

Everything from the build quality and aesthetics, to internal layout and functionality, was carefully planned by the developers to ensure the new homes were built to the highest standards.

With such an architecturally-prominent landmark structure, the choice of contractors was critical. The window contractor selected for the project is an Epwin Window Systems Approved Commercial Partner and leading manufacturer based in Motherwell. The windows were fitted by an experienced Commercial installer.

Spectus Flush Tilt & Turn Windows are an ideal solution for both medium and high-rise buildings such as residential housing, offices, hospitals and universities. The window has been specifically designed to prevent the framework from overlapping to give a 'flush' appearance delivering superior high-end aesthetics which was crucial on this landmark project.

A high-performance centre seal system with optional third weather seal means the window can achieve a Window Energy Rating of A++ with double glazing and a U-value of 0.8 W/(m²K) with triple glazing.

The 100 plus windows were expertly manufactured by our experienced Approved Commercial Partner. In this project, the sleek look of the windows, combined with an anthracite grey on white colour, created the high-end, contemporary aesthetics required.

The Epwin Approved Commercial Partner comments: "This was a superb project to be involved with and we were delighted to have manufactured the windows for such an iconic property development."

The Shot Tower is an impressive project and has been given a new lease of life. The approved installer concludes: "We jumped at the chance to work on this prestigious development with such an important historical background. The design team pushed the limits of a great product which was manufactured and installed to a very high standard, giving the building the slimmest sightlines possible and a superior colour aesthetics internally and externally. Now completed, the Shot Tower site looks fantastic."

Case studies

Project:
Fox Valley

Sector:
New Build Townhouses

Client:
Sky House

Product:
Flush Casement Window

Location:
Sheffield



Over 100 Epwin Window Systems windows and doors were manufactured and installed in a sustainable townhouse development that offers a contemporary twist on Victorian terraced housing.

Sky-House is a development of design-led, eco-friendly townhouses in Fox Valley near Sheffield. The two, three-storey buildings consist of 27 one-bedroom and six two-bedroom apartments.

The specification was exacting, with luxurious design elements and bright and airy interiors thanks to full height double glazed doors and windows throughout.

The contract to fulfil the window and door specification was given to our experienced Approved Commercial Partner, using the Epwin Window Systems PVC-U Flush Casement Window System from Epwin Window Systems.

The Epwin Window Systems Flush Casement Window System from Epwin Window Systems was perfect for this development. It replicates the original features of timber casement windows more accurately than rival products. It also gives superior thermal performance which was important on this project to meet the exacting specifications for the eco-friendly development.

It meets the requirements of UK and EU Building Regulations as standard and includes a Secured by Design option. It also features optimised drainage and perfectly positioned seals for long-lasting performance.

The project has a stunning location with extensive views across the valley. To maintain the level of performance required on such an exposed site, fixings, transoms and mullions used additional reinforcing to meet more stringent wind and barrier loads. Enhanced glass was also specified to meet the barrier load to satisfy the requirements of BS 6180, barriers in and about buildings.

The windows were manufactured in anthracite grey 7016 smooth on white to offer a contemporary exterior and understated interior.

Our experienced Approved Commercial Partner is familiar with the exacting requirements of new build developments. The team worked closely with the client and all the contractors on site to ensure the window and doors were manufactured and installed in line with the timescales required.

Five years ago, Fox Valley was a large stockholding yard for the local steelworks – now it is a bustling urban development.

Sky-House has provided stylish contemporary housing for the young professionals the area attracts. And because it celebrates sustainable living, it's also a future-proofed development.



Project:
Woodland Rise

Sector:
New Build

Client:
Ashwood Homes

System:
Spectus PVC-U System

Location:
Langtoft, Lincolnshire



453 Spectus windows and 115 doors are being manufactured and installed in the first phase of a prestigious new build housing development in Langtoft, Lincolnshire.

The new build site comprises 35 luxury new homes made up of a mixture of 3-, 4- and 5-bedroom executive properties. The new build project was awarded to our experienced Epwin Window Systems Approved Commercial Partner based committed to delivering product excellence at every level.

The business operates under stringent CE Markings and BSi Kitemark standards ensuring their products meet Approved Document Q requirements. The 453 casement windows, 41 front doors, 36 back doors and 38 French doors are being manufactured from the popular, high-quality Spectus PVC-U system. The Spectus windows and doors are being manufactured in a mixture of Chartwell Green, Cream and Anthracite Grey foiled finishes on white to bring individual character to the new properties.

Spectus System delivers at every level

Spectus PVC-U system is a 70mm flagship PVC-U window and door system from Epwin Window Systems. The 5-chamber British system is designed to deliver superior thermal performance and can achieve a Band 'A+' WER and U-values to 0.8W/(m²K) making it thermally efficient by design which is important on this executive development.

An expertly managed process

As an experienced fabricator and installer, the appointed Epwin Window Systems Approved Commercial Partner team is familiar with the exacting requirements of luxury new build developments. The team continue to work closely with the client and all the contractors on site to ensure the window and doors are manufactured and installed in line with the timescales required. This includes transporting the various coloured window and doors and installing on a plot-by-plot basis with little margin for variation.

In order to ensure strong plot reservation on the first phase, exacting CAD design images for CGI image development have been produced so potential purchasers could visualise the homes. Our Approved Commercial Partner, said: "We are excited to partner with Ashwood Homes on this prestigious new site which will offer some fantastic homes with great characteristics. We know the quality standard of our windows and doors will meet the requirements needed for the prestige site and bring many benefits to the eventual home owners."

Chloe King, Sales Manager at Ashwood Homes, said: "All of the properties are built in traditional brick and stone to complement the properties in the nearby village. We specified the windows and doors in a selection of traditional colour hues to accentuate the high-end traditional features of the properties which is proving popular with our customers." Chloe said: "We are pleased to be working with Highseal again on this project. We really wanted to re-think our external materials on this development and Highseal have been able to provide us with many options for our windows and doors. We are looking forward to seeing the end result."



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EpwinTM
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Product Manager's On-Call Guide