

PVC-U System

# Vertical Sliding Sash Window



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

# The best-selling PVC-U Vertical Sliding Sash Window

The Vertical Sliding Sash Window by Epwin Window Systems was one of the first PVC-U sliding sash window systems to enter the UK market. Over 20 years later it's maintained its status as the market leader because it delivers true sash window authenticity at every level.

The system delivers a true authentic appearance that perfectly replicates a timber box sash window. Available in a choice of standard welds and mechanically jointed frames, and with a new ultra-slim meeting rail option, the attention to detail is evident at every level. At the same time, it delivers impressive performance credentials and meets or exceeds minimum requirements. It's a combination that means it ticks every box.

The intelligent system design and proven performance pedigree is the reason why it's used in conservation zones and listed buildings and has developed a reputation for being accepted by planning and conservation departments throughout the UK.

And while its period looks make it perfect for heritage projects, the window is equally at home in modern buildings where its classic good looks add elegant visual interest.

**It's a truly versatile addition to any portfolio.**





# Heritage looks, modern day benefits

Perfect proportions, period details and traditional techniques.  
Traditional box-sash dimensions, hardware and glorious period colours  
– it's enough to melt the heart of the toughest planning officer.



## Authentic proportions

From the authentic ovolo styling to the deep bottom rail and large and small sash profiles, every detail has been considered. Even the 128mm outer frame matches traditional box sash dimensions. Everywhere you look, you'll notice intelligent attention.



## Beautiful options

All the details you need are available. Run-through or moulded sash horns, Georgian bars, dedicated ancillaries, end caps and cills. The system takes off-the-shelf and high-security hardware and is available in a wealth of colour options too.



## Impressive performance

The system uses 24mm double glazing as standard and has optional thermal inserts using recycled composite materials. There are pile seals to the sash and outer frame to stop draughts and there's an optional weatherbar too. It can achieve a WER to Band A+ and U-values to 1.3 W/m<sup>2</sup>K.



## Valuable practicality

The panes tilt inwards for easy cleaning and use reliable spiral balance mechanisms for easy operation. The system can accommodate trickle or glazed-in vents and feature travel stops for child safety. The maximum size is up to 1600mm wide and 3000mm high.



# Vertical Sliding Sash Window System

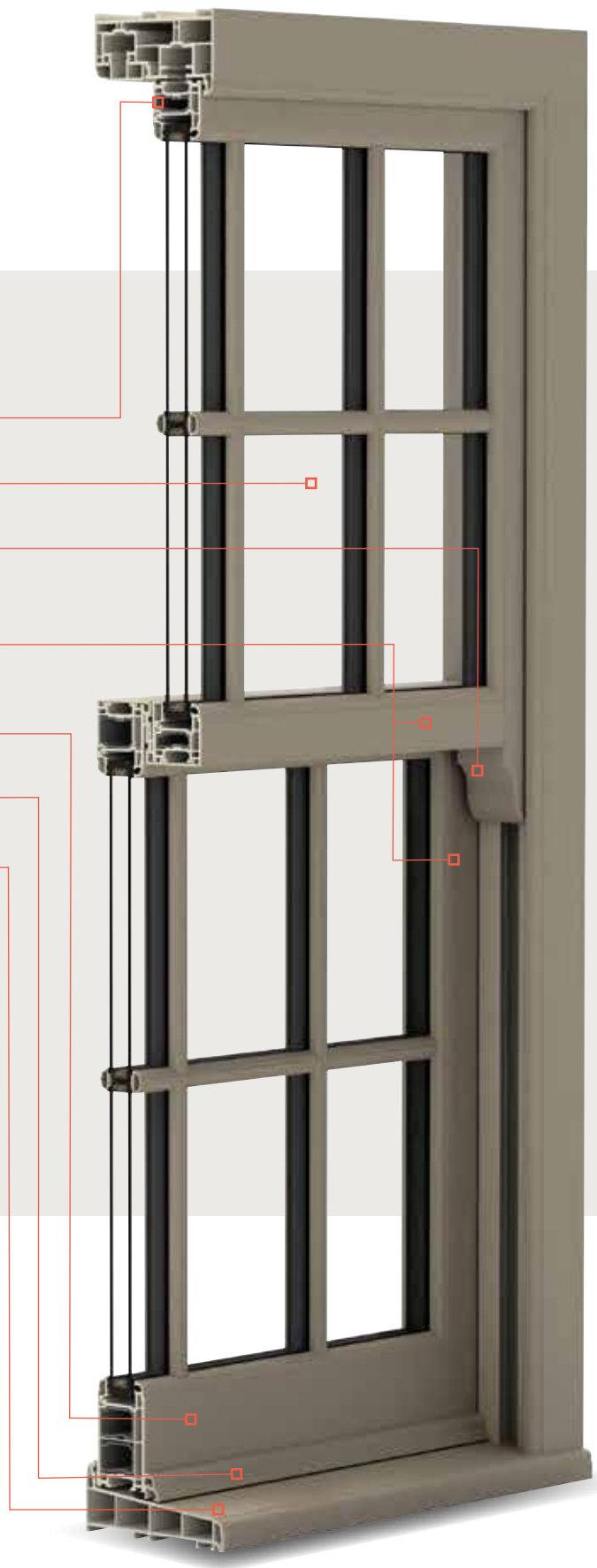
Taking tradition to the next level.

