

**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 with roofing membrane for external applications. Recommended minimum pitch is 5° to shed water but the unit can be installed flat. Maximum pitch 25°, max pitch without head flashing is 20°.
- Double glazed with hermetically sealed glass, finished with a 78mm black perimeter border as standard but any size or RAL colour is available upon request. Sandblast border on units with a laminated inner.
- Frames are manufactured from extruded aluminium section to EN 12020-1:2001.
- UPVC Thermal Barrier to glazing frame.

## PRODUCT

- Type: Walk On 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  
Unit 14, Barnfield Road  
Folkestone, Kent  
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.  
Only use dirt Resistant coatings if unit is required to have walk on spec for safety reasons and not to be actually walked on. There will be no slip-resistance with these coatings.

Body Tint Anti-sun - Pilkington Optifloat range or similar approved to inner skin only.

## - Thermal Performance:

Double glazed total product U value = 1.4W/m<sup>2</sup>.kTriple glazed total product U value = 1.2W/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 if unit is not to be walked on. This is to help facilitate water run-off thus reducing water ponding and to help alleviate the build-up of silt deposits. If the unit is to be walked on then the pitch should be minimal.

### Fixed Flatglass Walk On Rooflight

#### Type 1

- Manufacturer: Sterlingbuild Ltd
  - Web: [www.sterlingbuild.co.uk](http://www.sterlingbuild.co.uk)
  - Tel: +44 (0)1304 219922
  - Product reference: Fixed Flatglass Walk On
- Type: **Rectangular Square Circular Bespoke**
  - Size: **As drawing:**
- Frame finish: **Polyester powder coated RAL: Colour T.B.C.**
- Glazing:
  - Outer pane: **25.5mm 31.5mm 33mm 39mm 48mm toughened & laminated clear glass with Painted border**
  - Cavity: **18mm argon filled, silicone bonded + warm edge spacer**
  - Inner pane(s): **6mm heat soak tested toughened 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. section.  
Residential spec glazing for up to 1.5kN/m<sup>2</sup> distributed & 2.0kN concentrated loads.  
Commercial spec glazing for up to 4.0kN/m<sup>2</sup> distributed & 3.6kN concentrated loads.  
Heavy commercial glazing for up to 5.0kN/m<sup>2</sup> distributed & 4.5kN concentrated loads.  
Surface etching to provide slip resistance to BS7976-2, Av. wet up to 61.  
Obscure glazing available, sandblast all over or coloured PVB interlayer.  
Internal option single glazed laminated 25.5mm 33mm 48mm. Wall abutment.  
Raised ceramic frit to top face of glass unit to provide slip-resistance.**

#### More about Walk On Flatglass:

- A self-supported rooflight for applications in commercial and residential buildings.
- Silicone jointed glazing for a flush outer surface.
- Designed to be installed to a weathered builder's kerb minimum 5° pitch to shed water or flat if walked on.
- Non-fragile to ACR[M]:001 Class B and with laminated glass CWCT TN67 class 2.
- Circular or irregular 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.
  - BS EN 1991-1-1:2002 Floor Loadings via computer software
- Aluminium frame weight = 3.45kg/m