

solarglaze

Glass Rooflights

Fixed • Electric • Walk On
Eco • Sliding

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solarglaze

Glass Rooflights

Solarglaze Rooflights – Clearly the most advanced glass rooflight on the market.

Solarglaze glass rooflights offer the ultimate in style, security and safety combined with the highest quality and best value on the market. The latest design and manufacturing technologies ensure that your choice of a Solarglaze product will always be very highly energy efficient and aesthetically pleasing.

All Solarglaze rooflights come as a complete package with an insulated kerb contributing to class leading overall unit U values of $1.24 \text{ W/m}^2\text{K}$ as standard or as low as $0.87 \text{ W/m}^2\text{K}$ when using the Eco range, offering a genuine low carbon contribution to any building. The construction of a Solarglaze rooflight allows the maximum amount of natural light into a room improving the environment below, using a sealed 32mm Argon-filled double glazed glass unit as standard or a 32mm Krypton-filled triple glazed glass unit when using the Eco range.

Natural daylight has long been recognised as the most effective form of light, and Solarglaze rooflights are the most efficient means of providing daylight giving three times more daylight than an equally sized vertical window.

To us the finished product is just the end result of understanding customer needs and we pride ourselves on dedication to service. Offering fast competitive lead times on standard units we aim to find a solution to suit your needs.



Key Features

- Low Profile • 1.24 W/m²K U Value • 32mm sealed double glazed unit
- Air tightness Class 4 [600pa] • Noise reduction of 34 dB
- Can be installed on a flat roof at 4° up to a slope of 15°



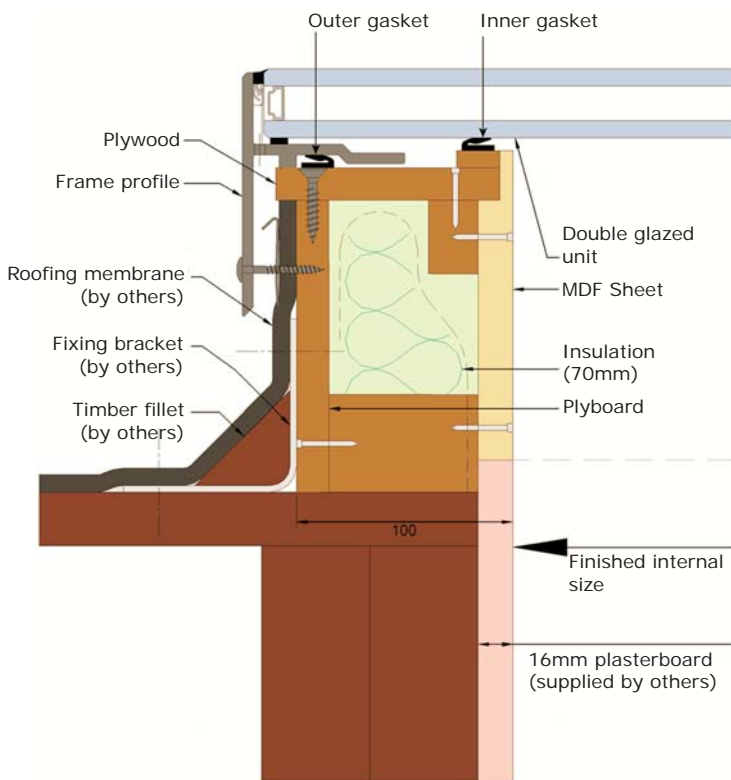
The Solarglaze Fixed Range of Glass Rooflights including Insulated Upstands

Solarglaze fixed double glazed glass rooflights offer a flat glass construction which allows the largest possible amount of light to be brought into a room. With its sleek appearance and excellent thermal qualities it combines good aesthetics with impressive technical ability.

Solarglaze fixed rooflights are made of polyester powder-coated aluminium with an insulated timber kerb and a fully sealed 32mm double glazed unit comprising an 8mm clear toughened outer pane, 16mm Argon-filled cavity and an 8.4/8.8mm clear laminated Low-E inner pane which achieves a noise reduction of 34 dB. A 150mm high kerb is supplied as standard, with a 300mm high kerb available on request.



Standard Kerb Detail



Solarglaze Fixed Rooflight Benefits

Factory Glazed Frame

- Thermally broken to eliminate cold bridging and to help prevent condensation.
- Polyester powder-coated externally to RAL 7043 (Traffic Grey B).

Standard Glass Specification

- Low-E insulated pane with a thickness of 32mm.
- 8mm clear toughened outer pane, 16mm Argon-filled cavity and an 8.4/8.8mm laminated Low-E inner pane.
- Centre pane U value for the double glazed unit is 1.1 W/m²K and an overall unit U value of 1.24 W/m²K including insulated kerb.
- 115mm silk screen printing along the edge for UV protecting the sealing.