Our Vertical Sliding Sash Window system remains at the forefront of the industry today because its classic good looks enhance heritage properties and add understated style to modern ones. Every detail has been considered and the result is a window that offers outstanding authenticity and thermal performance with no compromise.



## Product features

- 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 Mechanically jointed deep bottom rail option
- 6 Weatherbar
- 7 150 & 210mm cill options



# Heritage Features

The ultimate in sash window authenticity.

For when the appearance has to be exactly right, choose the mechanically jointed Vertical Sliding Sash Window. Diagonal welded joints on the sash and frame are replaced with vertical joints that perfectly replicate a traditional timber joint. It takes the appearance to the next level and is suitable for the most exacting heritage projects.

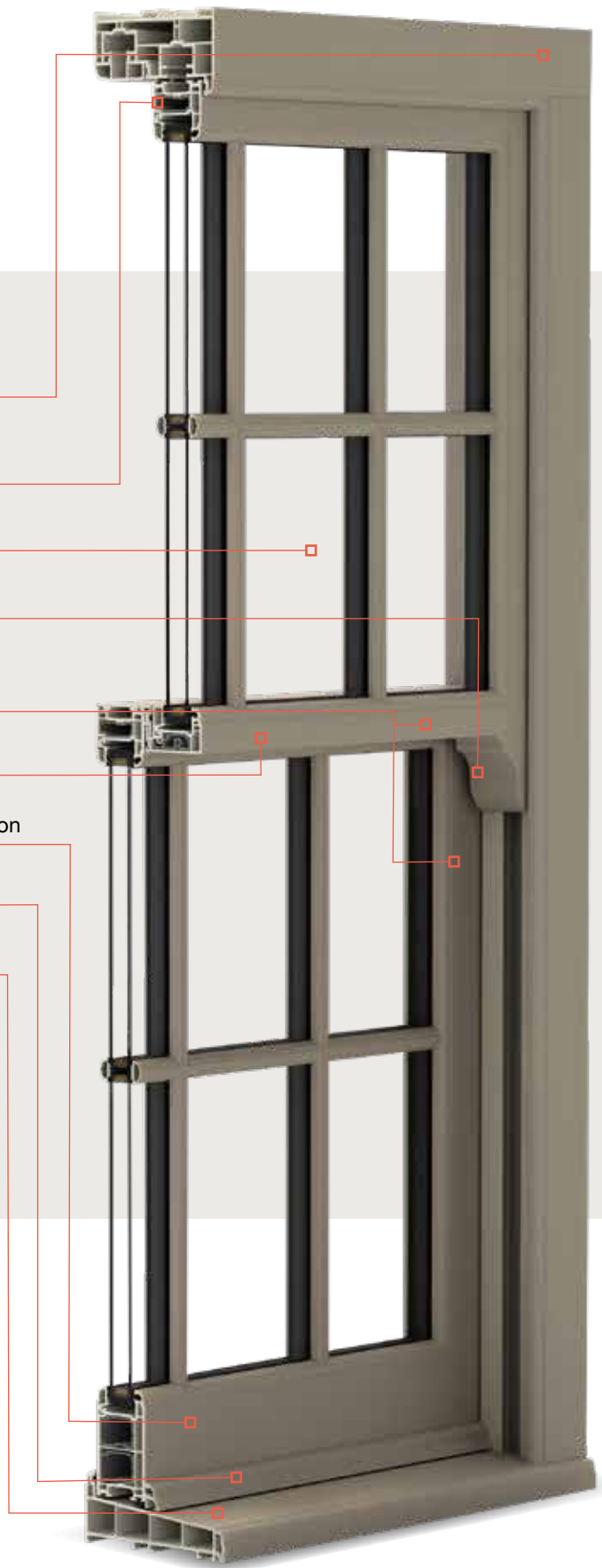
When a project demands authenticity, the new ultra-slim Vertical Sliding Sash meeting rail delivers nothing less than perfection. With its flawless attention to detail, the new 37mm rail faithfully replicates the appearance of traditional timber sash windows. It's the perfect choice for heritage and character properties.





