

# Guaranteed Quality

## Technical Data Sheets

Full technical details and specification information can be found on each product datasheet. Datasheets and other performance documents are available on our website.



## Quality Assured

Our products are easy to install, rigorously tested by independent experts, compliant with all current building regulations and legislation, and tried and trusted by professionals.

A stringent approach to quality assurance ensures that every product we manufacture is of the highest standard. Our design ethos is to strive for an elegant product whilst maintaining maximum thermal efficiency and high-performance glass technologies.

## Product Warranty

Our rooflights and flat roof windows have an expected life of at least 25 years. All of our products are guaranteed for 10 years.

**Glazing:** 10 years  
**Mechanical components:** 1 year  
**Powder coating:** 10 years  
**Silicone Sealants:** 2 years

**Note:** Warranty validity is dependent on correct installation and ongoing care as detailed in product Operation & Maintenance (O&M) Manual (documents can be found on our website).

## Testing & Certification

Our products are rigorously tested during design and development and are compliant with all current building regulations and legislation. A typical testing regime for a rooflight or flat roof window is similar to that for a vertical window or door and includes air permeability, water tightness and wind resistance. Additional testing covers safety and impact resistance, which should be in accordance with the Centre for Window and Cladding Technology (CWCT) test TN67. This includes impact tests to assess the effect of both hard and soft bodies on the glazing.

CWCT TN92 provides a set of 'deemed to satisfy' criteria, which is an alternative measurement, and can be applied to glass units specifically. Solar gain and sound insulation properties are also important measures to consider when selecting an appropriate product.

Detailed technical datasheets and declarations of performance can be found on our website.

# Flat roof window range

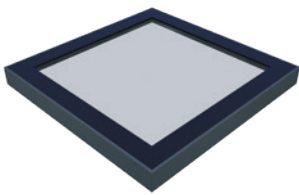
	 em.glaze™ flat glass	 ray.lux™	 em.dome™	 em.glaze™ bespoke
Specification	Flat glass: stocked and special order	Flat glass: stocked sizes only	Polycarbonate dome: stocked and special order	Truly bespoke: custom glass specs, linked units, walk-on etc.
Stocked sizes	18 standard sizes	14 in Anthracite Grey and White	40+ sizes	N/A
Delivery times	1-5 days for stocked sizes Specials 5-8 weeks	Next-day for most stocked sizes	Next-day for most stocked sizes; Specials 1-4 weeks	Custom units manufactured in 3-5 weeks
Glazing spec.	Toughened outer with laminated inner	Toughened outer with laminated inner	Certified non-fragile polycarbonate	Glass specification to meet any project requirement
Glazing options	Double-glazed, as standard; triple available for special order	Double-glazed only	Single, double, triple and quad skins (some sizes/skins special order only)	Double and triple glazed, walk-on, Heat Strengthened Laminate and more
Glazing finishes	Solar control tint and EasyClean available on special orders	N/A	Clear or diffused	Solar control, EasyClean and tinted glass available
Curb options	uPVC curb or builder's upstand	uPVC curb or builder's upstand	uPVC curb or builder's upstand	Builder's upstand
Colours	RAL 7016 Anthracite Grey or powder coated to any RAL colour	RAL 7016 Anthracite Grey and RAL 9010 White	N/A	External and internal frames can be powder coated to any RAL colour
Testing	CWCT Class 1 as standard *	CWCT Class 1 as standard *	CE certified to EN1873	CWCT Class 1 as standard *
Operation	Fixed, vented, manual and electric opening	Fixed, manual and electric opening	Fixed, vented, manual and electric opening	Fixed, vented, manual and electric opening
Accessories	Winding rod, standard and premium comfort kit	Winding rod, standard and premium comfort kit	Winding rod, security grid, powered extract fan, standard and premium comfort kit	Winding rod, standard and premium comfort kit

\* Refers to standard spec/size – refer to technical datasheet for full details

# Product Options: Overview

Stocked: ✓ – Most popular, standard option   ✓\* – Optional   X – Not available   S – Special order

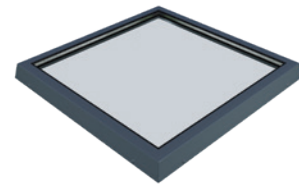
Glazing	em.glaze flat glass	ray.lux	em.dome	em.glaze ridgelight	em.tube
Glazing Types					
Single glazed	X	X	S	X	✓
Double glazed	✓	✓	✓	✓	✓* Flat roof only
Triple glazed	S	X	✓	S	✓* Flat roof only
Quad glazed	X	X	S	X	X
Glazing Finish					
Clear	✓	✓	✓	✓	✓
Diffused	S	X	✓	X	X
Heat Reflect	X	X	S	✓	X
Easy Clean Coating	S	S	X	✓	X
Glazing Shape					
Square	✓	✓	✓	✓	✓
Rectangle	✓	✓	✓	✓	X
Circle	S	X	✓	X	X
Glazing Profile					
Flat	✓	✓	X	X	✓ Pitched roof only
Dome	X	X	✓	X	✓ Flat roof only
Pyramid/Trapezoidal	X	X	S Limited sizes	✓	X



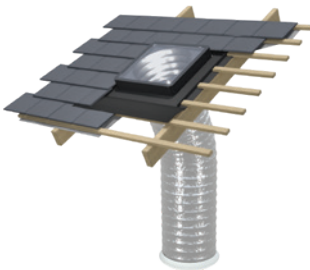
em.glaze™  
flat glass



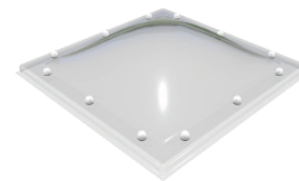
em.glaze™  
ridgelight



ray.lux™



em.tube™



em.dome™

Stocked: ✓ – Most popular, standard option   ✓\* – Optional   X – Not available   S – Special order

Upstands	em.glaze flat glass	ray.lux	em.dome	em.glaze ridgelight	em.tube
Upstands					
Builder's Curb	✓	✓	✓	✓	✓ Flat roof option
Proprietary PVC Options					
150mm splayed	✓*	X	✓	X	✓ Flat roof option
150mm vertical	✓	✓	✓*	✓ Limited sizes	X
300mm splayed	✓*	X	✓*	X	X
350mm splayed oversleeve	✓*	X	✓*	X	X

Ventilation	em.glaze flat glass	ray.lux	em.dome	em.glaze ridgelight	em.tube
Ventilation					
Permanent ventilation	X	X	✓*	X	X
Trickle ventilation (only with PVC upstand)	✓	X	✓	✓	X
Manual hinged opening	✓ Limited sizes	✓ Limited sizes	✓	X	X
Electric hinged opening	✓	✓	✓	X	X

Accessories	em.glaze flat glass	ray.lux	em.dome	em.glaze ridgelight	em.tube
Ventilation					
Winding rods (for manual hinged opening)	✓	✓	✓	✓*	X
Security grid	S	X	S	X	X
Powered extract fan (only with uPVC curb)	✓*	X	✓*	X	X
Premium comfort kit (for electric hinged opening)	✓	✓	✓	X	X
Standard comfort kit (for electric hinged opening)	✓	✓	✓	X	X