

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 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 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 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: **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, structurally sound.

- Manufacturer:
ROOFGLAZE ROOFLIGHTS LTD
11 Howard Road, Eaton Socon
St Neots, Cambridgeshire
PE19 8ET
Tel: 01480 474797
Web: www.roofglaze.co.uk
E-mail: info@roofglaze.co.uk

Dirt Resistant coatings - Ritec ClearShield easy clean coating.

Solar Control Options - 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 = Typical 1.6 W/m².K but as low as 1.3 W/m².K

Triple glazed total product U-value = Typical 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 Walk On unit should be installed to a minimum pitch of 5° up to 2.0m span and 10° over 2.0m in one panel if unit is not to be walked on. This is to help facilitate water run-off thus reducing water ponding and to help alleviate the build-up of silt deposits and help the drainage of the unit. If the unit is to be walked on then the pitch should be minimal, but a fall is still required for drainage. Roofglaze Rooflights would always recommend an anti-slip coating to the glass.

Walk On Flatglass

Type 1

- Manufacturer: Roofglaze Rooflights Ltd
 - Web: www.roofglaze.co.uk
 - Tel: +44 (0)1480 474797
 - Product reference: Walk On Flatglass
- Type: *Rectangular Square Circular Bespoke*
- Size: *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 + black border*
 - Cavity: *18mm 90% argon filled, silicone bonded + warm edge spacer*
 - Inner pane(s): *6mm heat soak tested toughened 13.5mm heat strengthened laminate*
 - Soft coat Low-E coating: *Always required to meet or exceed AD Part L target u-values*
 - 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.
 - Rooflight to comprise 1 No. section.
 - 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.
 - Obscure glazing available, sandblast all over or coloured PVB interlayer.
 - Internal Walk On option: single glazed laminated *33mm 39mm 48mm*.
 - Wall abutment to *head verge head & verge head & both verges*.
 - One raked edge.
 - Multiple raked edges.
 - Laminated inner skin.
 - Triple glazed.
 - Body tint glass grey, blue, bronze or green.
 - Ritec ClearShield easy clean coating.
 - Acoustic laminated glass.
 - Coloured laminated glass.
 - Heat strengthened laminate.
 - Modular timber kerb at 5° pitch or similar.
 - Integrated blind within the IGU – white (please specify opening direction)

More about Walk On Flatglass:

- A self-supported rooflight for applications in commercial and residential buildings.
- 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 irregular shaped rooflights also 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 = 3.22 kg/m.
- **15 Year warranty.**