## Product features

- 1 Mechanically jointed sash
- 2 Thermal inserts for improved WER & U-values
- 3 24mm double glazing as standard
- 4 Run-through or screw-on horn options
- 5 Two sash profile widths to give equal vertical sightlines
- 6 NEW ultra-slim 37mm meeting rail option
- 7 Mechanically jointed deep bottom rail option
- 8 Weatherbar
- 9 150 & 210mm cill options



# Ancillaries

Dedicated ancillaries for perfectly fitting projects.

The Vertical Sliding Sash Window System comes with dedicated ancillaries, end caps and cills to maximise versatility and open up more options. All PVC-U parts are guaranteed to colour match our main systems and are available in the same extensive choice of coloured and woodgrain foils to complete the distinctively authentic appearance.

## Run-through Sash Horns

Sash horns would have been an integral part of an original timber window so they're part of the sash on the Vertical Sliding Sash Window. It's a little detail that makes a big difference.



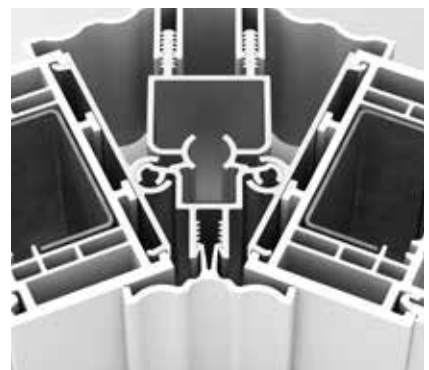
## Thermal Inserts

Our thermal inserts are made from 100% recycled PVC-U and are lightweight, long lasting and highly insulating. They are easy and safe to use and work with sashes, transoms and mullions, all sizes of outer frame and internal or external glazing. When used with traditional steel or aluminium reinforcements, they improve screw retention and ensure perfect hardware positioning.



## Georgian Bars

When a project needs Georgian bars, you can be sure they will be milled for a precise fit that reflects the huge attention to detail that's the hallmark of the Vertical Sliding Sash Window System.





### **Weatherbar**

Projects in exposed locations may need additional protection from the elements. The optional weatherbar adds another level of protection against rainwater.

### **Cills**

150mm and 210mm cill options.

