

Skyseal®
Brighter Inside

Specification and Installation Guide

For Flat Glass Fixed Rooflights

Skyseal.co.uk

Skyseal®

Feel *brighter* inside

Features	03
Why Buy Skyseal® Rooflights?	04
Skyseal® Flat Glass Fixed Rooflights	05
Delivery and Installation	06
Flat Roof Installation Guide	07
Installation Guide *(Flat)*	08
Construction for Rooflight and Upstand *(Flat)*	09
Installation Guide *(Pitched)*	10
Construction for Rooflight and Upstand *(Pitched)*	12
Contact	Back Cover

Features

All our units are manufactured using a toughened easy clean coated outer pane, with a high class polished edge finish.

Suitable for flat and pitched roofs between 5 and 30 degrees

Manufactured to external dimensions *(external edges of waterproofed timber upstand)* for ease of measurement.

All Double-Glazed Fixed units feature a 10 year warranty from the date of invoice.

Premium Construction

British Made

British design and manufactured, hand crafted construction with a 10 year warranty.

All our units are manufactured on site with our manufacturing partner. Each unit is Argon gas filled with thermal super spacer technology, offering both excellent thermal insulation and light transmission.

Double-Glazed
U-value of 1.19 W/m²K

The Skyseal® Double-Glazed Flat Glass Fixed Rooflight unit has a 28mm profile constructed from:

- 6mm toughened safety glass with a black ceramic border.
- 16mm Argon cavity with black super spacer.
- 6mm toughened low e-soft coat inner.

See diagram on next page.

Sizes Available

Available in 10 sizes as standard.
Bespoke sizes available upon request.

Lengths (mm)	**Weight** (kg)
600 x 600	14.4
750 x 750	22.5
900 x 600	21.6
900 x 900	32.4
1000 x 1000	40
1200 x 600	28.8
1200 x 900	43.2
1200 x 1200	57.6
1500 x 1000	60
2000 x 1000	80

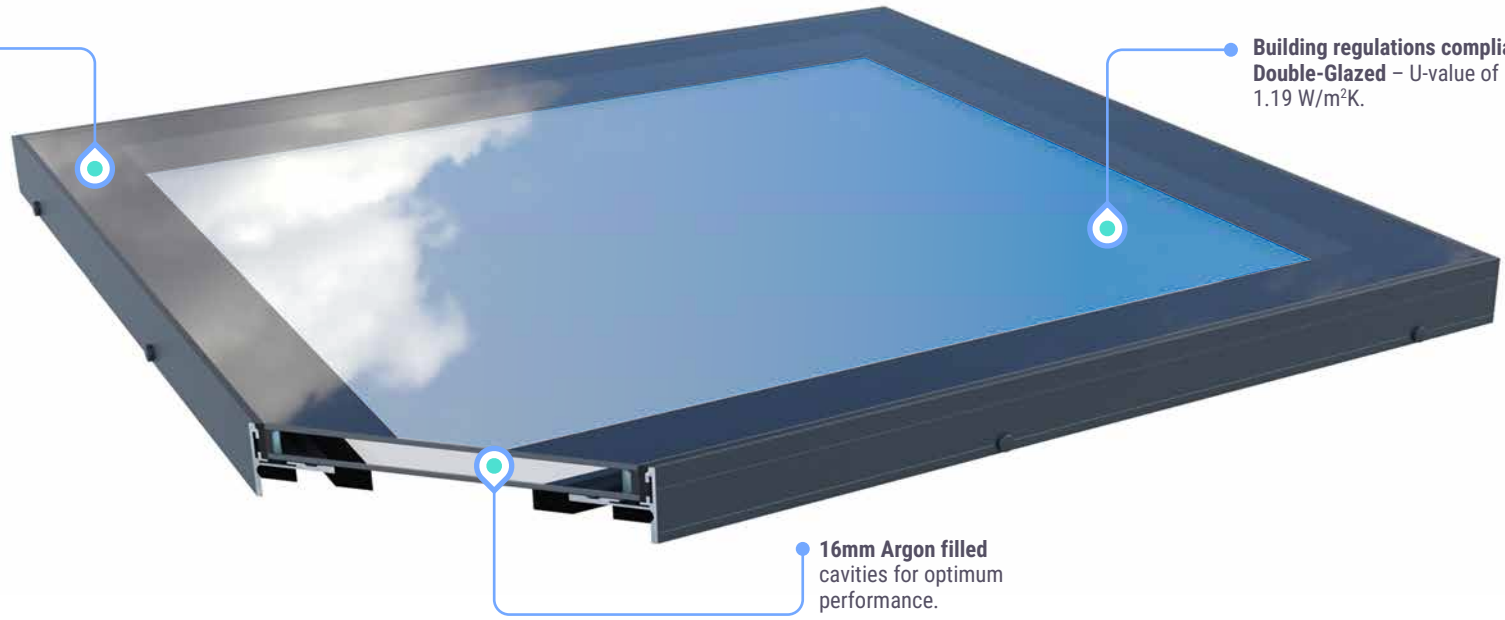
* To fit external upstand size.

** Full warranty information, visit www.skyseal.co.uk

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Why Buy Skyseal® Rooflights?