Other Glass Options

- Solar Control glass - has a high light transmittance and reduces solar heat gain.
- Other glass options available. Please contact The National Domelight Company with your requirements for more details.

Frame Finish

- The rooflight will be delivered as standard with a powder-lacquered sash profile in RAL 7043 (Traffic Grey B), gloss 70%.

Insulated Upstand

- 150mm (supplied as standard, 300mm also available) high Rockwool-insulated timber kerb with inner and outer gasket pre-attached to aid air tightness.
- Painted white on visible internal surfaces.
- Plywood on the outer surface ready for under and top roofing felt.

Noise and Thermal Performance

- Excellent noise reduction of 34 dB.
- Thermal performance of a centre pane U value of 1.1 W/m²K and an overall unit U value of 1.24 W/m²K including insulated kerb.

Fixings

- Security fixings supplied as standard.

Installation

- Each unit is supplied with an illustrated installation manual.

Air tightness

- Class 4 (600pa).

Sizes Available

Finished Internal Size	600	800	1000	1200	1500	2000
600						
800						
1000						
1200						
Standard						
Non-Standard						



Key Features

- Low Profile • 1.24 W/m²K U Value • 32mm sealed double glazed unit
- Air tightness Class 4 [600pa] • Noise reduction of 34 dB
- Can be installed on a flat roof at 4° up to a slope of 15°



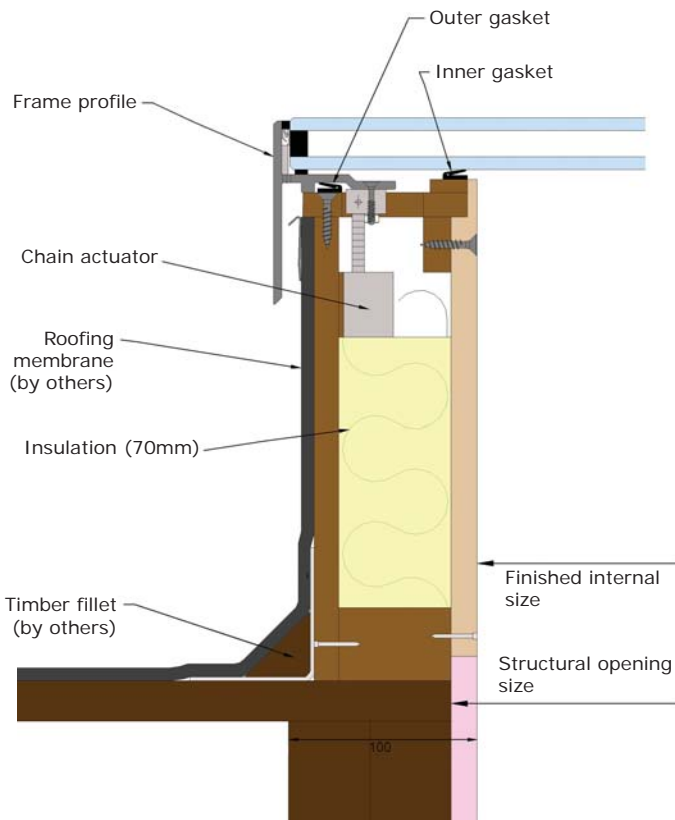
The Solarglaze Electric Hinged Range of Glass Rooflights including Insulated Upstands

Solarglaze electric hinged double glazed glass rooflights offer a flat glass construction with a concealed chain operator built into the supplied upstand. The unit comes complete with a control unit and wall-mounted switch as standard and has various accessories available including a rain sensor and rain/wind sensor.

Solarglaze electric hinged rooflights are made of polyester powder-coated aluminium with an insulated timber kerb and a fully sealed 32mm double glazed unit comprising an 8mm clear toughened outer pane, 16mm Argon-filled cavity and an 8.4/8.8mm clear laminated Low-E inner pane which achieves a noise reduction of 34 dB. A 150mm high kerb is supplied as standard, with a 300mm high kerb available on request.



Standard Kerb Detail



Sizes Available

Finished Internal Size	600	800	1000	1200	1500	2000
600						
800						
1000						
1200						
Standard						
Non-Standard						

Solarglaze Electric Hinged Rooflight Benefits

Factory Glazed Frame

- Thermally broken to eliminate cold bridging and to help prevent condensation.
- Polyester powder-coated externally to RAL 7043 (Traffic Grey B).

Standard Glass Specification

- Low-E insulated pane with a thickness of 32mm.
- 8mm clear toughened outer pane, 16mm Argon-filled cavity and an 8.4/8.8mm laminated Low-E inner pane.
- Centre pane U value for the double glazed unit is 1.1 W/m²K and an overall unit U value of 1.24 W/m²K including insulated kerb.
- 115mm silk screen printing along the edge for UV protecting the sealing.

