

Flatglass

Hinged Flatglass Rooflights

A contemporary, easy-to-use ventilation and daylighting solution for modern buildings

Key Features & Benefits

- 15 year warranty*
- Fully thermally-broken aluminium glazing frame prevents cold bridging, reducing the risk of condensation
- Electric (230v as standard, with 24v options) and Manual Hinged (Wormgear Spindle) rooflights are available
- Excellent thermal performance, with total system U-values as low as 0.6 W/m²K achievable
- Quick and easy to install on-site
- Designed to be installed on pitches from 3 degrees
- Recommended minimum pitch of 5 degrees to help shed water
- Minimal framework: daylight is maximised while the visible framework is minimised

Frame Specification

- The Hinged 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 stock rooflights
- White (RAL 9010) and Black (RAL 9005) frames are also available as standard options
- Bespoke RAL colour options available on request

Critical Kerb External Dimensions (Standard Glass Specification)

Min. Kerb Height: 150mm (at the eaves end)
 Min. Kerb Thickness: 75mm (excluding finishes)
 Max. Size (Square): 1850mm x 1850mm
 Max. Size (Rectangular): Dependent on glass specification
 Min. Size: 600mm x 600mm
 Min. Pitch: 3°
 Chain Stroke (Electric Hinged): 200mm as standard (100mm and 300mm options available)
 Worm Screw Stroke (Manual Hinged): 300mm Max.

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

Design Loadings

Snow: 640 N/m²
 Wind: 750 N/m²
 Product Weight: From 51 kg/m²



Product Testing & Certification

- Weathertightness: CWCT Class A4 Air leakage, Resistance to Wind Class E2400 Pa and Watertightness Class R7
- Non-fragility: CWCT TN66/67 and TN92, with Class 1 and Class 2 compliant solutions available
- AA Fire-rated: AA Designation (National Class) or BROF (T4) European Class and Euro Class A1 non-combustible

Rooflight Control Options

- Supplied with a white Rocker Switch as standard (Electric Hinged)
- MB08 Temperature, Wind and Rain Sensors (plus remote options)
- Touchpoint and Key Switches, plus Multi-zone operation options
- Telescopic winding pole up to 3.0m (Manual Hinged)

Glass Specification

Double Glazed - Standard:

Outer: 4mm or 6mm Clear Heat Soak Tested Toughened glass
 Cavity: 24mm or 20mm Argon filled with Swisspacer warm edge spacer silicone bonded
 Inner: 4mm or 6mm Clear Heat Soak Tested Toughened glass with Soft Low-E coating to cavity face

Double Glazed (CWCT Class 2 Non-fragile):

Outer: 6mm Clear Heat Soak Tested Toughened glass with Soft Low-E coating to cavity face
 Cavity: 16mm Argon filled with Swisspacer warm edge spacer silicone bonded
 Inner: 9.5mm Laminated glass with PVB interlayer and polished edges

Bespoke Glass Options

- Solar Control
- Privacy Glass
- Body Tinted
- Acoustic Laminate
- Coloured Glass
- Easy-clean Coatings (Ritec)
- CUIIN Advanced Thermal Performance
- Triple Glazed and 8.8mm Laminated Inner options are available on request

Rooflight Performance

Building Regulations (E&W)
 Approved Document L compliant design to achieve low U-values
 U-values: As low as 0.6 W/m²K
 G-values: As low as 0.19
 Light Transmission: Up to 78.5%



Get in touch for Technical and Estimating Advice

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