



Introducing...

VS400

THERMALLY BROKEN VERTICAL SLIDER

The VS400 vertical sliding window authentically recreates the classic look of traditional sash windows, making it perfectly suited to heritage and conservation areas dominated by Georgian and Victorian architecture.

- BS 6375-1 Resistance to Weather
- PAS 24:2022 Enhanced Security coming soon
- U Values from 1.0 W/m²K (0.5 centre pane) to 1.4 W/m²K (1.0 centre pane)
- Uses standard Smart vertical slider hardware
- Slide only or tilt and slide operation
- Quick Glaze Beads



VS400 is a thermally broken, vertical sliding window designed to perfectly replicate the timeless character of traditional sash windows. Its elegant design makes it perfectly suited to heritage and conservation settings, especially those characterised by Georgian and Victorian architecture.

Engineered for smooth operation and excellent natural ventilation, VS400 is equally at home in individual homes and high occupancy buildings. The window offers a flush opening with no projection in to or out of the building, with this style of window frequently selected for schools, hospitals and other public buildings.

Developed in collaboration with hardware specialists at ERA, the VS400 window incorporates proven, standard hardware solutions. In addition to its traditional vertical sliding sash, the system also includes a 'tilt in' feature that allows easy cleaning of the external glass from inside the building.



Incorporating Smart's Quick Glaze Bead for faster fabrication and installation, the system features low line glazing gasket that will accept 24, 28, 32 and 36mm sealed glazing units. VS400 can achieve overall U Values of 1.0 W/m²K with triple glazing and 1.4 W/m²K with double glazing.

Fabrication is optimised through square cut outer frames, with sash joints that are mitred and crimped for precision and strength.

Note: Dual colour options are not available for VS400.

TECHNICAL PERFORMANCE

U Value	1.4 W/m ² K Double Glazed (1.0 centre pane) 1.0 W/m ² K Triple Glazed (0.5 centre pane)
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Air Classification	Class 3, 600Pa
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Water Classification	Class 5A, 200Pa
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Wind Classification	Class C3, 1200Pa
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TEST CERTIFICATION

PAS24:2022	Coming Soon
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Document L Compliant	Yes
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DESIGN LIMITATIONS

Vertical Slider	Max Width 1600mm (based on frame height 1300mm)	Max Height 2800mm (based on frame width 750mm)	Max Weight 50kg (per sash)
Frame Depth	130mm		
Glass	24mm, 28mm, 32mm, 36mm		



VS400 Tilt Function