



## Technical Data Sheet

# GLAZING VISION

### Manual Visionvent Rooflight

401-TDS-UK-001 – v1.1 – 13 Jan 2020



**Name:** GV Standard Manual Visionvent

**Type:** Hinged rooflight for ventilation

**Description:**

The Manual Visionvent is a thermally efficient product designed to provide ventilation. The product can be manually opened to a maximum height of approximately 300 mm through the use of a brass screw jack. Each unit is supplied with a crank handle. As standard this is 1.5m long (suitable for installations where the product is at a reach of up to 3m above floor level).

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, air tightness and reliable operation.

**Intended Use:** Hinged rooflight to provide natural daylight, day-to-day ventilation and weather resistance. It is not suitable for use as access.

<b>External Weathered Upstand Dimensions:</b>	Min Span:	415 mm	Max Span:	2365 mm
	Min Width:	415 mm	Max Width:	2365 mm
	Min Area:	0.17 m <sup>2</sup>	Max Area:	2.25 m <sup>2</sup>
	Min Upstand Pitch:	3°	Max Upstand 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.

**Standard Colours:** Qualicoat approved RAL 7015 slate grey outer, RAL 9010 pure white inner.

**Manual Operation:** The product is opened and closed by a centrally mounted brass screw jack, which is operated by the user below with a long crank handle.

**Performance and Weathertightness:** The product comprises thermally broken aluminium sections consisting of polyamide thermal breaks and closed cell PIR insulation thermally isolating the inner and outer frame sections. The lid 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 polybutyl and/or silicone and fixed in place with structural fixings which are concealed by a clip-on cover leaving a sleek external finish. Sealing between the base frame and the lid frame is achieved using a combination of silicone bubble seals and dual hardness EPDM gasket.

The product has been thoroughly tested.

#### Security and Certification:

This product is designed with security as a priority. The mechanisms cannot be back driven and cannot be tampered with from the outside.

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).

#### 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):	This product has separate inner and outer colours as standard. Each can be swapped for a special colour.
Telescopic Crank Handle:	An extra long telescopic (1.75m - 3m long) crank handle supplied in place of the standard crank handle. This is suitable for installations where the product is at a reach of up to 4.5m above floor level.
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.

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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