

Flat Glass Rooflight - non-opening

TECHNICAL DATA SHEET | 22.05.24 | V 5.0

Offering a clean, minimalistic finish both inside and out, **this rooflight** is the 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:

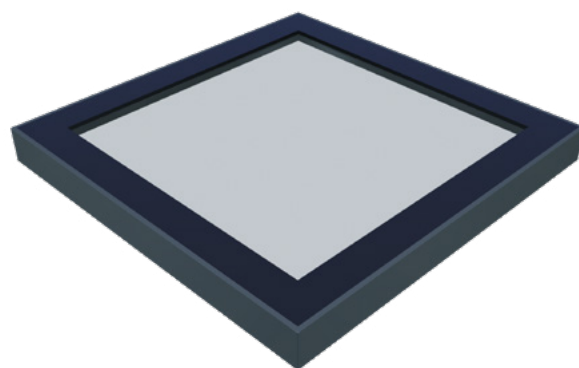
Rooflight frame is manufactured with fully thermally broken design and welded aluminium frame and cill detail. All visible aluminium is polyester powder coated.

Performance – Rooflight:

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

Performance – Upstand:

Refer to em.curb data sheet.

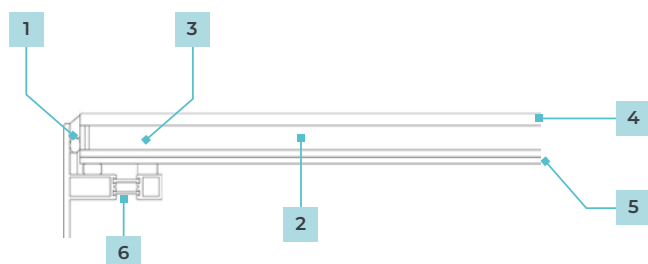


Features & Benefits

- Flush glazed glass-to-edge design
- Non-fragility CWCT Class 1 tested as standard
- Excellent thermal and sound insulation properties
- Factory pre-glazed for easy installation
- Ventilation options available
- Secure, welded glazing frame
- Compatible with builders and uPVC upstands and our Timber Sloping Kerb
- Thermally broken frame
- Aluminium frame powder coated to any RAL colour
- em.glaze EasyClean Coating available
- 18 sizes available from stock for delivery within 3-5 working days
- 3 new larger stocked sizes - 2.1m x 2.1m, 1.1m x 3.1m and 1.6m x 3.1m (delivery within 5-10 working days)
- Bespoke units available in 3-5 weeks

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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

Whitesales 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:

- **Ud-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

Premium comfort controls:

- Retractive switch and transformer supplied as standard.
- Option of WCC comfort kit including a control panel & rain sensor.
- Bluetooth connectivity available for all WCC comfort kits via the Fresh Air Control app.
- Rain sensor can be upgraded to combined wind & rain sensor if required.
- Option of room thermostat to automatically control window using accumulated step feature.

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

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Cleaning & Maintenance

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

Glazing: em.glaze 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 Whitesales for recommendations.

uPVC Curb: em.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.

Note

We reserve the right to make technical changes. For more information on em.glaze and other Whitesales products, visit whitesales.co.uk.

Downloads

For installation instructions, CAD drawings, 3D BIM objects, please visit whitesales.co.uk.



FLAT CLASS ROOFLIGHT - NON - OPENING

Key	Outer Pane	Cavity	Inner Pane
	6mm T clear	16mm	44.2 pvb clear
	6mm T clear	16mm	55.4 pvb clear
	8mm T clear	16mm	55.4 pvb clear
	10mm T clear	16mm	55.4 pvb clear

Key	
***	Also Stock
HSL	Optional Extra Cost: Option for inner 115mm pane to be Heat Strengthened Laminate

Size	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	
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2900																			
3000																			
3100																			
3200																			

Class Performance

Key	Outer Pane	Cavity	Inner Pane	Total DCU Thickness	Light Transmission (LT)	Solar g Value	Shading Coefficient	Centre Pane Ug Value	Direct Airborne Sound Insulation	Class Weight
	6mm T clear	16mm	44.2 pvb clear	30.8mm	80%	0.62	0.71	1.1 W/m ² K	37 Rw	36kg/m ²
	6mm T clear	16mm	44.2 pvb white mat	30.8mm	59%	0.59	0.68	1.1 W/m ² K	37 Rw	36kg/m ²
	6mm T solar 70/37	16mm	44.2 pvb clear	30.8mm	69%	0.37	0.43	1.0 W/m ² K	37 Rw	36kg/m ²
	6mm T clear	16mm	55.4 pvb clear	33.5mm	79%	0.62	0.71	1.1 W/m ² K	39 Rw	42kg/m ²
	6mm T clear	16mm	55.4 pvb white mat	33.5mm	59%	0.59	0.68	1.1 W/m ² K	39 Rw	42kg/m ²
	6mm T solar 70/37	16mm	55.4 pvb clear	33.5mm	68%	0.37	0.43	1.0 W/m ² K	39 Rw	42kg/m ²
	8mm T clear	14mm	55.4 pvb clear	33.5mm	78%	0.61	0.7	1.1 W/m ² K	41 Rw	47kg/m ²
	8mm T clear	14mm	55.4 pvb white mat	33.5mm	58%	0.58	0.67	1.1 W/m ² K	41 Rw	47kg/m ²
	8mm T solar 70/37	14mm	55.4 pvb clear	33.5mm	67%	0.37	0.43	1.0 W/m ² K	41 Rw	47kg/m ²
	10mm T clear	12mm	55.4 pvb clear	33.5mm	77%	0.6	0.69	1.2 W/m ² K	40 Rw	52kg/m ²
	10mm T clear	12mm	55.4 pvb white mat	33.5mm	58%	0.57	0.66	1.2 W/m ² K	40 Rw	52kg/m ²
	10mm T solar 70/37	12mm	55.4 pvb clear	33.5mm	67%	0.36	0.41	1.1 W/m ² K	40 Rw	52kg/m ²