

Safevent® Electric

Our most advanced anti-ligature window for mental health environments with electric controls

Based on the principals of our original and multi award-winning anti-ligature window, the Safevent® Electric is based on a cutting-edge, inhouse design that brings enhanced functionality and control to the Safevent® range.

The Safevent® - a benchmark product - was the first of it's kind. Originally designed over 2 decades ago, it has been continuously refined in conjunction with clinicians, facilities managers, architects and service users since 2005, and is specified in over 80% of NHS Trusts and multiple supervised care environments across the globe.

Designed for ultimate robustness without compromising the service user's recovery, the Safevent's unique fixed mesh allows for optimum airflow, often reducing the need for mechanical ventilation. The fixed mesh ensures the secure line of the building is never broken, whilst the external access sash allows for easy maintenance and cleaning.



Britplas patented design



Lock open or shut at any point



10mm toughened glass for optimum strength



Anti-ligature



External access sash for safe cleaning



GlassShield® for enhanced robustness



Anti-contraband



Finished in any RAL colour / BS powder



10 Year Warranty*



Maximum ventilation



Dual Colour



Adopted by over 80% of NHS Trusts



Stainless steel fixed visomesh for optimum security



5 day replacement turnaround[†]



Annex B and BRE 2 tonne mesh tested



Optional integrated blinds



Available with a range of cills

Safevent® Electric



INTERNAL VIEW
(half open position)

EASY ACCESS FOR CLEANING

Safevent Access variant has an external sliding sash with an opening frame to allow direct access to the inside face of the glass and the outside of the mesh for easy cleaning and maintenance.



EXTERNAL VIEW
(with Access sash shown in open position for cleaning)

SLIDING EXTERNAL SASH

Sliding external sash keeps moving parts to the outside of the window and maintains a simple internal surface.

FIXED MESH

Stainless steel visomesh is permanently fixed into the frame to help eliminate frame gaps which may be used to create ligature points.

ULTRA SLIM PROFILE

To maximise light, reduce sightlines and provide enhanced thermal properties.

PERFORMANCE

Weather

Tested to BS 6375 - 1:2009

Air Permeability (ENG1026)	Class 3
Watertightness (ENG1027)	Class 9A 900pa
Resistance to windload (EN12211)	Class CE2500

Environmental

Tested in accordance with BS EN ISO 10077-1

U-Value	$\leq 1.8 - 2.2 \text{ W/m}^2 \text{ }^\circ\text{K}$ based on recommended glazing spec
Green Guide Rating	C

Security

Medium Environmental Design Guide

STS202 BR1-4 (additional spec required, on request)

Tested by many NHS Trusts to replicate aggressive and continuous attack (video evidence available)



INTERNAL VIEW



EXTERNAL VIEW

Full Revit/BIM integration is available for all Safevent window models.

Further technical drawings/models are available on request.

Safevent® Electric

COMPONENTS

Frame

Profile	Bespoke aluminium profile extruded from aluminium alloy 6060/6063 T5/T6 and compliant with BS EN 12202-2: 2001/BS 755-9: 2001
Finish	All RAL / BS powder range / dual colour / bespoke finishes available to BS EN 12206-1:2021 Anodising to BS EN 12373 and BS 3987
Thermal Break	Polyamide strips PA 6.6 25
UK Patent	2446730
Standard cill options	125mm, 159mm, 200mm, 250mm (bespoke options available on request)

Glazing options

Further options available on request

Standard - Fixed Unit	- 6.8mm laminated soft coat (external)
	- 20mm argon filled warm edge spacer
	- 10mm toughened (internal)
Standard - Sash	- 6mm toughened soft coat (external)
	- 20mm argon filled warm edge spacer
	- 6mm toughened (internal)
G-Value	Standard - 0.45-0.48* Solar - 0.32-0.37*
Light Transmittance	Standard - 68-71%
*Variations	Performance varies by glass specification. Combinations between 32-42mm available upon request
Performance Applications	Self clean, Sand-blast, Solar, Mirror film, Obscure (full or partial) and Safety film

Visomesh

Anti-tamper and anti-ligature 1.5mm thick stainless steel mesh. Double pressed for better vision and smoother finish. Black 9005 PPC finish as standard. Other PPC / printed artwork finishes available on request.

Perforation	2mm diameter holes to 3mm centres giving 40.3% open area
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Blinds

Integral Blinds	Electronically operated (20mm spacer required)
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Hardware

Operator	24 DC electric motor (switch or BMS integration)
Locks	N/A
Handles	N/A
Tricklevent Option	Anti-ligature permanently open

Fixings

In strict accordance with the relevant British Standards, including BS 6262, fixings to be positioned 150mm from each corner, mullion, transom and at centres not exceeding 300mm or as advised dependent on structure.

OTHER

Warranties

12 month warranty (extendable by maintenance contract)

10 year warranty (subject to terms - available as an extension to an existing warranty or on new windows)

Quality

Manufactured and installed in accordance with ISO 9001:2008 (certificate available)

Sustainability

All profiles used are environmentally sustainable and can be fully recycled supporting building energy performance

Intellectual Property

Window patent EP-UK2013435
GlassShield trademark UK00003670222
GlassShield patent 2596528

For further product info and video demonstrations please visit <https://britplas.com/products/mental-health/safevent-window/>

Important: The information above is provided for guidance purposes only. It is provided subject to contract and no representation or warranty is made or intended. The window should be assessed or tested by each Client to ensure it meets the requirement of their patient group and intended use.

Anti-ligature disclaimer: This product may have varying degrees of anti-ligature characteristics. Any anti-ligature characteristics there may be are only intended to supplement and not replace or be an alternative to appropriate risk assessment and supervision of those who may be at risk. Other necessary protective measures may be required in the specific circumstances of usage. The customer must satisfy itself that the product(s) are suitable for their intended use. Britplas does not offer any products for sale as being 'ligature-free' and to the fullest extent permissible under applicable law it will not be liable for any claims connected to or arising from the attachment of ligatures on its products.