

## **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 5°.
- Double glazed hermetically sealed glass, UV resistant silicone seal. Optional painted or sandblasted perimeter border available upon request. Painted border not available on annealed glass.
- Frames are manufactured from extruded aluminium section to EN 12020-1:2001.
- Polyamide Thermal Break to the glazing frame makes it fully thermally broken and thermally efficient.
- Weather tested to CWCT A4 Air Permeability & R7 Watertightness at Peak Pressure 600 pa.
- Tested for non-fragility to CWCT TN66/67 & TN92 Class 2.
- 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: **Sliding Flatglass over 1500mm long**
- A technical drawing of this product is 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  
11 Howard Road, Eaton Socon  
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 - All pitches - 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



- 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 maximum pitch of 5°. 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.

## Sliding Flatglass

### Type 1

- Manufacturer: Roofglaze Rooflights Ltd
  - Web: [www.roofglaze.co.uk](http://www.roofglaze.co.uk)
  - Tel: +44 (0)1480 474797
  - Product reference: Sliding Flatglass
- Type: Rectangular Square
  - Size: (Min. 0.8m x 1.5m max. 1.2m x 2m) As drawing:
- Frame finish: Standard Marine Grade Polyester Powder Coated RAL: Colour T.B.C.
- Glazing:
  - Outer pane: 4mm 6mm heat soak tested toughened glass with sandblasted border
  - Cavity: 24mm 20mm argon filled, silicone bonded + warm edge spacer
  - Inner pane: 4mm 6mm heat soak tested toughened or 6.8mm 8.8mm laminated glass  
heat strengthened laminated glass
- Soft coat 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.  
Unit to comprise one pane of glass.  
PVB Laminate/ SGP Laminate.  
Coloured laminated glass.  
Heat strengthened laminate.  
High performance solar control options.  
Obscure glazing available, sandblast all over, coloured PVB interlayer or satin glass.  
Body tint glass grey, blue, bronze or green.  
Ritec ClearShield easy clean coating.  
24v concealed chain link actuator.  
Rain sensors, multi rooflight control, remote opening, AOV control.  
Switches: Wall transformer switch with touch button and remote control.  
Acoustic laminated glass.  
Coloured laminated glass.  
Improved U-values with super Low-E coating.  
Georgian cavity bar.  
Dot matrix pattern.  
Low iron glass.  
Insulated aluminium panel.  
Modular timber kerb at 5° pitch or similar.



### More about Sliding 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, maximum 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.
- 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.
- Aluminium frame weights = 4.91 kg/m.
- **15 Year warranty.**