

## Safevent® EHA (Enhanced High Acuity)

### Our most secure anti-ligature window for high acuity mental health environments

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

Building on over two decades of innovation, the Safevent® EHA retains the benchmark design that has set the industry standard for safety and performance, while introducing a steel hybrid frame system, often incorporating anti-scratch polycarbonate for added security in high risk areas.

Developed in collaboration with clinicians, facilities managers, architects, and service users, these refinements have been designed for added robustness and optimum strength, without compromising the window aesthetic.



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 ventilation



Finished in any RAL colour / BS powder



Annex B, BRE 2 tonne mesh & AMMA tested\*\*



Stainless steel fixed mesh for optimum security



Dual colour



Optional anti-scratch polycarbonate for added robustness



5 day replacement turnaround†



Steel hybrid frame system



Optional integrated blinds

\* Subject to terms

\*\* Subject to specific specification, available on request

† Subject to supply of materials

# Safevent® EHA (Enhanced High Acuity)



## 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.

## SLIDING EXTERNAL SASH

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



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

## FIXED MESH

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

## ROBUST, 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.

## STEEL HYBRID FRAME SYSTEM

Integrated high-strength perimeter reinforcement designed for maximum durability and a seamless internal finish, ensuring a robust and tamper-resistant solution.

## PERFORMANCE

### Weather

Tested to BS 6375 - 1:2015

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

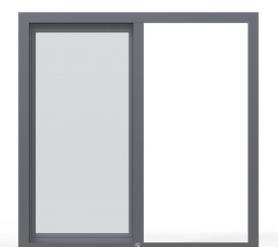
### Environmental

Tested in accordance with BS EN ISO 10077-1

|                    |   |
|--------------------|---|
| U-Value            | ≤1.8 - 2.2 W/m <sup>2</sup> °K<br>based on recommended glazing spec |
| Green Guide Rating | C   |

### Security

|  |        |
|--|--------|
| Medium Environmental Design Guide  | PAS 24 |
| STS202 BR1-4 (additional spec required, on request)  |        |
| AMAA 2,000 ft/lbs (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.

## TECHNICAL SPEC

## Safevent® EHA (Enhanced High Acuity)

| COMPONENTS  |  | OTHER   |
|---|--|---|
| <b>Frame</b>  |  | <b>Warranties</b>   |
| Profile   | Bespoke aluminium profile extruded from aluminium alloy 6060/6063 T5/T6 and compliant with BS EN 12202-2: 2001/BS 755-9: 2001  | 12 month warranty (extendable by maintenance contract)  |
| Finish  | All RAL / BS powder range / dual colour / bespoke finishes available to BS EN 12206-1:2021.<br>Anodising to BS EN 12373 and BS 3987  | 10 year warranty (subject to terms - available as an extension to an existing warranty or on new windows)   |
| Thermal Break   | Polyamide strips PA 6.6 25   | <b>Quality</b>  |
| Steel Hybrid System   | Hybrid, dual-material frame system featuring integrated steel reinforcement for exceptional strength and durability, with a discreet, near-seamless internal finish.<br><br>Available in either PPC or brushed stainless steel finish. | Manufactured and installed in accordance with ISO 9001:2008 (certificate available)   |
| Standard cill options   | 125mm, 159mm, 200mm, 250mm<br>(bespoke options available on request)   | <b>Sustainability</b>   |
| <b>Glazing options</b>  |  | All profiles used are environmentally sustainable and can be fully recycled supporting building energy performance  |
| Further options available on request  |  | <b>Intellectual Property</b>  |
| Standard - Fixed Unit (Structurally bonded)   | - 6.8mm laminated soft coat (external)<br><br>- 20mm argon filled warm edge spacer<br><br>- 10mm toughened & 4mm anti-scratch (internal)   | Window patent EP-UK2013435<br>Multask handle patent 2577180<br>GlassShield trademark UK00003670222<br>GlassShield patent 2596528  |
| Standard - Sash   | - 6mm toughened soft coat (external)<br><br>- 20mm argon filled warm edge spacer<br><br>- 6mm toughened (internal)   | <b>For further product info and video demonstrations please visit <a href="https://britplas.com/products/mental-health/safevent-window/">https://britplas.com/products/mental-health/safevent-window/</a></b> |
| 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  |   |
| <b>Visomesh</b>   |  |   |
| 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   |   |
| <b>Blinds</b>   |  |   |
| Integral Blinds   | Electronically operated (20mm spacer required)   |   |
| <b>Hardware</b>   |  |   |
| Option 1  | Multask handle (stainless steel) <a href="#">Click here for demo</a>   |   |
| Locks (external sash)   | Concealed key locks x2   |   |
| Tricklevent Options   | External operation, internal operation or permanently fixed  |   |
| <b>Fixings</b>  |  |   |
| 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.