



Technical Data Sheet

GLAZING VISION

Flushglaze Rooflight

402-TDS-UK-001 – v1.4 – 23 Mar 2021



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.

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:

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.

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