em.glaze™
flat glass premium

Offering a clean, minimalistic finish both inside and out, em.glaze 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
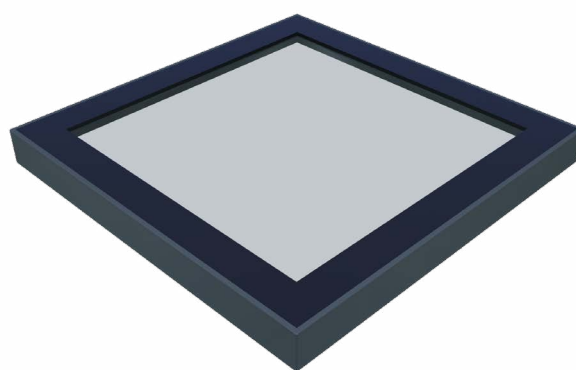
Frame:

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.

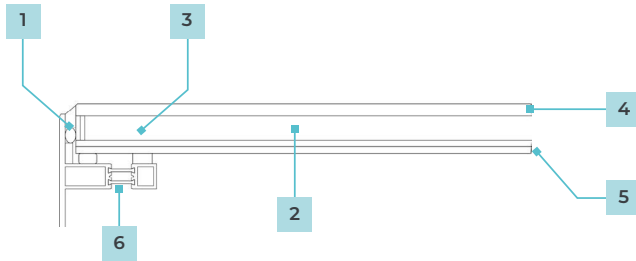**Performance – Upstand:**

Refer to em.curb data sheet.

Features & Benefits

- Flush glazed glass-to-edge design
- Non-fragility CWCT Class 1 tested as standard
- 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
- 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

em.glaze™
flat glass

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/m²K
	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

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: 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 of 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.

whitesales
experience.brighter

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 11.5mm 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
600			***															
700				***														
800					***													
900						***												
1000				***			***											
1100					***			***										
1200																		
1300				***			***			***								
1400																		
1500											HSL	*** / HSL						
1600								***		HSL	HSL	HSL	HSL					
1700										HSL	HSL	HSL	HSL	HSL				
1800									HSL	HSL	HSL	HSL	HSL	HSL	HSL			
1900									HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL		
2000								HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	
2100								*** / HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	*** / HSL
2200							HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	
2300							HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL		
2400						HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL			
2500				***		HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL			
2600					HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL				
2700				HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL					
2800				HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL					
2900				HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL					
3000			HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL					
3100			HSL	HSL	HSL	HSL	*** / HSL	HSL	HSL	HSL	HSL	HSL	*** / HSL					
3200			HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL	HSL					

Glass Performance

Key	Outer Pane	Cavity	Inner Pane	Total DGU Thickness	Light Transmission (LT)	Solar g Value	Shading Coefficent	Centre Pane Ug Value	Direct Airborne Sound Insulation	Glass Weight
	6mm T clear	16mm	44.2 pvb clear	30.8mm	80%	0.62	0.71	1.1 W/m²K	37 Rw	36kg/m²
	6mm T clear	16mm	44.2 pvb white mat	30.8mm	59%	0.59	0.68	1.1 W/m²K	37 Rw	36kg/m²
	6mm T solar 70/37	16mm	44.2 pvb clear	30.8mm	69%	0.37	0.43	1.0 W/m²K	37 Rw	36kg/m²
	6mm T clear	16mm	55.4 pvb clear	33.5mm	79%	0.62	0.71	1.1 W/m²K	39 Rw	42kg/m²
	6mm T clear	16mm	55.4 pvb white mat	33.5mm	59%	0.59	0.68	1.1 W/m²K	39 Rw	42kg/m²
	6mm T solar 70/37	16mm	55.4 pvb clear	33.5mm	68%	0.37	0.43	1.0 W/m²K	39 Rw	42kg/m²
	8mm T clear	14mm	55.4 pvb clear	33.5mm	78%	0.61	0.7	1.1 W/m²K	41 Rw	47kg/m²
	8mm T clear	14mm	55.4 pvb white mat	33.5mm	58%	0.58	0.67	1.1 W/m²K	41 Rw	47kg/m²
	8mm T solar 70/37	14mm	55.4 pvb clear	33.5mm	67%	0.37	0.43	1.0 W/m²K	41 Rw	47kg/m²
	10mm T clear	12mm	55.4 pvb clear	33.5mm	77%	0.6	0.69	1.2 W/m²K	40 Rw	52kg/m²
	10mm T clear	12mm	55.4 pvb white mat	33.5mm	58%	0.57	0.66	1.2 W/m²K	40 Rw	52kg/m²
	10mm T solar 70/37	12mm	55.4 pvb clear	33.5mm	67%	0.36	0.41	1.1 W/m²K	40 Rw	52kg/m²