



# Electric Sliding

## Technical Data Sheet V.1-2024

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Manufactured in The UK
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15 Year Warranty\*
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Industry Leading Weather Testing
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U-Values as Low as 0.5 W/m<sup>2</sup>.K
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Marine Grade Powder Coating
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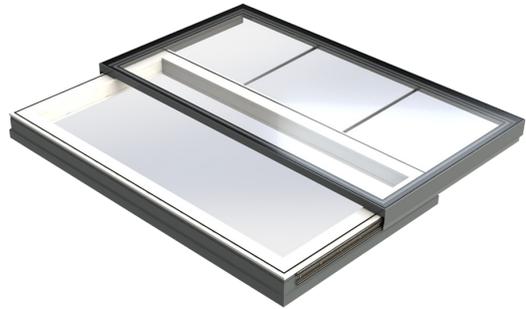
Concealed Fixings

### Key Features & Benefits

- Daylight, natural ventilation and roof access solution
- Ideal for rooftop areas subject to high wind loadings
- Operated by fully concealed 24v electric chain link 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 0.5 W/m<sup>2</sup>.K achievable
- Quick and easy to install
- 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 Electric Sliding Flat Glass rooflight frame is manufactured from extruded aluminium section to BS 1474, EN 12020-1:2001



- Polyamide thermal break to BS EN ISO 16396-2:2017 making the frame fully thermally broken and extremely thermally-efficient
- Polyester Powder Coated Aluminium to BS EN 12206-1:2004
- RAL Colours: Anthracite Grey (RAL 7016) Matt and Black (RAL 9005) Matt as standard options
- Bespoke RAL colour options also available, Matt finish as standard
- Marine Grade Polyester Powder Coating as standard

### Glass Specification

Hermetically sealed Double Glazed – IGU:

**Outer:** Heat Soak Tested Toughened glass

**Cavity:** Argon filled with Swisspacer warm edge spacer + silicone bonded for a fully UV resistant edge seal

**Inner:** Laminated or Heat Soak Tested Toughened Glass + Soft Coat Low-E for excellent thermal efficiency

- For even better thermal efficiency, bespoke glass with ultra-low U Values is available to special order
- CWCT Class 1 & 2 non-fragility options are available upon request



## Product Testing & Certification

- Non-Fragility: CWCT TN66 & TN67 or CWCT TN92
- Non-Fragility CWCT Class 1 Certified
- Non-Fragility CWCT Class 2 Certified
- Extensive in-house testing
- AA Fire-rated: AA Designation (National Class) or Broof (T4) European Class
- Weather tested to CWCT Class A4 & Class R7
- Certisecure STS202 BR2

## Critical Kerb External Dimensions = Rooflight Order Size

**Min. Kerb Height:** 150mm (at the eaves end)

**Max. Kerb Thickness:** Dependent on glass specification

**Max. Size:** 1200mm x 2000mm

## Bespoke Glass Options

- Solar Control
- Privacy Glass
- Body Tinted Coloured Glass
- Acoustic Laminate
- Easy-Clean Coatings (Ritec)
- CUin Advanced Thermal Performance
- Laminated Inner Pane options
- Blind under glass or in lightwell
- Paint or Sandblast borders
- Low Iron Glass
- Artwork manifestations
- Company logo manifestations

## 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
- BS EN ISO 16396-2:2017 Thermal Break
- BS 1474, EN 12020-1:2001 Extruded Aluminium Sections
- BS EN 14351-1: 2006 + A2: 2016 Window Performance
- BR443: 2019 Conventions for U Value Calculations

## Rooflight Performance

- Building Regulations (E&W) Approved Document L compliant design to achieve low U Values
- U Values: As low as 0.5 W/m<sup>2</sup>.K
- G-values: As low as 0.19
- Light Transmission: Up to 79.1%
- Flat Glass Protect+ Rooflights Part Q compliant

## Design Loadings

**Snow:** 640 N/m<sup>2</sup>

**Wind:** 750 N/m<sup>2</sup>

**Product Weight:** From 51 kg/m<sup>2</sup>

## Product Variations

- Single
- Square
- Rectangular
- Timber kerb

## Control Options

- Standard touch screen transformer wall switch
- Remote control connects directly to the switch
- Battery backup available for use during mains power failure
- Wi-Fi app for home hub integration
- Input sensors such as automatic closing for rain or wind, temperature sensor, and timer control

## Rooflight Cleaning & Maintenance

All our Flat Glass 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 Window Energy Ratings



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