



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°.
- Max span down slope of 2.5m as standard. Over 2m reinforced glazing bars required.
- Double or triple glazed hermetically sealed glass, UV resistant silicone seal. Painted perimeter border available.
- 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.
- Non-fragility to CWCT TN66/67 & TN92 Class 0.
- Designed to loadings within BS EN 1991-1-1 Loadings for Buildings - UK Annex.
- 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: **Multi-Pane Walk On Flatglass**
- 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:

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St Neots, Cambridgeshire,
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Tel: 01480 474797
Web: www.roofglaze.co.uk
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Dirt Resistant coatings - Ritec ClearShield easy clean coating.

Solar Control Option - Solar Control PVB Interlayer.

Body Tint Anti-sun - Pilkington Optifloat Tint range or similar approved to inner skin only.



- Thermal Performance:

Double glazed total product U-value = 1.6 W/m².K but as low as 1.3 W/m².K
 Triple glazed total product U-value = 1.2 W/m².K but as low as 1.0 W/m².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. If the unit is to be walked on, then the pitch should be minimal, but a fall is still required for drainage.

Multi-Pane Walk On Flatglass

Type 1

- Manufacturer: Roofglaze Rooflights Ltd
 - Web: www.roofglaze.co.uk
 - Tel: +44 (0)1480 474797
 - Product reference: Multi-Pane Walk On Flatglass
- Type: Rectangular Circular Square Bespoke
- Size: Up to 2.5m down slope and any length. As drawing:
- Frame finish: Standard Marine Grade Polyester Powder Coated RAL: Colour T.B.C.
- Glazing:
 - Outer pane: 33mm 39mm 48mm heat soak tested toughened & laminated glass
 - Cavity: 16mm 90% argon filled, silicone bonded + warm edge spacer
 - Inner pane(s): 6mm heat soak tested toughened or 13.5mm heat strengthened laminate
 - Soft coat Low-E coating: Required
 - Additional requirements / options:
 - Detailed site survey required prior to manufacture.
 - Min. 150mm high x 75mm thick structurally sound kerb not by Roofglaze Rooflights.
 - Flashing of kerb, not by Roofglaze Rooflights.
 - Back to Back 50.8mm x 101.6mm x 6mm intermediate glazing bars.
 - Rooflight to comprise XNo. sections bolted together and weathered on site.
 - Residential spec glazing for up to 1.5kN/m² distributed & 2.0kN concentrated loads.
 - Commercial spec glazing for up to 4.0kN/m² distributed & 3.6kN concentrated loads.
 - Heavy commercial glazing for up to 5.0kN/m² distributed & 4.5kN concentrated loads.
 - Surface etching to provide slip resistance to BS7976-2, Av. wet up to 61.
 - Spans up to 2500mm down the slope as standard.
 - Powder coated cover shroud available upon request.
 - Obscure glazing available, sandblast all over or coloured PVB interlayer.
 - Internal option single glazed laminated 25.5mm 33mm 48mm.
 - Wall abutment to head verge head & verge head & both verges.
 - Raised ceramic frit to top face of glass unit to provide slip-resistance.
 - Laminated inner skin.
 - Triple glazed.
 - Body tint glass grey, blue, bronze or green.
 - Ritec ClearShield easy clean coating.
 - One raked edge.



One raked edge Multiple raked edges.

Acoustic laminated glass inner skin.

Coloured laminated glass inner skin.

Integrated blind within the IGU – white (please specify opening direction)

More about Multi-Pane Walk On 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.
- Designed to be installed to a weathered builder's kerb minimum 5° pitch to shed water or almost flat if walked on.
- Non-fragile to CWCT TN92 class 0.
- AA fire rated: AA designation (National Class) designation or Broof(t4) (European class)
- Circular or tapering rooflights are available.
- Designed 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 1991-1-1 Loadings for Buildings - UK Annex.
 - BS EN 12206-1:2004 Polyester Powder Coated aluminium.
- Aluminium frame weight = 3.22kg/m.
- **15 Year warranty.**