



Skyway Sliding Flatglass

A high-end, retractable rooflight that creates bright and airy spaces with daylight, natural ventilation and roof access

Technical
Data
Sheet
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Key Features & Benefits

- Daylight, natural ventilation and roof access solution
- Ideal for rooftop areas where high wind loadings are apparent
- Operated by fully-concealed 24v electric chain linked actuators
- Fully thermally-broken aluminium frame prevents cold bridging, reducing the risk of condensation
- Excellent thermal performance, with total system U-values as low as 0.6 W/m².K achievable
- Quick and easy to install on-site
- Designed to be installed on roof pitches from 1 degree
- Recommended minimum kerb pitch of 5 degrees to help shed water
- Minimal framework: daylight is maximised while the visible framework is minimised
- More daylight = less artificial light = energy savings
- BIM Objects
- NBS Specification document
- Product CAD drawings
- Install guides, set up and wiring instructions
- More daylight leads to enhanced well-being

Frame Specification

- The Sliding Flatglass rooflight frame is manufactured from extruded aluminium section to BS 1474, EN 12020-1:2001
- Polyester Powder Coated Aluminium to BS EN 12206-1:2004
- RAL Colour: Anthracite Grey (RAL 7016) frames
- White (RAL 9010) and Black (RAL 9005) frames are also available as standard options
- Bespoke RAL colour options available

Glass Specification

Double Glazed - Standard:

Outer: 6mm Clear Heat Soak Tested Toughened glass

Cavity: 20mm Argon filled with Swisspacer warm edge spacer silicone bonded for a UV resistant edge seal

Inner: 6mm Clear Heat Soak Tested Toughened glass with Soft Low-E coating to cavity face

Double Glazed - Laminated Inner:

Outer: 6mm Clear Heat Soak Tested Toughened glass with Soft Low-E coating to cavity face

Cavity: 18mm Argon filled with Swisspacer warm edge spacer silicone bonded for a UV resistant edge seal

Inner: 8.8, 9.5, 10.8, 11.5, 13.5mm Laminated glass with PVB interlayer and polished edges

CWCT Class 1 & 2 non-fragility options available

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 Broof (T4) European Class and Euro Class A1 non-combustible

Critical Kerb External Dimensions = Rooflight Order Size

Min. Kerb Height:

150mm (at the eaves end)

Min. Kerb Thickness:

75mm (excluding finishes)

Max. Kerb Thickness:

Dependent on glass specification

Max. Size:

1200mm x 2000mm

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Min. Recommended Kerb Pitch:

5° to shed water

Chain Stroke

600mm, 800mm or 1000mm

Max Kerb Pitch:

5°

Bespoke Glass Options

- Solar Control
- Privacy Glass
- Body Tinted
- Acoustic Laminate
- Coloured Glass
- Easy-Clean Coatings (Ritec)
- CUIin Advanced Thermal Performance
- Laminated Inner pane options

British Standards Compliance

- BS 6375-1: 2015+A1:2016 Weathertightness
- BS EN 1026:2016 Air Permeability
- BS EN 1027: 2016 Watertightness
- BS EN 12211: 2016 Wind Resistance
- BS EN 12206-1:2004: Polyester Powder Coating

Rooflight Control Options

- White transformer switch as standard
- Remote control included
- Rain sensor option available

Rooflight Performance

- Building Regulations (E&W)
- Approved Document L compliant design to achieve low U-values
- U-values: As low as 0.6 W/m².K
- G-values: As low as 0.19
- Light Transmission: Up to 79.1%

Design Loadings

Snow: 640 N/m²

Wind: 750 N/m²

Product Weight: From 51 kg/m²

Product Variations

- Frame designed for use under 1500mm long
- Frame designed for use over 1500mm long
- Electric operation
- Manual operation

Rooflight Cleaning & Maintenance

All our Skyway Flatglass rooflights can be supplied with an Easyclean 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 Window Energy Ratings

Get in touch for Technical and Estimating Advice
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