

**Sterlingbuild Ltd**

Tel: 01304 219922

To be read with Preliminaries / General Conditions.

**PRELIMINARY INFORMATION / REQUIREMENTS**

Site dimensions must be taken and agreed to prior to the commencement of fabrication of the Rooflight Frames. All information should be read in conjunction with the approved drawings, specs and quotation.

**COMPONENTS****ALUMINIUM ROOFLIGHTS:**

- A self-supported system, for applications in commercial or residential buildings.
- The system is installed to a builder's kerb, finished by roofing membrane. Recommended minimum pitch is 5° to help shed water but can be installed flat. The maximum recommended pitch is 35°, max pitch without a head flashing 20°.
- Double or triple glazed with hermetically sealed glass, finished by a 78mm sand blasted perimeter border as standard but any size is available upon request. Painted border on toughened glass units only.
- Frames are manufactured from extruded aluminium section to EN 12020-1:2001.
- UPVC Thermal Barrier to glazing frame.

**PRODUCT**

- Type: Circular Fixed Flatglass
- A Technical Data Sheet of this product is available from [www.sterlingbuild.co.uk](http://www.sterlingbuild.co.uk)

Frame: Extruded aluminium section to BS1474, EN 12020-1:2001.

Kerb: Recommended 150mm high, minimum 75mm wide excluding finishes but designed by others.

**- Manufacturer:**

STERLINGBUILD LTD  
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CT19 5SU  
Tel: 01304 219922  
Web: [www.sterlingbuild.co.uk](http://www.sterlingbuild.co.uk)  
E-mail: [enquiries@sterlingbuild.co.uk](mailto:enquiries@sterlingbuild.co.uk)

Dirt Resistant coatings - Pilkington Activ Self Cleaning – requires 15° kerb pitch or greater  
Below 15° pitch Ritec Clearshield Easyclean coating

Solar Control Options - SGG COOL-LITE SKN solar control range or similar approved  
Body Tint Anti-sun - Pilkington Optifloat range or similar approved

**- Thermal Performance:**

Double glazed total product U value = 1.4 W/m<sup>2</sup>.K

Triple glazed total product U value = 1.2 W/m<sup>2</sup>.K

**- Service:**

Sterlingbuild can also provide a design and specification service and it is recommended that they are consulted early in the design process.

Sterlingbuild would always recommend that a Flatglass unit should be installed to a minimum pitch of 5° up to 2.0m span and 10° over 2.0m in one panel. This is to help facilitate water run-off thus reducing water ponding and to help alleviate the build-up of silt deposits.

## Circular Fixed Flatglass Single Pane Rooflight

### Type 1

- Manufacturer: Sterlingbuild Ltd
  - Web: [www.sterlingbuild.co.uk](http://www.sterlingbuild.co.uk)
  - Tel: +44 (0)1304 219922
  - Product reference: Circular Fixed Flatglass
- Type: **Circular**
  - Size: **As drawing:**
- Frame finish: **Polyester powder coated RAL: Colour T.B.C.**
- Glazing:
  - Outer pane: **4mm 6mm 8mm toughened clear glass with sandblasted border**
  - Cavity: **20mm 16mm 14mm argon filled, silicone bonded + warm edge spacer**
  - Inner pane: **4mm 6mm 8mm heat soak tested toughened or 6.8mm 8.8mm laminated clear glass**
- Soft coat low E coating: **Required**
- Additional requirements / options: Detailed site survey required prior to manufacture.  
 Min. 150mm high x 75mm thick structurally sound kerb not by Sterlingbuild.  
 Flashing of kerb, not by Sterlingbuild.  
 Rooflight to comprise 1 No. pane of glass.  
**High performance solar control options; seek advice.**  
**Obscure glazing available, sandblast all over, coloured PVB interlayer or satin glass.**  
**Body tint glass grey, blue or green.**  
**Ritec Clearshield Easyclean coating.**  
**Active self-cleaning glass if rooflight is installed at a greater pitch than 15°.**  
**Spans up to 1800mm, 2200mm, 2800mm or 3200mm. Triple glazed.**  
**0 - 1800 span = 2 No. back to back central glazing angles 31.75 x 50.8**  
**1800 - 2200 span = 2 No. back to back central glazing angles 38.1 x 63.5**  
**2200 - 2800 span = 2 No. back to back central glazing angles 38.1 x 76.2**  
**2800 - 3200 span = 2 No. back to back angles 50.8 x 101.6 + steel reinforcement.**  
**3200 - 6000 span = Min. 10° Schuco system with transom design; seek advice.**  
**Acoustic laminated glass.**

### More about Circular Fixed Flatglass:

- A self-supported rooflight for applications in commercial and residential buildings.
- Building Regulations (E&W) Approved Document L compliant design to achieve low U-value targets.
- Silicone jointed glazing for a flush outer surface.
- Ventilation option for natural ventilation in accordance with Building Regulation (E&W) Approved Document F available.
- Automatic Opening Vents (AOV) for natural ventilation can also be accommodated.
- Designed to be installed to a weathered builder's kerb, minimum 5° pitch.
- Non-fragile to ACR[M]:001 Class B and with laminated glass CWCT TN67 class 2.
- Double or triple glazed units can be contained within a single frame to cater for a wide range of sizes.
- Elliptical shaped rooflights are also available.
- Designed to standard loadings of 640 N/m<sup>2</sup> (wind) and 750 N/m<sup>2</sup> (snow) and in accordance with the following British Standards:
  - BS 6375-1: Weather tightness.
  - BS EN 1026: Air permeability.
  - BS EN 1027: Water tightness test.
  - BS EN 12211: Wind resistance test.
- Aluminium frame weight = 2.22 kg/m