

Flatglass

Walk-on Flatglass Rooflights

A safe, modern and attractive daylighting solution for roof terraces, enabling the enhancement of both outdoor and indoor living spaces

Key Features & Benefits

- 15 year warranty*
- External and Internal Walk-on rooflight options
- Contemporary, minimalist framework design
- Black (RAL 9005) painted border as standard (other painted border colours available)
- Ideal solution for introducing more natural daylight into basements and cellars
- Excellent thermal performance, achieving system U-values as low as 0.9 W/m²K with super Low-E coatings and specialist glass
- Quick and easy to install on-site

Frame Specification

- The Fixed Flatglass rooflight frame is manufactured from extruded aluminium section to BS 1474, EN 12020-1:2001
- Polyamide thermal break within the glazing frame makes it fully thermally-broken and extremely thermally-efficient
- Polyester Powder Coated Aluminium to BS EN 12206-1:2004
- RAL Colours: Anthracite Grey (RAL 7016) frames on standard rooflights
- White (RAL 9010) and Black (RAL 9005) frames are also available as standard options
- Bespoke RAL colour options available

Glass Specification

Double Glazed:

Outer: 33mm, 39mm or 48mm clear toughened and laminated safety glass with painted border
 Cavity: 16mm Argon filled with Swisspacer warm edge spacer silicone bonded
 Inner: 6mm clear toughened or 13.5mm clear heat strengthened laminated safety glass
 Surface Etching available to provide slip-resistance to BS 7976-2
 Designed to CWCT Class 0 (BS EN 1991-1-1: Actions on Structures)

Loading Options

Residential specification glazing:
 for up to 1.5kN/m² distributed and 2.0kN concentrated loads
 Commercial specification glazing:
 for up to 4.0kN/m² distributed and 3.6kN concentrated loads
 Heavy Commercial specification glazing:
 for up to 5.0kN/m² distributed and 4.5kN concentrated loads

Design Loadings

EN 1991-1-1 Categories: A1, D2, C34
 Product Weight:
 Min. 120 kg/m² (External Walk-on)
 Min. 85 kg/m² (Internal Walk-on)



Product Testing & Certification

- Weathertightness: CWCT Class A4 Air leakage, Resistance to Wind Class E2400 Pa and Watertightness Class R7
- Non-fragility: CWCT Class 0 compliant rooflights
- AA Fire-rated: AA Designation (National Class) or BROF (T4) European Class and Euro Class A1 non-combustible

Critical Kerb External Dimensions (Standard Glass Specification)

Single Pane Walk-on rooflights:

Min. Kerb Height: 150mm (at the eaves end - External Walk-on)
 Min. Kerb Thickness: 75mm (excluding finishes - External Walk-on)
 Min. End Bearing: 50mm (Internal Walk-on)
 Max. Size: 2500mm x 3200mm (dependent on glass specification)
 Min. Size: 400mm x 400mm
 Min. Pitch: 0°



British Standards Compliance

BS 6375-1: Weathertightness
BS EN 1026: Air Permeability
BS EN 1027: Watertightness
BS EN 12211: Wind Resistance
BS EN 12206-1:2004: Polyester Powder Coating (External Walk-on)

Bespoke Glazing Options

- Privacy Glass
- Body Tinted
- Acoustic Laminate
- Easy-clean Coatings (Ritec)



Product Variations

- Multi-pane Walk-on rooflights with silicone jointed glazing for a flush outer surface (see Multi-section Flatglass data sheet or the Roofglaze website for more details)
- Circular, elliptical and bespoke shaped rooflights available

Wall Abutment Details (External Walk-on rooflights):

- Head Abutments
- Verge Abutments
- Head and Verge Abutments up to three sides

Rooflight Performance

Building Regulations (E&W) Approved Document L compliant design to achieve low U-values

U-values: As low as 0.9 W/m²K

G-values: As low as 0.33

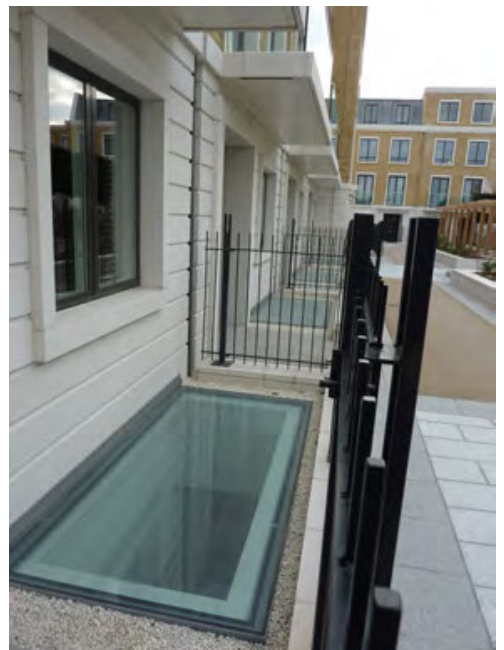
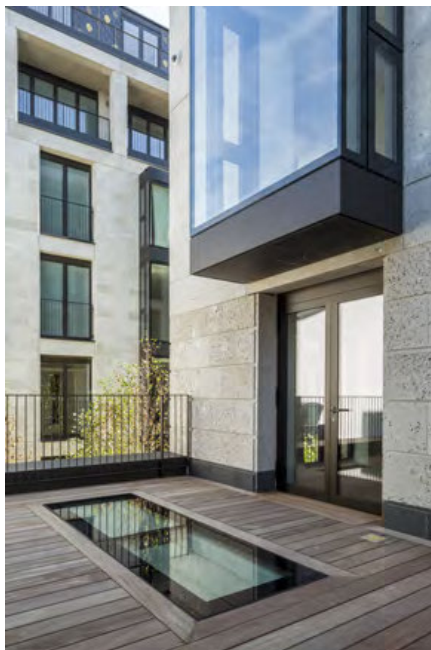
Light Transmission: Up to 71%

Rooflight Cleaning & Maintenance

All of our Flatglass rooflights can be supplied with an easy-clean coating, the Ritec ClearShield system provides an efficient solution to greatly reduce the need for cleaning

'Non-stick', easy-clean rooflight protection provides:

- Reduced cleaning time, effort and frequency
- Keeps rooflights looking like new, staying cleaner for significantly longer
- Resists glass staining and contamination from tree sap, bird droppings, traffic pollution and general dirt
- Helps to maintain your Window Energy Rating
- More daylight leads to enhanced well-being



Get in touch for Technical and Estimating Advice

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