



Technical Data Sheet

Flushglaze Rooflight

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Name: Flushglaze
Type: Fixed flat rooflight

Description:

The Flushglaze is a fixed product designed to provide maximum daylight with minimum visible internal structure. It is available as a standard product, a fire-rated product and as a walk-on product.

A variety of optional extras such as special colour and easy clean coating are available.

This product is robust and long-lasting, boasting excellent thermal performance and air tightness.

Intended Use: Fixed rooflight to provide natural daylight and weather resistance. The product is fixed and does not open. Only walk-on units may be walked on, and only fire-rated units are certified as such.

External Weathered Upstand Dimensions of Standard Flushglaze Unit:

Min Span:	400 mm	Max Span:	8626 mm
Min Width:	400 mm	Max Width:	8626 mm
Min Upstand Pitch:	3°	Max Upstand Pitch:	70°

Glazing Vision recommends a pitch of at least 5° for standard units.

External Weathered Upstand Dimensions of Walk-On Flushglaze Unit:

Min Span:	400 mm	Max Span:	8626 mm
Min Width:	400 mm	Max Width:	8626 mm
Min Upstand Pitch:	1°	Max Upstand Pitch:	70°

Glazing Vision recommends a pitch of 1° for walk-on units.

External Weathered Upstand Dimensions of Fire-Rated Flushglaze Unit:

Min Span:	400 mm	Max Span:	1380 mm
Min Width:	400 mm	Max Width:	1380 mm
Min Upstand Pitch:	3°	Max Upstand Pitch:	10°

Glazing Vision recommends a pitch of at least 5° for fire-rated units. Kerb width must be between 75mm and 150mm

Note that the minimum and maximum span, width and pitch are dependent on various factors, your technical sales advisor will be happy to advise on these. Further information on upstand requirements and product dimensions can be found on our website or by contacting your technical sales advisor.

Glazing: A wide variety of glazing specifications are available for this product. Your technical sales advisor will be happy to answer any questions regarding specific glass specifications or glazing performance requirements. Otherwise, quotes include suitable and cost effective glazing proposals.

Unless otherwise stated, the default loadings used for specifying walk-on glass will be a distributed load of 1.50 kN/m² and a concentrated load of 2.00 kN per a 50 mm x 50 mm square area (standard domestic loadings). A variety of anti-slip finishes are available for walk-on glass.

Standard Colours:

Qualicoat approved RAL 7015 slate grey outer, no inner framework is visible.

Performance and Weathertightness:

The aluminium frame of the product employs a dual hardness EPDM insulating gasket to thermally isolate the frame from the interior of the building. Structural integrity is assured through the use of finite element analysis (FEA) and testing.

U-values are calculated for each product and will be supplied in our quote. Further information and specific performance details can be obtained from your technical sales advisor.

Standard and walk-on products are sealed to the upstand using silicone. Fire-rated products are sealed to the upstand using ceramic fire-rated tape and fire-rated silicone. The product is fixed in place with structural fixings which are either concealed by a clip-on cover or with lead (or other material) flashing (wall abutted units) leaving a sleek external finish.

The standard Flushglaze unit has been thoroughly tested and achieved the following classification results:

Size: 2000 mm span x 2500 mm width Pitch: 0°

Test	Standard	Classification/Declared Value	
Air permeability	EN 12207	Class 4	±600 Pa
Watertightness	EN 12208	Class 9A	600 Pa

Security and Certification for Standard and Walk-On Flushglaze Units:

This product is designed with security as a priority. This product is tested to LPS2081 Issue 1:2015. It is approved by the Loss Prevention Certification Board (Cert/LPCB ref: 1347a) and Secured by Design:

Secure (Security Rating A)

The inner pane must be at least 8.8 mm PVB laminated glass (two 4 mm thick panes separated by an 0.8 mm thick PVB interlayer).

Secure+ (Security Rating B)

The inner pane must be at least 9.5 mm ionomer laminated glass (two 4 mm thick panes separated by a 1.5 mm thick ionomer interlayer).

Security and Certification for Fire-Rated Flushglaze Units:

This product has been tested and certified for 30 minutes integrity and 30 minutes insulation. Tests were by Building Research Establishment (BRE) Watford (13 Nov 2007) and approved by International Fire Consultants. The BRE test report is number 239658 and the field of application report is number IFCA/08008.

Security and Certification for All Flushglaze Units:

This product has been independently performance tested by the British Board of Agrément (certificate number 12/4895). To achieve certification, it underwent a rigorous testing regime that included weathertightness, security, thermal performance, structural integrity and durability of paints and sealants.

The following optional extras are available for this standard product at additional cost:

Optional Extras:

Easy Clean Coating:	A coating applied to the external face of the glass that facilitates water run-off. Helps the glass stay cleaner for longer and makes cleaning easier.
Special Colour:	This product has a single colour as standard. This can be swapped for a special colour.
Upstand Top Trim:	Cover designed to mask the top of upstands which may be visible through glass when viewed from above. Includes detail to recess standard plasterboard.
Wall Abutments:	The product can be fixed and weathered to a wall rather than an upstand on up to three sides. This option is not available on the Fire-Rated Flushglaze.
EPDM:	A flexible membrane to provide additional waterproofing between the upstand and the product. This option is only available for the Walk-On Flushglaze.

A suite of sales drawings is available. Bespoke options may be available upon request but may incur additional design fees- contact your technical sales advisor for more information.