

## Technical Data Sheet

### Manual Skyhatch Rooflight

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**Name:** Manual Skyhatch  
**Type:** Manually operated hinged rooflight

#### Description:

The Manual Skyhatch is a manually operated product designed to allow infrequent access to a rooftop, such as for maintenance purposes. The lid opens to an angle of approximately 75°, allowing unimpeded access. The lid cannot open to any intermediary positions.

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 be used for maintenance access, to provide natural daylight, day-to-day ventilation and weather resistance.

**External Weathered Upstand Dimensions:**

|                    |                                  |                    |         |
|--------------------|----------------------------------|--------------------|---------|
| Min Span:          | 1100 mm                          | Max Span:          | 1100 mm |
| Width:             | 1100 mm, 1500 mm or 2000 mm only |                    |         |
| Min Upstand Pitch: | 3°                               | Max Upstand Pitch: | 10°     |

*Glazing Vision recommends a pitch of at least 5°.*

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 using two handles mounted on the lid frame. The user is assisted by gas struts and springs mounted within the frame of the product.

**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. 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 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 and blade seals.

The product has been thoroughly tested.

### **Security and Certification:**

This product is designed with security as a priority. The product is secured and locked by a centrally mounted rotating handle, supplied with a key. This mechanically fixes the lid at the two opening corners 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).

#### **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).

### **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.

#### **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.**