### **Bays and Couplings**

Dedicated bay posts and poles, bay jacking, assemblies, coupling mullions and finishing trims mean you can create any shape or component you need.

### **Frame Packers**

Frame packers are available at 15mm, 20mm, 35mm and 50mm. Also available are Eurogroove covers, head drips, stone-cill adaptors, odd-leg adaptors, drip bars and thermal barriers.

### **Deep Bottom Rail**

Authenticity is all about proportions. Timber sliding sash windows would have had a deep bottom rail so it's an option on the Vertical Sliding Sash Window too.



# The Colour Collection

Colour is an essential component of an authentic installation.

The Vertical Sliding Sash Window System range includes a wealth of coloured and woodgrain options, including heritage shades and dual colour options.

Our most popular Vertical Sliding Sash System colours are available direct from stock and our Made to Order service reduces lead times for shades that aren't in stock too. What's more, the minimum order quantity is a single length.

For all our colour options, rigorous manufacturing processes mean outstanding quality and durability are guaranteed.

It's an offering that opens up the world of colour and means you can create projects that meet the most demanding of aesthetic requirements.



## Stock Colours

### Premium



Anthracite Grey /  
White (PVC-U)  
(White Base)

### Premium Plus



Cream /  
White (PVC-U)  
(White Base)



Cream /  
Cream  
(Cream Base)



White Woodgrain /  
White Woodgrain  
(White Base)

## Fast Track Colours

### Premium



Chartwell Green/  
White (PVC-U)  
(White Base)



Agate Grey/  
White (PVC-U)  
(White Base)



## Made to Order Colours

Made to Order Colours are available with white PVC-U internal faces, or foiled on both sides on a complementary base colour for better looking installations.

Cream Base	Tan Base	Brown Base	White Base	Grey Base	
Cream	Irish Oak	AnTeak	White	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	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	

# Range of reliable Hardware

Our hardware brand, Safeware, is one of the UK's leading suppliers to the industry, offering a complete range, including trusted household names like Yale.



## A multitude of benefits.

We know that quality hardware more than delivers return on investment in reduced call backs, maintenance and performance.

And 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 the same delivery. It streamlines admin, accounting and goods inwards processes and saves time.

Finally, our high stock levels and rapid delivery from our Telford warehouse mean there's no need to worry about product availability or delays to schedules.



# Accreditations & testing

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



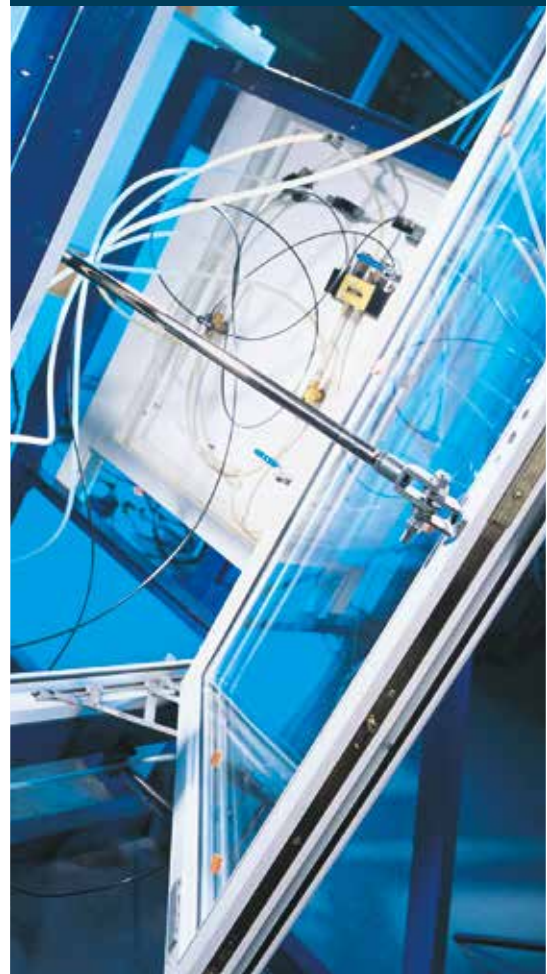
**Secured by Design**  
The UK Police initiative supporting the principles of 'designing out crime' by use of crime prevention and security standards.



