



FAÇADE CREATIONS

Humber Two
Brochure

HUMBER™ TWO



WHAT IS THE HUMBER™ TWO?

Our most popular window solution suitable for low to medium secure facilities has been redeveloped. The Humber™ Two now has smaller sightlines, allowing for increased light transmittance and increased airflow. We've kept all of the main features whilst improving the finer details, further increasing it's levels of safety and security.

The Humber Secure consists of an external sliding sash operated by a reduced ligature rotating knob, with access to the external sliding sash being restricted by an internal Stainless Steel Removable PolarMesh. The PolarMesh is removable only by the maintenance department, to allow cleaning of the internal face of the sliding sash, deep cleaning of the PolarMesh, or to replace the PolarMesh. The external sliding sash has the option to be locked at 3 positions (Fully Open, Midpoint or Fully Closed) to allow staff control over the levels of natural airflow and temperature of the room. To aid safety & security of the window, there are no glazing beads.

MAIN FEATURES



REGISTERED DESIGN



DUAL COLOUR AVAILABLE



EXTERNAL HORIZONTAL SLIDING SASH



FULL RANGE OF RAL COLOUR OPTIONS



REMOVABLE STAINLESS STEEL POLARMESH



INFECTION CONTROL



POWDER COAT / ANODISED FINISH



REDUCED LIGATURE



THERMAL BREAK



3 POSITION LOCKING OF SLIDING SASH



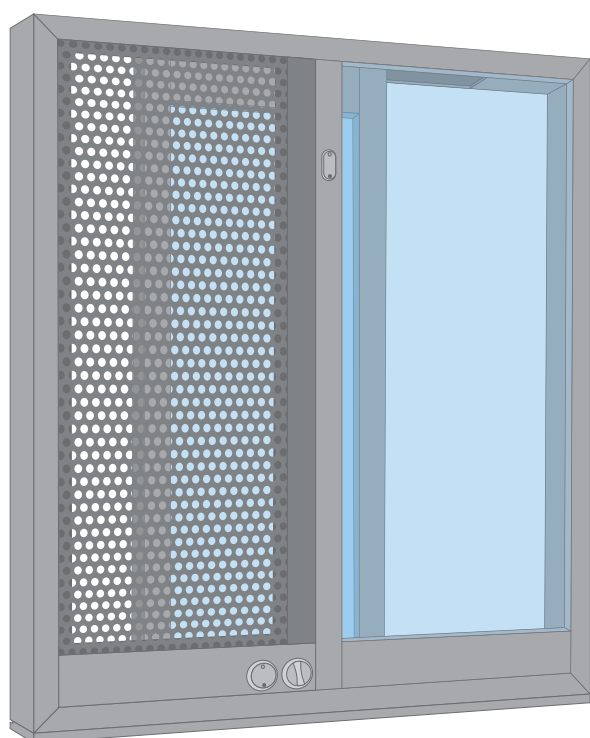
BEADLESS SYSTEM



GLAZING / PANEL UP TO 35.5MM



HUMBER™ TWO



THE TECHNICAL DETAILS

Standard PolarMesh

1.5mm Thick Anti-Tamper Reduced Ligature Stainless Steel Mesh

Perforation Standard	2mm Diameter Holes to 3mm Centres - Giving 40% Open Area
Colour/Finish	All RAL/BS powder range available to BS 6596

Hardware

Patient Control Operator	Reduced Ligature Rotating Knob (Aluminium)
Lock (Slider)	Flush Key Lock (Staff Control)
Lock (Mesh Panel)	Flush Key Lock (Maintenance Control)
Trickle Vent Option	Reduced Ligature (Controllable) (Optional)

Fixings

To suit surrounding structure, standard method will be by way of galvanised steel straps fixed at 200mm centres

Environmental - Tested In Accordance With BS EN ISO 10077-1

U-Value	≥ 1.8 W/m ² K based on recommended glazing specifications (Window size will affect U-Value)
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Weather - Tested to BS 6375 - 1:2009

Air Permeability (ENG1026)	Class 3
Watertightness (ENG1027)	Class 9A 600pa
Windload Resistance (EN12211)	Class B5

Security

Security Level	Adult Medium Secure
Testing	Successfully Tested by many NHS trusts to Annex B (Replicating Aggressive & Continuous Attack)
Locking Features	Internal Slider to lock at 3 points - Open, Midpoint or Closed (Staff Control) Key Lock to remove Polarmesh (Maintenance Control)

Cleaning

All glass faces inside and out to have provision to be cleaned. Removable secure PolarMesh will enable cleaning of the internal pane of the external slider. Removal will be by way of euro cylinder key lock (Maintenance Control)

Maintenance

PolarCare Maintenance Packages Available

Quality

Manufactured and installed in accordance with ISO 9001:2008

Sustainability

Manufactured and installed in accordance with ISO 14001:2015

Standard Warranty and Guarantee

Parts	12 Month Warranty
Installation	12 Month Warranty
Glass	60 Month Warranty
Paint	Guarantee dependant on finish and Installation Environment

Frame

Description	Horizontal sliding secure window. External sliding sash operated by a reduced ligature rotating knob & internal fixed PolarMesh (Removable for infection control). To aid safety & security there are no glazing beads on the Humber Secure.
Profile	Bespoke aluminium profile extruded from aluminium alloy 6060/6063 T5/T6 and compliant with BS EN 12020-2: 2001/BS 755-9: 2001
Colour/Finish	All RAL / BS powder range / Dual Colour / Bespoke finishes available to BS 6596. Anodising to BS EN 12373 and BS 3987
Thermal Break	Polyamide strips PA 6.6 25

Standard Glazing

Fixed Pane	9.5mm Toughened Laminate Clear With 1.5mm PVB Interlayer (Internal)
	16mm Argon Filled Black Warm Edge Spacer
	6mm Toughened Low E (External) (P ULTRA N II)
Sliding Pane (Protected By Mesh)	6mm Toughened (Internal)
	20mm Argon Filled Black Warm Edge Spacer
	6mm Toughened Low E (External)(P ULTRA N II)
G-Value	Standard - Sash • 59 Fixed • 58
Light Transmittance	Standard - Sash • 79 Fixed • 78
U-Value	≥ 1.1 W/m ² K
Variations	Performance Varies by Glass Specification
Other Applications	Sandblast/Solar/Obscure/Safety Film/Silver 20

Blinds

Integral Blinds	Electronically Operated (20mm Spacer Required) (Optional)
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