Other Glass Options

- Solar Control glass - has a high light transmittance and reduces solar heat gain.
- Other glass options available. Please contact The National Domelight Company with your requirements for more details.

Electric Motor

- 24v DC chain actuator(s) concealed within the supplied kerb.
- Complete with a transformer and wall-mounted switch.

Frame Finish

- The rooflight will be delivered as standard with a powder-lacquered sash profile in RAL 7043 (Traffic Grey B), gloss 70%.

Insulated Upstand

- 150mm (supplied as standard, 300mm also available) high Rockwool-insulated timber kerb with inner and outer gasket pre-attached to aid air tightness.
- Painted white on visible internal surfaces.
- Plywood on the outer surface ready for under and top roofing felt.

Noise and Thermal Performance

- Excellent noise reduction of 34 dB.
- Thermal performance of a centre pane U value of 1.1 W/m²K and an overall unit U value of 1.24 W/m²K including insulated kerb.

Fixings

- Security fixings supplied as standard.

Installation

- Each unit is supplied with an illustrated installation manual.

Air tightness

- Class 4 (600pa).

Optional Accessories

- Rain sensor.
- Rain/Wind sensor.



Key Features

- Low Profile • Exceeds 1.24 W/m²K U Value
- 49.84mm sealed double glazed unit • Air tightness Class 4 [600pa]
- Noise reduction exceeds 34 dB

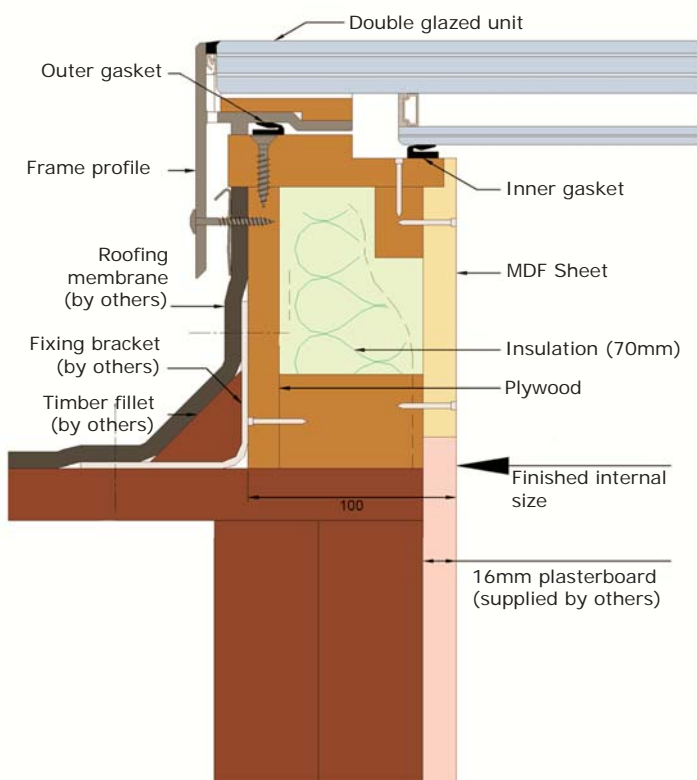
The Solarglaze Walk On Range of Glass Rooflights including Insulated Upstands

Solarglaze walk on fixed double glazed glass rooflights have been designed specifically for roof terraces and areas requiring regular pedestrian use. The flat glass construction allows the largest possible amount of light to be brought into a room whilst offering all the benefits of walk on specification glass. With its sleek appearance and excellent thermal qualities it combines good aesthetics with impressive technical ability.

Solarglaze walk on rooflights are made of polyester powder-coated aluminium with an insulated timber kerb and a fully sealed 49.84mm double glazed unit comprising an 25.04mm clear toughened and heat-strengthened outer pane, 16mm Argon-filled cavity and an 8.8mm clear laminated Low-E inner pane which achieves a noise reduction exceeding 34 dB.



Standard Kerb Detail



Sizes Available

- Available with a finished internal size of 1000 x 1000mm only.

Solarglaze Walk On Rooflight Benefits

Factory Glazed Frame

- Thermally broken to eliminate cold bridging and to help prevent condensation.
- Polyester powder-coated externally to RAL 7043 (Traffic Grey B).

Glass Specification

- Low-E insulated pane with a total thickness of 49.84mm.
- 25.04mm clear toughened and heat strengthened outer pane consisting of a 6mm clear toughened heat strengthened float, 1.52mm laminate interlayer, 8mm clear heat strengthened float, 1.52mm laminate interlayer, 8mm clear heat strengthened float, and a 16mm Argon-filled cavity and a 8.8mm clear laminated Low-E inner pane.
- Centre pane U value for the double glazed unit exceeds 1.1 W/m²K and an overall unit U value exceeds 1.24 W/m²K.
- 115mm silk screen printing along the perimeter for UV protecting the sealing.

