



## **Roofglaze Rooflights Ltd**

Tel: 01480 474797

To be read with Preliminaries / General Conditions.

### **PRELIMINARY INFORMATION / REQUIREMENTS**

Site dimensions must be taken and agreed to prior to the commencement of fabrication of the Rooflight Frames. All information should be read in conjunction with the approved drawings, specs and quotation.

### **COMPONENTS**

#### ALUMINIUM ROOFLIGHTS:

- A self-supported system, for applications in commercial or residential buildings.
- The system is installed to a builder's kerb, finished by roofing membrane. Recommended minimum pitch is 5° to help shed water but can be installed almost flat. The maximum recommended pitch is 25°, over this provide a flexible head flashing.
- Double or triple glazed hermetically sealed glass, UV resistant silicone seal. Optional painted or sandblasted perimeter border available upon request. Painted border not available on annealed laminate glass.
- Frames are manufactured from extruded aluminium section to EN 12020-1:2001.
- Polyamide Thermal Break within the glazing frame makes the frame fully thermally broken and thermally efficient.
- Polyester Powder Coated aluminium to BS EN 12206-1:2004.
- BS 476 - External Fire – AA, Non-Combustibility – Class O, Surface Spread Class 1.
- **15 Year warranty.**

#### PRODUCT

- Type: **Hinged Flatglass**
- Technical drawings of these products are available from:  
<https://www.roofglaze.co.uk/resources/product-drawings/>

Frame: Extruded aluminium section to BS1474, EN 12020-1:2001.

Kerb: Recommended 150mm high, minimum 100mm wide excluding finishes, top in one continuous plane.

- Manufacturer:

ROOFGLAZE ROOFLIGHTS LTD  
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St Neots, Cambridgeshire,  
PE19 8ET  
Tel: 01480 474797  
Web: [www.roofglaze.co.uk](http://www.roofglaze.co.uk)  
E-mail: [info@roofglaze.co.uk](mailto:info@roofglaze.co.uk)

Dirt Resistant coatings - Pilkington Activ Self Cleaning – requires 15° kerb pitch or greater  
Any pitch Ritec ClearShield easy clean coating

Solar Control Options - SGG COOL-LITE SKN solar control range or similar approved  
Body Tint Anti-sun - Pilkington Optifloat Tint range or similar approved



- Thermal Performance:

Double glazed total product U-value = 1.6 W/m<sup>2</sup>.K but as low as 0.8 W/m<sup>2</sup>.K

Triple glazed total product U-value = 1.2 W/m<sup>2</sup>.K but as low as 0.6 W/m<sup>2</sup>.K

*Area weighted U-values based upon a typical 1m x 2m unit*

- Service:

Roofglaze Rooflights can also provide a design and specification service and it is recommended that they are consulted early in the design process.

Roofglaze Rooflights would always recommend that a Flatglass unit should be installed to a minimum pitch of 5°, up to 2.0m span (down slope) and at a min. 10° over 2.0m span. This is to help facilitate water run-off thus reducing water ponding and to help alleviate the build-up of silt deposits. This is also required so that the unit drains properly.

### Hinged Flatglass

#### Type 1

- Manufacturer: Roofglaze Rooflights Ltd
  - Web: [www.roofglaze.co.uk](http://www.roofglaze.co.uk)
  - Tel: +44 (0)1480 474797
  - Product reference: Hinged Flatglass – *24v Electric 230v Electric Manual Winder Manual Access gas ram assisted*
- Type: *Rectangular Square*
- Size: *24v 230v Manual winder Manual Access as per drawing:*
- Frame finish: *Standard Marine Grade Polyester Powder Coated RAL: Colour T.B.C.*
- Glazing:
  - Outer pane: *4mm 6mm 8mm heat soak tested toughened glass*
  - Cavity: *20mm 16mm 14mm argon filled, silicone bonded + warm edge spacer*
  - Inner pane: *4mm 6mm 8mm heat soak tested toughened or 6.8mm 8.8mm laminated glass*
- Soft Low-E coating: *Always required to meet or exceed AD Part L target u-values*
- Additional requirements/  
options: Detailed site survey recommended prior to manufacture.  
Min. 150mm high x 100mm thick structurally sound kerb not by Roofglaze Rooflights.  
Flashing of kerb, not by Roofglaze Rooflights.  
*PVB Laminate/ SGP Laminate.  
Heat strengthened laminate.  
Coloured laminated glass.  
Toughened laminate.  
High performance solar control options.  
Obscure glazing available, sandblast all over, coloured PVB interlayer or satin glass.  
Body tint glass bronze, grey, blue & green.*



Ritec ClearShield easy clean coating.  
Active self-cleaning glass. Minimum pitch greater than 15° + chemical resistant silicone.  
Triple glazed available; seek advice on sizes.  
Electric 230v or 24v concealed chain link actuators.  
Multi rooflight control.  
Switches: Wall transformer switch, rain sensor, wind sensor, remote control, phone app, AOV control.  
Access hatch with gas ram assist, min. kerb span (down slope) 650mm, + locks & handle.  
Manual opener with worm gear and pole operation, max eaves kerb 115mm thick.  
Acoustic laminated glass.  
Improved U-values with Super Low-E coating.  
Georgian cavity bar.  
Dot matrix pattern.  
Extension to frame to accommodate larger specialist glass specs.  
Low iron glass.  
Insulated aluminium panel.  
Modular timber kerb available at 5° pitch or similar.  
Integrated blind within the IGU – white (please specify opening direction)

#### More about Hinged Flatglass:

- A self-supported rooflight for applications in commercial and residential buildings.
- Building Regulations (E&W) Approved Document L compliant design to achieve low U-value targets.
- Silicone jointed glazing for a flush outer surface.
- Ventilation option for natural ventilation in accordance with Building Regulation (E&W) Approved Document F available.
- Automatic Opening Vents (AOV) for natural ventilation can also be accommodated.
- Designed to be installed to a weathered builder's kerb, minimum 5° pitch.
- AA fire rated: AA designation (National Class) designation or Broof(t4) (European class)
- Non-fragile to ACR[M]:001 Class B and with laminated glass CWCT TN92 Class 2.
- Double or triple glazed units can be contained within a single frame to cater for a wide range of sizes.
- Designed to standard loadings of 640 N/m<sup>2</sup> (snow) and 750 N/m<sup>2</sup> (wind) and in accordance with the following British Standards:
  - BS 6375-1: Weather tightness.
  - BS EN 1026: Air permeability.
  - BS EN 1027: Water tightness test.
  - BS EN 12211: Wind resistance test.
  - BS EN 12206-1:2004 Polyester Powder Coated aluminium.
- Third party Air Permeability and Weather testing carried out at the BRE, report available upon request.
- Fully thermally broken glazing frame giving superior protection against heat loss and condensation.
- Aluminium frame weight = 4.91 kg/m.
- **15 Year warranty.**