

TECHNICAL SPEC

Safevent®

The most widely adopted anti-ligature window for mental health environments

The original and multi award-winning anti-ligature Safevent®, trusted by over 80% of NHS Trusts and widely specified in supervised care environments worldwide.

The Safevent® - a benchmark product - was the first of its kind. Originally designed over 2 decades ago, it has been continuously refined in conjunction with clinicians, facilities managers, architects and service users since 2005.

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



Anti-ligature multitask® handle



10mm toughened glass for optimum strength



Anti-ligature



Lock open or shut at any point



GlassShield® for enhanced robustness



Anti-contraband



External access sash for safe cleaning



10 Year Warranty*



Maximum Ventillation



Finished in any RAL colour / BS powder



Adopted by over 80% of NHS Trusts



Stainless steel fixed visomesh for optimum security



Dual Colour



Annex B, BRE 2 tonne mesh & AMAA tested**



5 day replacement turnaround†



Optional integrated blinds



Available with a range of cills

* Subject to terms

** Subject to specific specification, available on request

† Subject to supply of materials



INTERNAL VIEW
(shown in 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 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.

MULTASK HANDLE

Single piece of hardware which does the job of a winder, patient thumb lock and staff lock.

PERFORMANCE

Weather

Tested to BS 6375 - 1:2015

Air Permeability (ENG1026)	Class 3
Watertightness (ENG1027)	Class 8A 450pa
Resistance to windload (EN12211)	Class CE2100

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 | PAS 24

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

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

AMAA 2,000 ft/lbs (additional spec required on request)

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

Further technical drawings/models are available on request.



INTERNAL VIEW



EXTERNAL VIEW

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
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

Option 1	Multask handle (stainless steel) Click here for demo
Option 2	- Anti-ligature window winder
	- Flush key lock (staff)
	- Manual thumb turn lock (patient)
Locks (external sash)	- Concealed key locks x2
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.

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.