



Technical Data Sheet

Multipart Flushglaze Rooflight

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Name:	Multipart Flushglaze		
Type:	Fixed flat modular rooflight		
Description:	The Multipart Flushglaze is a fixed modular product designed to provide maximum daylight with minimum visible internal structure. This product is available in four different configurations:		
Self-Supporting	Back-to-Back	Glass-Fin	Walk-On
A simple weathertight silicone joint is used between the glazed units.	An internal beam formed of two back-to-back angles is used to support the edges of the glazed units at their joints.	A heat-strengthened laminated glass fin is used to support the edges of the glazed units at their joints.	A walk-on product using back-to-back angles to support the edges of the walk-on glazed units at their joints.
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.		
External Weathered Uprand Dimensions of Standard Flushglaze Unit:	Min Section Span: 400 mm Min Section Width: 400 mm Min Section Area: 0.16 m ² Min Uprand Pitch: 3° <i>Glazing Vision recommends a pitch of at least 5 degrees for standard units.</i>	Max Section Span: 4000 mm Max Section Width: 4000 mm Max Section Area: 10.00 m ² Max Uprand Pitch: 70°	
External Weathered Uprand Dimensions of Walk-On Flushglaze Unit:	Min Section Span: 400 mm Min Section Width: 400 mm Min Section Area: 0.16 m ² Min Uprand Pitch: 1° <i>Glazing Vision recommends a pitch of 1° for walk-on units.</i>	Max Section Span: 4000 mm Max Section Width: 4000 mm Max Section Area: 10.00 m ² Max Uprand Pitch: 70°	

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, where inner framework is visible (back-to-back and walk-on units), this is also RAL 7015 as standard.

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.

The product is sealed to the upstand using silicone and 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:

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

Fire Performance

Internal Fire Spread Class A1 in accordance with EU Decision 2000/147/EC, Classification without testing

External Fire Spread B_{ROOF(t4)} in accordance with clause 12.8 of Approved Document B Volume 1 and clause 14.8 of Approved Document B Volume 2.

Security and Certification:

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).

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.

Optional Extras:

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

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(s):

Self-supporting and glass-fin units have a single colour as standard. This can be swapped for a special colour. Back-to-back and walk-on units have separate inner and outer colours as standard. Each 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.

EPDM:

A flexible membrane to provide additional waterproofing between the upstand and the product. This option is only available for the Walk-On Multipart 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.