

Solaglaze Product Datasheet

Product Overview

Naturalight's Solaglaze range is available in UPVC and aluminium and is designed to be aesthetically pleasing whilst offering an effective way of letting in natural light.

This system is generally installed to a builder's upstand and once in place, it's easily installed using the supplied colour co-ordinated angle brackets, which can be hidden behind the plasterboard. On larger bespoke size's Naturalight offer an installation service, in this instance the framework is fixed directly to the upstand.

uPVC Glass Rooflights

- A self-supported system, for applications in commercial or residential buildings.
- The system is installed to a builder's kerb, finished by a roofing membrane. Kerb to have a minimum pitch of 5°, to assist the shed of water.
- Double glazed with hermetically sealed glass.
- Frames are manufactured from extruded uPVC in options of white and anthracite grey
- EPDM gasket seals
- Full uPVC frame construction giving excellent thermal performance and prevention of cold bridging
- Solaglaze Rooflights can be supplied atop a uPVC kerb provided by Naturalight Systems Ltd, with a range of ventilation options available

Product:

Type: Fixed uPVC Solaglaze

Frame: Extruded uPVC

Builders Upstand: Recommended 150mm high, minimum 60mm wide excluding finishes but designed by others.

Type: Solaglaze uPVC

Frame: Extruded uPVC

Kerb: Range of uPVC Kerb options include:

- 81mm Security Adaptor
- 108mm Splayed Adaptor
- 168mm Splayed Kerb
- 175mm Vertical Kerb
- 290mm Splayed Kerb
- 300mm Splayed Kerb
- 300mm Vertical Kerb
- 400mm Splayed Kerb

Dirt Resistant coatings - Self Cleaning Coating – requires 10° kerb pitch or greater

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/m².K

Service:

Naturalight Systems Ltd Structural Glazing can also provide a design and specification service and it is recommended that they are consulted early in the design process.

Naturalight Systems Ltd would recommend that a Solagaze unit should be installed to a minimum pitch of 5° This is to help facilitate water run-off thus reducing water ponding and to help alleviate the build-up of silt deposits.

Solagaze Single Pane Rooflight

Standard Available Sizes:

To Suit Overall Upstand Sizes as Below

600 x 600
750 x 750
900 x 900
1000 x 1000
1200 x 1200
600 x 900
600 x 1200
900 x 1200

(For sizes outside of the above parameters a multi panel system is available, utilising an aluminium glazing bar to split the bays. Please contact our head office for these bespoke systems)

Frame finish: Self Finish White or Anthracite Grey uPVC

Glazing:

Outer pane: 4mm, 6mm, 8mm toughened clear glass with Optional sand blasted or Black border
Cavity: 16mm argon filled, silicone bonded with an aluminium spacer, warm edge spacer available on request
Inner pane: 6mm, 8mm, toughened clear glass (laminated glass is required for units above 5 metres)

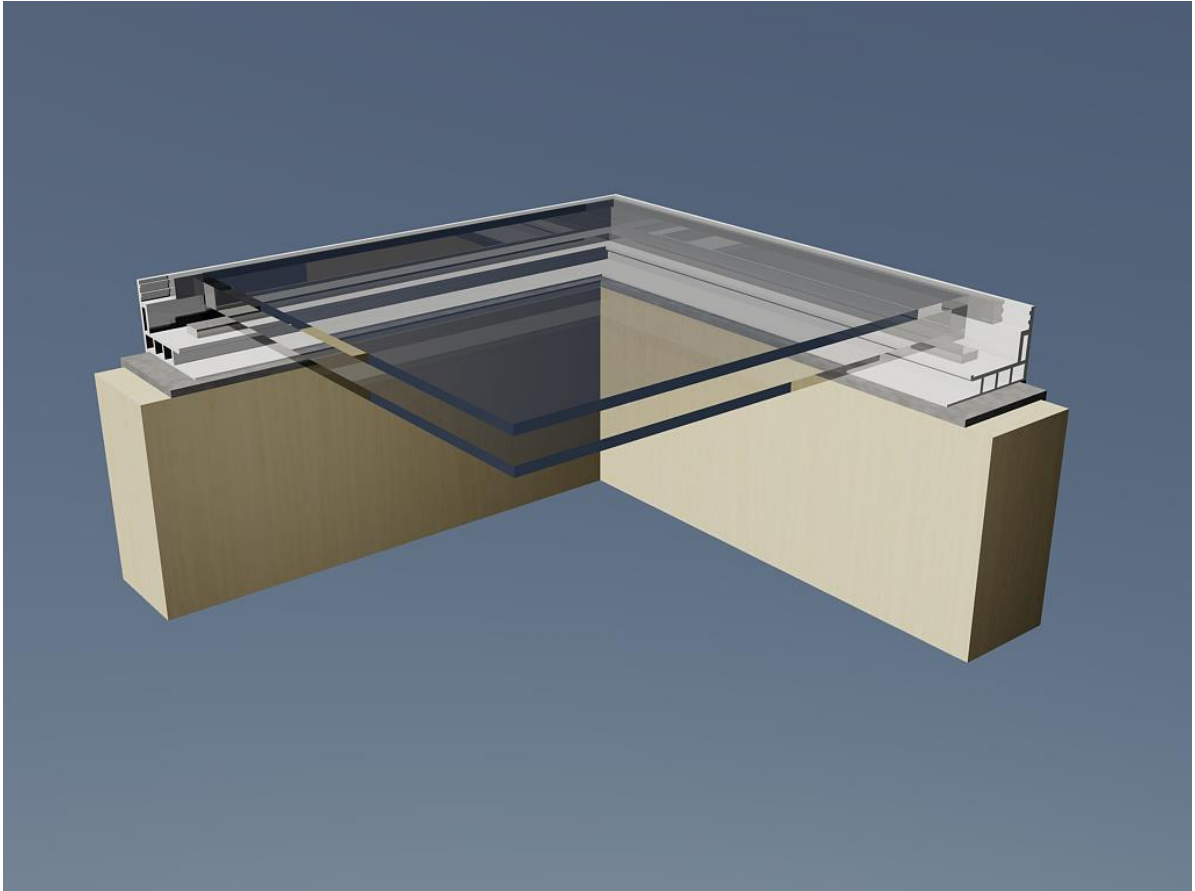
Additional requirements / options:

- Detailed site survey required prior to manufacture.
- Standard range rooflight to comprise 1No. 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 neutral, grey, blue, or green.
- Ritec Clearshield Easyclean coating.
- Active self-cleaning glass if rooflight is installed at a greater pitch than 10°.
- Wall abutment.

More about Solagaze Fixed Rooflight:

- 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.
- Excellent protection against thermal bridging due to full uPVC frame construction
- Silicone jointed glazing for a flush outer surface.
- Designed to be installed to a weathered builder's kerb or fabricated kerb construction, minimum 5° pitch.
- Double glazed units can be contained within a single frame, to cater for a wide range of sizes.
- Elliptical and irregular shaped rooflights are also available (Solagaze aluminium system)
- Designed to standard loadings of 640 N/m² (wind) and 750 N/m² (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.
- Frame weight = 2.5 kg/m per L/m

uPVC Solaglade Corner Render



uPVC Solaglade X Section Render