Frame Finish

- The rooflight will be delivered as standard with a powder-lacquered sash profile in RAL 7043 (Traffic Grey B), gloss 70%.

Insulated Upstand

- 150mm (supplied as standard, 300mm also available) high Rockwool-insulated timber kerb with inner and outer gasket pre-attached to aid air tightness.
- Painted white on visible internal surfaces.
- Plywood on the outer surface ready for under and top roofing felt.

Noise and Thermal Performance

- Excellent noise reduction exceeds 34 dB.
- Thermal performance of a centre pane U value exceeds 1.1 W/m²K and an overall unit U value exceeds 1.24 W/m²K including insulated kerb.

Installation

- Each unit is supplied with an illustrated installation manual.

Fixings

- Security fixings supplied as standard.

Air tightness

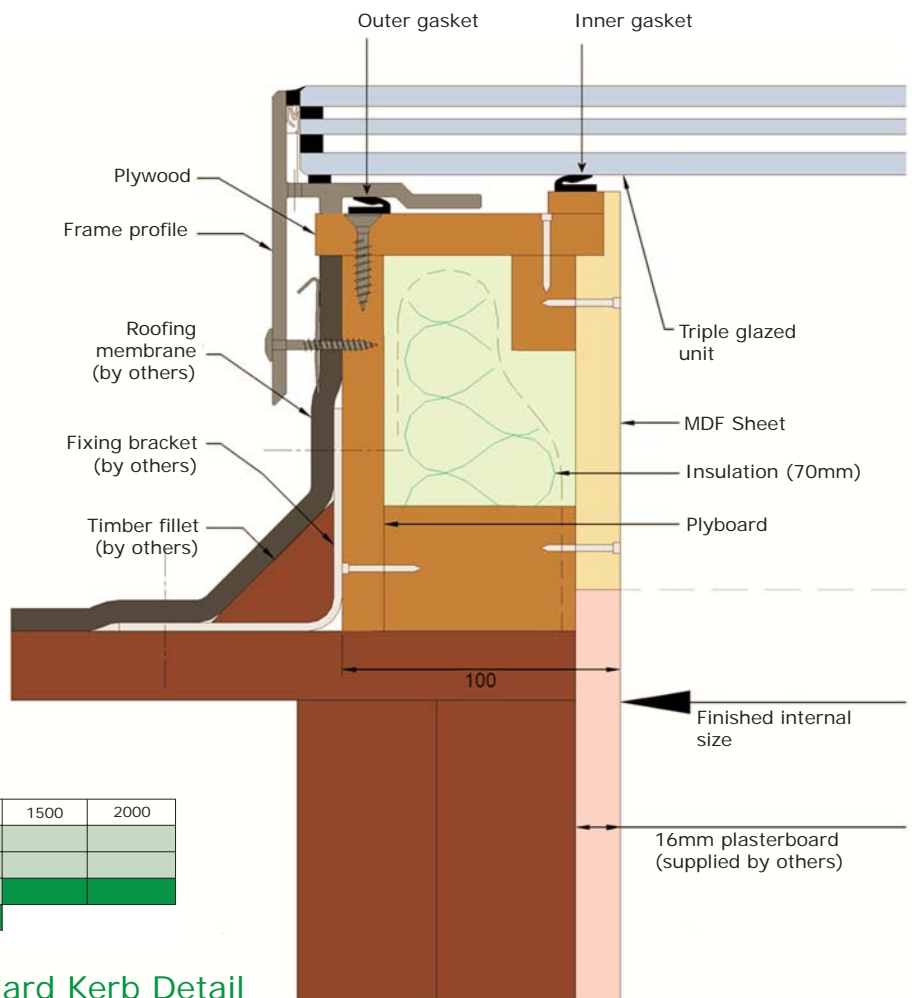
- Class 4 (600pa).

The Future of Rooflights – Today



The Solarglaze Eco Rooflight has been specifically designed with a class-leading overall U value of 0.87 W/m²K offering the architect and homeowner alike the ultimate in style and performance. Built using the highest quality materials in mind throughout the design and manufacturing stages, makes the Solarglaze Eco rooflight a clear choice for those who want a rooflight that will not just meet, but exceed your expectations and requirements. The Solarglaze Eco Rooflight IS the future of rooflights - today.

- Thermally broken factory glazed frame.
- Polyester powder-coated externally to RAL 6005 Moss Green.
- Centre pane U value is 0.7 W/m²K and an overall unit U value including the insulated kerb of 0.87 W/m²K.
- Excellent noise reduction of 34 dB.



