

Flat Glass

NBS156

Brett Martin Flat Glass
NBS Specification

Consult Brett Martin Daylight Systems early in the design process as we can provide in-depth assistance with design and specification.

Brett Martin Flat Glass is a premium flat glass rooflight intended for installation on flat roofs of all modern building types to provide natural light (and ventilation where specified).

The double-glazed glass panel is encased in a powder coated aluminium frame, providing a sleek product from every angle. Classified non-fragile to CWCT TN67 for class 1 roofs (for sizes up to 1200x1200 or 2000x1000) and CWCT TN-67 for class 2 roofs (for all sizes above 1200x1200 or 2000x1000) and Class B to ACR[M]001 for all sizes, it provides a safe rooflight choice. The glazing achieves a centre pane U-Value of 1.1 W/m²K, well out-performing the minimum levels currently set out in building regulations.



- Flush glass premium rooflight.
- Tested to be non-fragile to CWCT TN-67 (for class 1 roofs)* and Class B non-fragile to ACR[M]001.
- Glass panel is P4A secure.
- Available as fixed units or supplied with manual or mains powered opening.
- All Fixed rooflights are Secured by Design accredited as standard
- Components of powered opening rooflights (230V) are completely concealed for an unobstructed light well.
- Extensive options to satisfy requirements for ventilation.
- For ease of installation when supplied with PVC kerb, the tapered kerb foot does not require timber fillets and an integral clamp holds the roofing membrane or felt in place.

**Sizes over 1200x1200 or 2000x1000 tested to CWCT TN67 for Class 2 roofs*

Consult Brett Martin Daylight Systems technical literature for further details.

Full NBS Specification clause on Page 2 and 3



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Email: daylight@brettmartin.com **Web:** www.brettmartin.com

Product ref: Brett Martin Flat Glass rooflight

Type: Sleek, contemporary aesthetics inside and out:

Double-Glazed flat glass (6mm toughened outer –90% Argon filled cavity – laminated inner including 1.5mm PVB interlayer). NB – the inner pane thickness varies with size. All units include a soft coat Low E coating

Ventilation options:

None / Trickle Vent (8400mm²per rooflight) / Automatic Humidity Trickle Vent (7822mm²per rooflight)

Opening options:

Fixed (Secured by Design) / Manual Linear Drive (MLD) / Powered Chain Drive (PCD)

Size: external Rooflight size in mm equals roof opening size when supplied with kerb or overall

dimension of builders upstand if not supplied with BMDS kerb (some sizes not available with kerbs or opening units. Consult Brett Martin Daylight Systems for details):

600x600 / 600x750 / 600x900 / 600x1050 / 600x1200 / 600x1350 / 600x1500 / 600x1650 / 600x1800 / 750x750 / 750x900 / 750x1050 / 750x1200 / 750x1350 / 750x1500 / 750x1650 / 750x1800 / 750x1950 / 900x900 / 900x1050 / 900x1200 / 900x1350 / 900x1500 / 900x1650 / 900x1800 / 900x1950 / 900x2100 / 1000x1000 / 1050x1050 / 1050x1200 / 1050x1350 / 1050x1500 / 1050x1650 / 1050x1800 / 1050x1950 / 1050x2100 / 1050x2250 / 1050x2400 / 1050x2550 / 1050x2700 / 1050x2850 / 1050x3000 / 1050x3150 / 1200x1200 / 1200x1350 / 1200x1500 / 1200x1650 / 1200x1800 / 1200x1950 / 1200x2100 / 1200x2250 / 1200x2400 / 1200x2550 / 1200x2700 / 1200x2850 / 1200x3000 / 1200x3150 / 1200x3300 / 1200x3450 / 1350x1350 / 1350x1500 / 1350x1650 / 1350x1800 / 1350x1950 / 1350x2100 / 1350x2250 / 1350x2400 / 1350x2550 / 1350x2700 / 1350x2850 / 1350x3000 / 1350x3150 / 1350x3300 / 1350x3450 / 1500x1500 / 1500x1650 / 1500x1800 / 1500x1950 / 1500x2100 / 1500x2250 / 1500x2400 / 1500x2550 / 1500x2700 / 1500x2850 / 1500x3000 / 1500x3150 / 1500x3300 / 1500x3450 / 1500x3600 / 1650x1650 / 1650x1800 / 1650x1950 / 1650x2100 / 1650x2250 / 1650x2400 / 1650x2550 / 1650x2700 / 1650x2850 / 1650x3000 / 1650x3150 / 1650x3300 / 1650x3450 / 1650x3600 / 1800x1800 / 1800x1950 / 1950x1950. Non-standard sizes also available (...mm x...mm roof opening).

Frame: Aluminium Powder Coated to RAL 7016
Thermally isolated rooflight assembly minimises the risk of condensation.

Kerb: Rigid Multiwall PVC kerb, designed to fit directly to roof structural element (by others), incorporating integrated roof covering clamp for ease of installation:
Direct Fix (DF) kerb (PVC kerb applied to existing builders upstand for ventilated or opening options) / Standard kerb (maximum roof covering termination height of 150mm) / Tall kerb (maximum roof covering termination height of 300mm) / Rooflight only option for fitting direct to existing Builders Upstand.



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- Glazing Details:** Double-Glazed flat glass (6mm toughened outer –(90%) Argon filled spacer – 7.5mm / 9.5mm / 11.5mm laminated inner (depending on size)
Light transmission: 77% - 78% / Light Reflection: 15%
Internal Fire rating: Class A by CWFT (classified without further test) to EN 13501 part 1 (See European Commission Decision 96/603/EC.)
External Fire rating: B_{ROOF}(t4) classification to European Standard EN13501 Part 5 (See Approved Document B1 paragraph 14.8 and Approved Document B2 paragraph 12.8.)
- Other Requirements:** 10 year commercial products warranty available.
Acoustic Pack available for increased noise insulation.
Security Grille available for increased security.
- Fixing:** In accordance with Brett Martin Daylight Systems' fixing recommendations.
Fixings included to attach kerb to timber deck, or frame to builders upstand, depending on option selected.