

The Rainclear Systems Flat Glass Rooflight offers a clean, minimalistic finish both inside and out, an elegant go-to solution.

Technical Data

Glazing:

- Double-glazed as standard – triple glazed by special order
- Standard double-glazed glass specification:
 - 6mm Clear toughened outer
 - 16mm Argon filled warm edge spacer silicone bonded
 - 8.8mm laminated inner pane with PVB interlayer (11.5mm on larger units)
- Other glass specifications:
- Refer to glass specification and performance chart for information relating to other specifications

Frame:

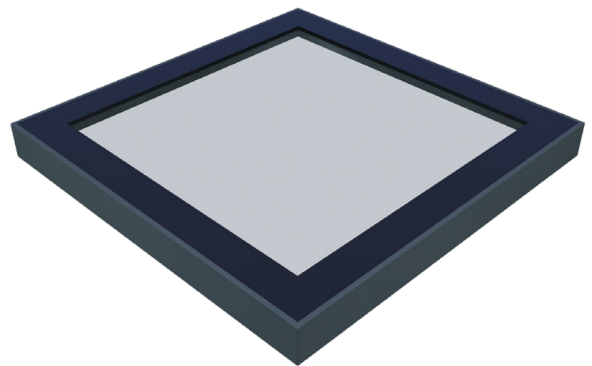
Rooflight frame is manufactured with fully thermally broken design and welded aluminium frame and cill detail. All visible aluminium is polyester powder coated.

Performance – Rooflight:

Refer to glass specification and performance chart and data related to relevant unit size.

Performance – Upstand:

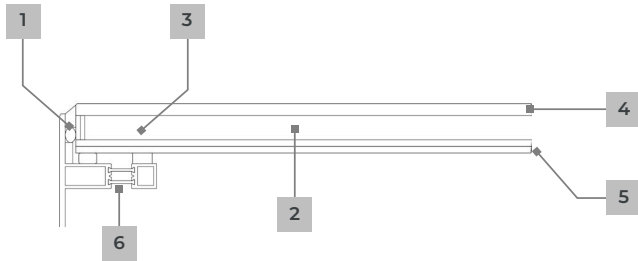
Refer to curb data sheet.



Features & Benefits

- Flush glazed glass-to-edge design
- Non-fragility CWCT Class 1 tested as standard
- Good thermal and sound insulation properties
- Factory pre-glazed for easy installation
- Ventilation options available
- Secure, welded glazing frame
- Compatible with builders and uPVC upstands
- Compatible with new Timber Sloping Upstand
- Thermally broken frame
- Aluminium frame powder coated to any RAL colour
- EasyClean Coating available
- 18 sizes available from stock for delivery within 1-5 working days (3 new sizes 5-10 working days)
- Bespoke units available in 6-8 weeks

Product Diagram



1	Frame	Aluminium
2	Gas	Argon
3	Warm spacer	✓
4	Toughened outer pane	✓
5	Laminated inner pane	✓
6	Thermal break + box section	✓
	Install pitch (upstand)	5-15° recommended
	Standard frit width	84mm
	External frame colour	RAL 7016 anthracite grey or any standard RAL colour
	Ud-value *	1.23 W/m ² K
	Non-fragility	CWCT TN66/67 Class 1
	Airtight BS6375-1:2015 and BS EN 12207	Class 2 300 Pa
	Wind loads BS 6375-1:2015 and BS EN 12210	Class A2

* complete glass unit tested vertically

Testing & Certification

Requirement	Result	Classification
Air Tightness	Class 2 (300pa)	EN12207/ EN1026
Water Tightness	Pass (without penetration of water)	EN 1873
Impact Resistance	CWCT Class 1 (or 2 dependant on size)	-

Guarantee

Manufacturer product factories guarantee quality systems implementation process and environmental management systems.

Rooflight Performance

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

- **U-Values:** As low as 1.23 W/m²K
- **G-Values:** As low as 0.36
- **Light Transmission:** Up to 80%

Roof Pitch

Recommended to be installed on roof slopes 5-20°.

Options & Accessories

Standard comfort controls:

- For electric opening (see electric opening data sheet)
- Option of retractive switch or comfort kit including a control panel, remote control and rain sensor

Premium comfort controls:

- For electric opening (see electric opening data sheet)
- Wireless controls which include open/close manual switch and internal and external temperature
- Wireless weather station which includes wind and rain sensor
- Option of handheld remote

Product Variations

Ventilation options:

- Available as standard fixed unit
- Electrically opening units operated by slimline chain actuator (see electric opening data sheet)
- Stroke length(mm): 200mm
- Manually opening units incorporate winding spindle opening to approximately 200mm

Cleaning & Maintenance

Any maintenance of rooflights must be carried out strictly in accordance with the relevant 'Health and Safety' regulations.

Glazing: rooflights are 'Non-Fragile' but should not be trafficked. Wash and rinse glazing at intervals, to be determined by the owner. Use a solution of 5% mild soap or detergent cleaning solution sprayed on to wash the glazing surface. Follow immediately with clean water and promptly remove excess rinse water with a clean squeegee. DO NOT use abrasive cloth, sponges, cleaner or solvent acid-based solution on the glazing. Should stronger cleaning compounds be needed to remove stubborn stains, consult manufacturer for recommendations.

uPVC Curb: curbs are made of shock resistant uPVC which does not need any additional finish. The curbs are equipped with a self-adhesive protection film on the inside, which must be removed at first use. When cleaning the curb, only use non-abrasive and neutral cleaning products, you will keep the smooth inner aspect.

Electric motors: Must be installed by a qualified electrician. Test annually by an Approved Electrical Installations Testing Company. Physically check fixing brackets to ensure fixings are secure.