Sizes Available

Finished Internal Size	600	800	1000	1200	1500	2000
600						
800						
1000						
1200						
Standard						
Non-Standard						

Standard Kerb Detail

Key Features

- Low Profile • 0.87 W/m²K U Value • 32.8mm sealed triple glazed unit
- Air tightness Class 4 [600pa] • Noise reduction of 34 dB
- Can be installed on a flat roof at 4° up to a slope of 15°

Solarglaze Eco Rooflight Benefits

Factory Glazed Frame

- Thermally broken to eliminate cold bridging and to help prevent condensation.
- Polyester powder-coated externally to RAL 6005 Moss Green.

Standard Glass Specification

- Triple glazed Low-E insulated pane with a thickness of 32.8mm.
- 6mm clear toughened outer pane, 6mm Krypton-filled cavity, 4mm clear toughened middle pane, 8mm Krypton-filled cavity and an 8.8mm laminated Low-E inner pane.
- 115mm silk screen printing along the edge for UV protecting the sealing.

Noise and Thermal Performance

- Excellent noise reduction of 34 dB.
- Centre pane U value for the triple glazed unit is 0.7 W/m²K and an overall unit U value including the insulated kerb of 0.87 W/m²K.

Frame Finish

- The rooflight will be delivered as standard with a powder-lacquered sash profile in RAL 6005 Moss Green.

Insulated Upstand

- 150mm (supplied as standard, 300mm also available) high Rockwool-insulated timber kerb with inner and outer gasket pre-attached to aid air tightness.
- Painted white on visible internal surfaces.
- Plywood on the outer surface ready for under and top roofing felt.

Fixings

- Security fixings supplied as standard.