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

## Tested to the highest standards

Every aspect of the Epwin Window Systems range is continually tested and assessed to ensure it offers excellence in every respect. All Vertical Sliding Sash Window System products meet current Building Regulations as standard and many can provide solutions far above these requirements. No matter how demanding your project, the Vertical Sliding Sash Window System will deliver.



# Security

Safety and security are designed into our Vertical Sliding Sash System.

The Vertical Sliding Sash Window accommodates the latest high-security hardware as standard. As a result, it meets the standards of PAS 24:2016, exceeds the requirements of Building Regulations and can be fabricated to meet Secured by Design criteria.

**Secured by Design**



**Official Police Security Initiative**

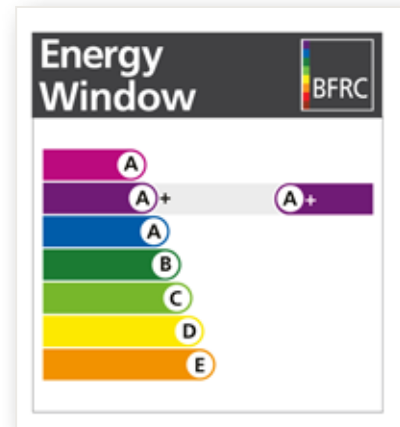




# Thermal performance

Impressive insulation and protection.

Despite its traditional appearance, the Vertical Sliding Sash Window is a very modern window system. 24mm double glazing comes as standard and the multi-chambered frames and sashes can be enhanced with the addition of purpose-made recycled thermal inserts. There are pile seals on the sash and outer frame to prevent draughts and the optional weatherbar brings additional protection against rainwater. It all adds up to a window that offers U-values as low as 1.3 W/m<sup>2</sup>K and a WER up to Band A+.





## A truly British heritage

The Vertical Sliding Sash Window System is produced by Epwin Window Systems, the UK's largest systems house with a track record stretching back nearly 50 years.

We offer the widest portfolio of fully integrated window and door systems, a choice of leading brands, with unrivalled expertise and support to grow your business.

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

Our products are designed and manufactured in Britain for the British market. We are active in trade and industry bodies and we take a leading stance in environmental initiatives. Our commitments mean you are able to rely on us to be a proactive partner that adds value to your business.

Because when you work with Epwin Window Systems you get more options and more possibilities.

**MADE IN  
BRITAIN** 

# Vertical Sliding Sash System Product Data



**Vertical Sliding Sash Window**

## PERFORMANCE & ACCREDITATION

U-value (double glazing)	1.4 W/m <sup>2</sup> K	
U-value (triple glazing)	N/A	
Energy Rating (WER)	A+	
Green Guide Rating #	A	
Acoustic Performance-various options depending on specification-RW (C;Ctr)	32 to 37	
Air Tightness (Pa)	Class 3 (600pa)	
Water Tightness (Pa)	Class 5A (200pa)	
Wind Loading (Pa)	Class A5 (2000pa)	
Security	PAS 24	
PAS 24 Size Limits (mm)	1230 x 1480	1200 x 1600
Secured by Design (SBD)	✔	

## CONFIGURATIONS

Vertically Sliding	✔
Tilts in for Cleaning	✔

## SASH WEIGHT & SIZE LIMITS

Sliding Sash	50 kg
Maximum Window Size (mm)	1600 x 2400

## SYSTEM FEATURES

System Depth (mm)	128
Glazing Options	Internally Beaded
Glazing Thickness (mm)	24

\*Hardware dependent

For more information about Epwin Window Systems products visit  
[www.epwinwindowssystems.co.uk](http://www.epwinwindowssystems.co.uk)



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

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