



## **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 70°. Max pitch without a head flashing 25°.
- Double or triple glazed with hermetically sealed glass, 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 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 1 or Class 2.
- Tested for security to Certisecure STS202 level BR2.
- Approved Doc Q Compliant.
- 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: **Fixed Flatglass Protect+**
- 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 75mm 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 - Pilkington Activ Self Cleaning – requires 15° kerb pitch or greater  
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 = 1.5 W/m<sup>2</sup>.K but as low as 0.7 W/m<sup>2</sup>.K to special order

Triple glazed total product U-value = 1.1 W/m<sup>2</sup>.K but as low as 0.5 W/m<sup>2</sup>.K to special order

*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.

### Fixed Flatglass Protect+

#### Type 1

- Manufacturer: Roofglaze Rooflights Ltd
  - Web: [www.roofglaze.co.uk](http://www.roofglaze.co.uk)
  - Tel: +44 (0)1480 474797
  - Product reference: Fixed Flatglass Protect+
- Type: Rectangular Square
- Size: (Max. size 1.2m x 3.0m) As drawing:
- Frame finish: Standard Marine Grade Polyester Powder Coated RAL: Colour T.B.C.
- Glazing:
  - Outer pane: 6mm 8mm 10mm heat soak tested toughened glass with a sandblasted border
  - Cavity: 18mm 16mm 14mm 90% argon filled, silicone bonded + warm edge spacer
  - Inner pane: 8.8mm 9.5mm 10.8mm annealed laminated glass heat strengthened laminated
  - 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 75mm thick structurally sound kerb not by Roofglaze.  
Flashing of kerb, not by Roofglaze.  
Rooflight to comprise 1 No. pane of glass.  
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.  
Acoustic laminated glass.  
Coloured laminated glass.  
Improved U-values with super Low-E coating.  
Low iron glass.  
Heat strengthened laminate.  
Clutch head tamper-proof fixing screws.  
Wall abutment to head verge head & verge head & both verges.  
One raked edge Multiple raked edges.



### More about Fixed Flatglass Protect+:

- 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.
- Building Regulations (E&W) Approved Document Q compliant with third party accreditation to Certisecure STS202 level BR2 by Warrington Fire and Exova, report available upon request.
- Designed to be installed to a weathered builder's kerb, minimum 5° pitch.
- 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> (wind) and 750 N/m<sup>2</sup> (snow) 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.
- AA fire rated: AA designation (National Class) designation or Broof(t4) (European class).
- Aluminium frame weight = 3.22 kg/m.
- **15 Year warranty.**