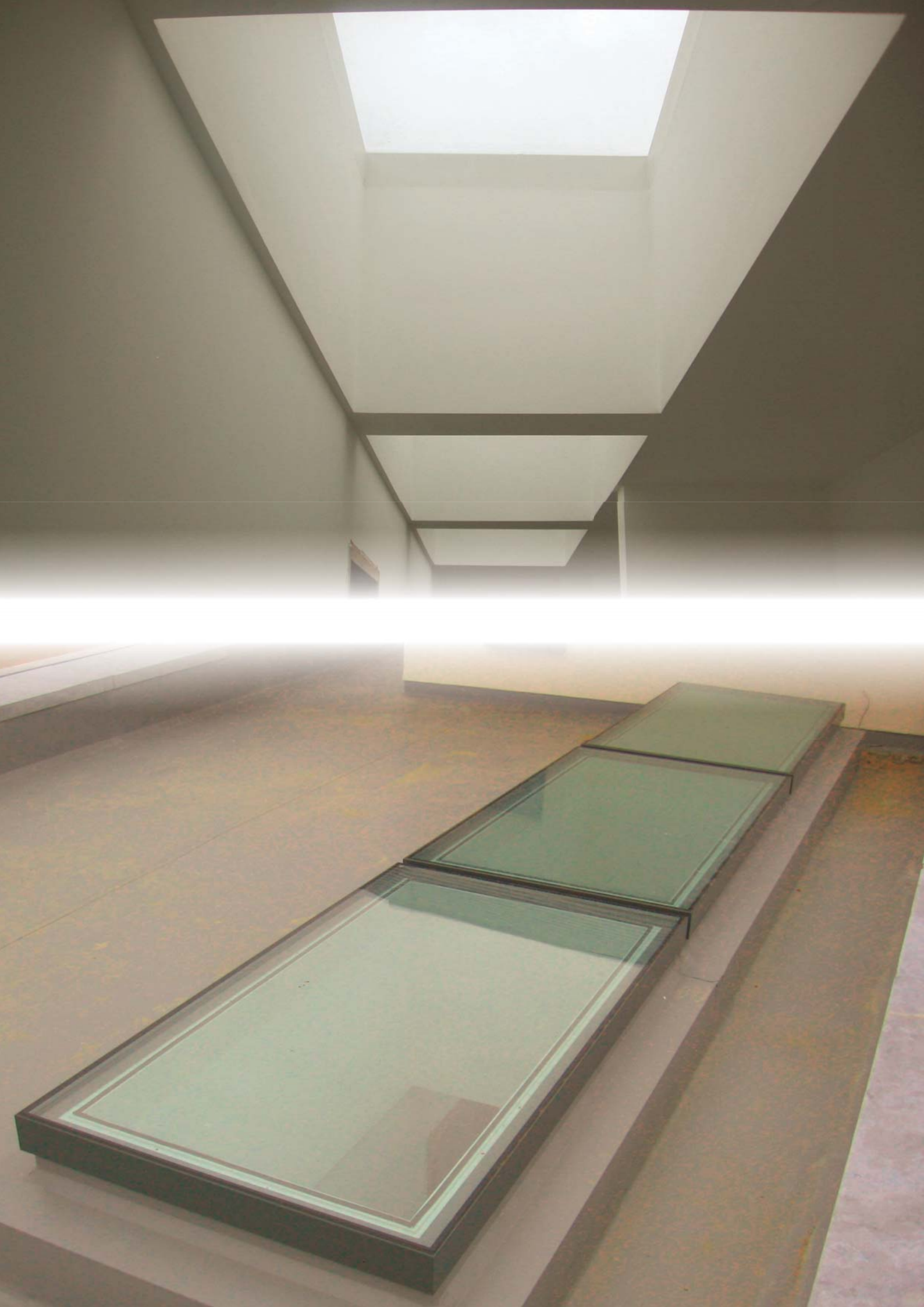
Installation

- Each unit is supplied with an illustrated installation manual.

Air tightness

- Class 4 (600pa).

Solarglaze Eco	(Standard)
Drawing Reference	Solarglaze Eco
Manufacturer	National Domelight Company, Pyramid House, 52 Guildford Road, Lightwater, Surrey GU18 5SD Tel: 01276 451555 Fax: 01276 451533 Website: www.nationaldomes.com E-mail: info@nationaldomes.com
Type	Solarglaze Eco
Glazing Details	32.8mm Low-E sealed triple glazed pane comprising a 6mm clear toughened outer pane, 6mm Krypton-filled cavity, 4mm clear toughened middle pane, 8mm Krypton-filled cavity and a 8.8mm clear laminated inner pane. 115mm wide silk screen printing along the perimeter for UV protection of the pane sealing.
Frame / Sash	Extruded aluminium alloy 6060. Thickness 5mm.
Finish	Polyester powder coated.
Colour	External aluminium sash - RAL 6005 Moss Green. Kerb - Painted white on visible surfaces.
Kerb	Supplied. 100mm wide constructed of 15mm thick plywood outer, 70mm thick Rockwool-insulated cavity, 0.2mm thick moisture membrane, 16mm thick MDF E1 quality inner. Pine internal structure supports 45x69mm, 17x34mm, 23x34mm, 8x23mm. 150mm high as standard (300mm optional).



Key Features

- Low Profile • Centre Pane U Value of 1.1 W/m²K
- 32mm sealed double glazed unit
- Can be installed on a flat roof at 4° up to a slope of 15°

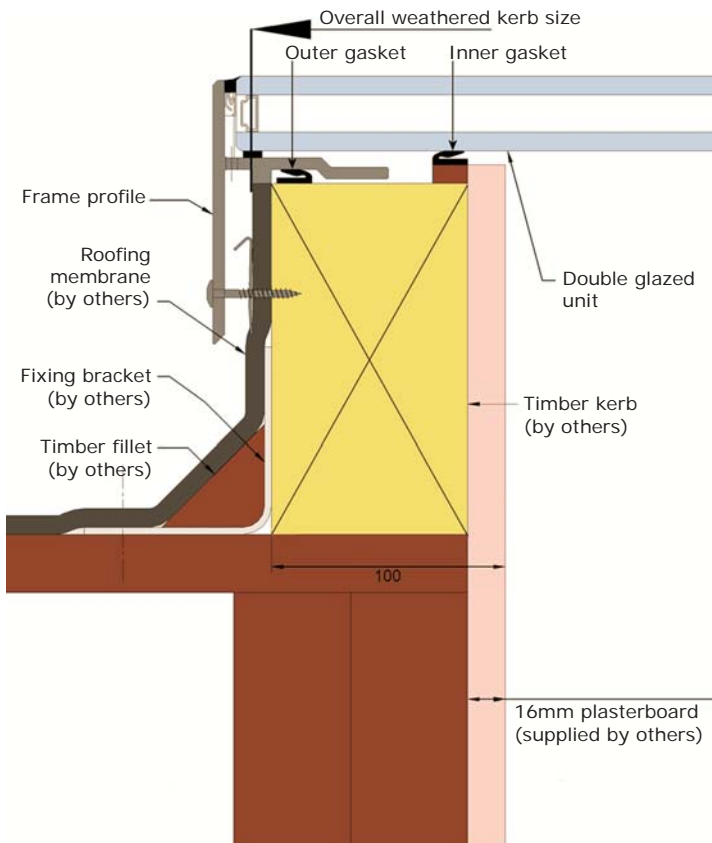
The Solarglaze Fixed Range of Glass Rooflights to suit New & Existing Builders Upstands

Solarglaze fixed rooflights to suit a builders timber kerb offer a flat glass construction which allows the largest possible amount of light to be brought into a room. Supplied with a polyester powder-coated aluminium frame to suit your existing or new timber kerbs. This option is popular with contractors who wish to construct their own kerb, enabling the rest of the roof to be weathered before the rooflight is delivered.

The glazing is a fully sealed 32mm double glazed unit comprising an 8mm clear toughened outer pane, 16mm Argon-filled cavity and an 8.4/8.8mm clear laminated Low-E inner pane.



Standard Kerb Detail



Solarglaze Fixed Rooflight Benefits

Factory Glazed Frame

- Thermally broken to eliminate cold bridging and to help prevent condensation.
- Polyester powder-coated externally to RAL 7043 (Traffic Grey B).

Standard Glass Specification

- Low-E insulated pane with a thickness of 32mm.
- 8mm clear toughened outer pane, 16mm Argon-filled cavity and an 8.4/8.8mm laminated Low-E inner pane.
- Centre pane U value for the double glazed unit is 1.1 W/m²K.
- 115mm silk screen printing along the edge for UV protecting the sealing.

Other Glass Options

- Solar Control glass - has a high light transmittance and reduces solar heat gain.
- Other glass options available. Please contact The National Domelight Company with your requirements for more details.

Frame Finish

- The rooflight will be delivered as standard with a powder-lacquered sash profile in RAL 7043 (Traffic Grey B), gloss 70%.

Insulated Upstand (NOT supplied)

- An upstand is not provided as the glazed panel is designed to sit over an existing or new builders timber upstand.
- The necessary gaskets are supplied as separate items to be fitted on site by the builder, including the timber fillet required to bring the inner gasket in contact with the glass to aid air tightness.
- If an upstand is required, please see the fixed rooflight on page 5.

Fixings

- Security fixings supplied as standard.

Installation

- Each unit is supplied with an illustrated installation manual.

Sizes Available

Finished Internal Size	600	800	1000	1200	1500	2000
600						
800						
1000						
1200						
Standard						
Non-Standard						

The Solarglaze Electric Sliding Range of Glass Rooflights



The Solarglaze Electric Sliding Range of Glass Rooflights including Insulated Upstands

Solarglaze electric sliding double glazed glass rooflights offer a flat glass construction which allows a large amount of light and ventilation to be brought into a room. With its sleek appearance and excellent thermal qualities it combines good aesthetics with impressive technical ability.

Solarglaze electric sliding rooflights are made of polyester powder-coated aluminium with an insulated timber kerb and a fully sealed 32mm double glazed unit comprising an 8mm clear toughened outer pane, 16mm Argon-filled cavity and an 8.4/8.8mm clear laminated Low-E inner pane which achieves a noise reduction of 34 dB.



Solarglaze Sliding Rooflight Benefits

Factory Glazed Frame

- Thermally broken to eliminate cold bridging and to help prevent condensation.
- Polyester powder-coated externally to RAL 7043 (Traffic Grey B).

Standard Glass Specification

- Low-E insulated pane with a thickness of 32mm.
- 8mm clear toughened outer pane, 16mm Argon-filled cavity and an 8.4/8.8mm laminated Low-E inner pane.
- Centre pane U value for the double glazed unit is 1.1 W/m²K.
- 115mm silk screen printing along the edge for UV protecting the sealing.

Other Glass Options

- Solar Control glass - has a high light transmittance and reduces solar heat gain.
- Other glass options available. Please contact The National Domelight Company with your requirements for more details.

Frame Finish

- The rooflight will be delivered as standard with a powder-lacquered sash profile in RAL 7043 (Traffic Grey B), gloss 70%.

Insulated Upstand

- Rockwool-insulated timber kerb with inner and outer gasket pre-attached to aid air tightness.
- Painted white on visible internal surfaces.
- Plywood on the outer surface ready for under and top roofing felt.

Noise and Thermal Performance

- Excellent noise reduction of 34 dB.
- Thermal performance of a centre pane U value of 1.1 W/m²K.

Fixings

- Security fixings supplied as standard.

Installation

- Each unit is supplied with an illustrated installation manual.

Air tightness

- Class 4 (600pa).

Sizes Available

Finished Internal Size	600	800	1000	1200	1500	2000
600						
800						
1000						
1200						
Standard						
Non-Standard						

Solarglaze Sliding	(Standard)
Drawing Reference	Solarglaze Sliding
Manufacturer	National Domelight Company, Pyramid House, 52 Guildford Road, Lightwater, Surrey GU18 5SD Tel: 01276 451555 Fax: 01276 451533 Website: www.nationaldomes.com E-mail: info@nationaldomes.com
Type	Solarglaze Sliding – Electric
Glazing Details	32mm Low-E sealed double glazed pane comprising an 8mm toughened float, 16mm Argon-filled TGI spacer and an 8.4/8.8mm laminated Low-E inner pane. 115mm wide silk screen printing along the perimeter for UV protection of the pane sealing.
Frame / Sash	Extruded aluminium alloy 6060. Thickness 5mm.
Finish	Polyester powder coated.
Colour	External aluminium sash - RAL 7043 (Traffic Grey B), Gloss 70%. Kerb - Painted white on visible surfaces.
Kerb	Insulated kerb supplied.

Solarglaze NBS Product Specifications

Solarglaze Fixed	(Standard)
Drawing Reference	Solarglaze Fixed
Manufacturer	National Domelight Company, Pyramid House, 52 Guildford Road, Lightwater, Surrey GU18 5SD Tel: 01276 451555 Fax: 01276 451533 Website: www.nationaldomes.com E-mail: info@nationaldomes.com
Type	Solarglaze Fixed
Glazing Details	32mm Low-E sealed double glazed pane comprising an 8mm toughened float, 16mm Argon-filled TGI spacer and an 8.4/8.8mm laminated Low-E inner pane. 115mm wide silk screen printing along the perimeter for UV protection of the pane sealing.
Frame / Sash	Extruded aluminium alloy 6060. Thickness 5mm.
Finish	Polyester powder coated.
Colour	External aluminium sash - RAL 7043 (Traffic Grey B), Gloss 70%. Kerb - Painted white on visible surfaces.
Kerb	Supplied. 100mm wide constructed of 15mm thick plywood outer, 70mm thick Rockwool-insulated cavity, 0.2mm thick moisture membrane, 16mm thick MDF E1 quality inner. Pine internal structure supports 45x69mm, 17x34mm, 23x34mm, 8x23mm. 150mm high as standard (300mm optional).

Solarglaze Electric Hinged	(Standard Electric Hinged)
Drawing Reference	Solarglaze Electric Hinged
Manufacturer	National Domelight Company, Pyramid House, 52 Guildford Road, Lightwater, Surrey GU18 5SD Tel: 01276 451555 Fax: 01276 451533 Website: www.nationaldomes.com E-mail: info@nationaldomes.com
Type	Solarglaze Electric Hinged
Glazing Details	32mm Low-E sealed double glazed pane comprising an 8mm toughened float, 16mm Argon-filled TGI spacer and an 8.4/8.8mm laminated Low-E inner pane. 115mm wide silk screen printing along the perimeter for UV protection of the pane sealing.
Frame / Sash	Extruded aluminium alloy 6060. Thickness 5mm.
Finish	Polyester powder coated.
Colour	External aluminium sash - RAL 7043 (Traffic Grey B), Gloss 70%. Kerb - Painted white on visible surfaces.
Kerb	Supplied. 100mm wide constructed of 15mm thick plywood outer, 70mm thick Rockwool-insulated cavity, 0.2mm thick moisture membrane, 16mm thick MDF E1 quality inner. Pine internal structure supports 45x69mm, 17x34mm, 23x34mm, 8x23mm. 150mm high as standard (300mm optional).
Electric Motor(s) and Accessories	24v DC chain actuator concealed within the supplied kerb. Complete with wall-mounted switch and control unit.

Solarglaze Walk On	(Standard Walk On)
Drawing Reference	Solarglaze Walk On
Manufacturer	National Domelight Company, Pyramid House, 52 Guildford Road, Lightwater, Surrey GU18 5SD Tel: 01276 451555 Fax: 01276 451533 Website: www.nationaldomes.com E-mail: info@nationaldomes.com
Type	Solarglaze Walk On
Glazing Details	49.84mm Low-E sealed double glazed unit comprising: Outer pane total thickness of 25.04mm (consisting of a 6mm clear toughened heat strengthened float, 1.52mm laminate interlayer, 8mm clear heat strengthened float, 1.52mm laminate interlayer, 8mm clear heat strengthened float). Internal void 16mm Argon-filled cavity with TGI "warm edge" spacer. Inner pane 8.76mm laminated (consisting of a 4mm clear float with Low-E coating, 0.76mm laminated interlayer and a 4mm clear float). 115mm wide silk screen printing along the perimeter for UV protection of the pane sealing.
Frame / Sash	Extruded aluminium alloy 6060. Thickness 5mm.
Finish	Polyester powder coated.
Colour	External aluminium sash - RAL 7043 (Traffic Grey B), Gloss 70%. Kerb - Painted white on visible surfaces.
Kerb	Supplied. 100mm wide constructed of 15mm thick plywood outer, 70mm thick Rockwool-insulated cavity, 0.2mm thick moisture membrane, 16mm thick MDF E1 quality inner. Pine internal structure supports 45x69mm, 17x34mm, 23x34mm, 8x23mm. 150mm high as standard (300mm optional).



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Images are for illustration purposes only. The National Domelight Company have a policy of continually upgrading their products and reserve the right to alter specifications accordingly.