The Double-Glazed Flat Glass Fixed Rooflight



MADE IN BRITAIN

Flat roofs (5–30°)

10 YEAR **Warranty**

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Skyseal® Flat Glass Fixed Rooflights

The Double-Glazed Flat Glass Fixed Rooflight



1. Frame
2. Silicon
3. Hot melt
4. Warm edge spacer
5. Predrilled fixing point
6. Toughened outer panel (6mm)
7. Toughened low-E inner pane (6mm)
8. 90mm black UV blocking border
9. Glazing tape
10. Easy clean coating
11. Structural foam thermal break

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Delivery and Installation

UK Delivery

All deliveries can be made direct to site, anywhere in the UK. Using our own fleet vans, our team of experienced drivers will call you within 24 hours of placing the order and the driver will call the customer on the day of delivery when they are an hour away from site before they arrive.

For Cornwall, Devon, Scotland and some remote areas 3rd party couriers may be used.

Lead times as follows:

UK mainland: 3-5 working days

Scotland: 5-7 working days

Cornwall

Devon

Fast Installation

In addition to your new Skyseal® Flat Glass Rooflight you will need:

- Glass Suction lifting handles for larger units.
- Materials and tools to construct and prepare a timber kerb.
- Cordless drill/driver to fix frame to upstand using the screws provided.

Please take precautions when moving and lifting heavy objects and working at height. Make sure to use the correct equipment and ensure sufficient people are available to lift the roof light onto the roof and into position on the timber kerb.

Skyseal® Guide

Size (mm)	**Weight** (kg)
600 x 600	14.4
750 x 750	22.5
900 x 600	21.6
900 x 900	32.4
1000 x 1000	40
1200 x 600	28.8
1200 x 900	43.2
1200 x 1200	57.6
1500 x 1000	60
2000 x 1000	80

Please note: Weights stated can vary. Work to a tolerance of +/- 10%.

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Flat Roof Installation Guide

Building Regulations

All building materials used and construction work carried out should be completed in accordance with Building Regulations Part L.

Part L is a set of regulations that deals with the conservation of fuel and power in buildings. Part L sets out the thermal efficiency requirements for new and existing buildings.

If in any doubt, please consult your local build control for advice before starting any work.

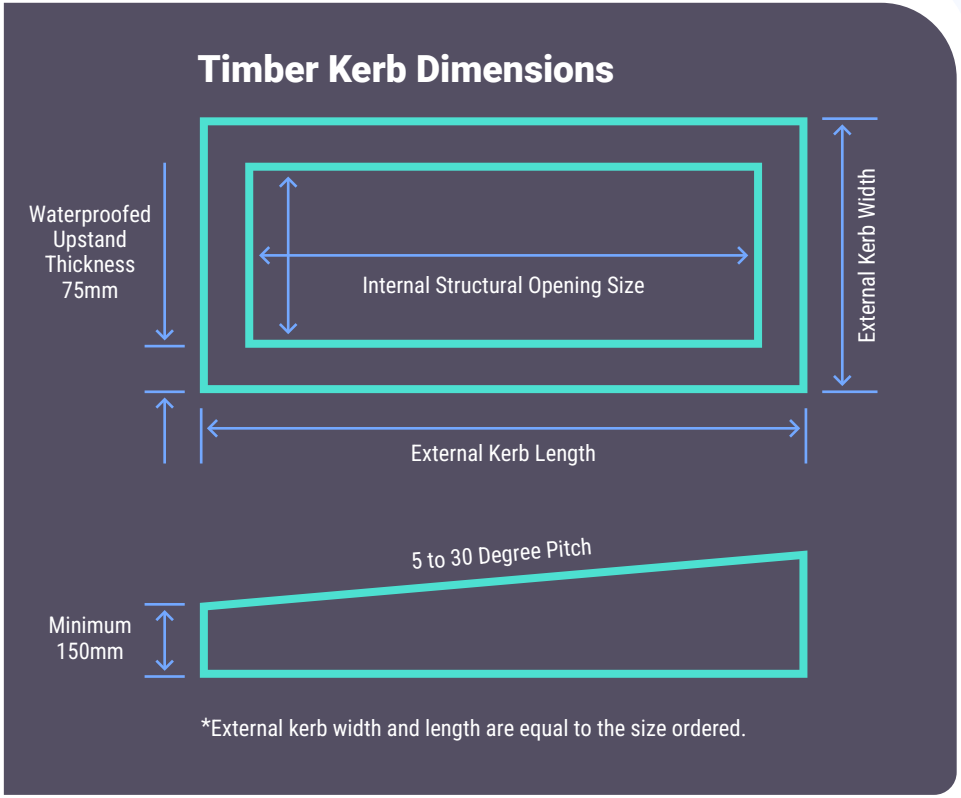
Step 1 – Constructing the Timber Kerb

An upstand built on site should have a maximum U-value of 0.35W/(m^2K). The lower the U-value the better the thermal performance is.

Construct a 75mm specifically (no specified tolerance) wide waterproofed timber kerb for your roof light. This should be a minimum of 150mm in height at the lowest point from the finished roof level.

The external dimensions of the timber upstand should match the size of the rooflight. E.g. a 600mm x 600mm rooflight will require a timber kerb with external dimensions of exactly 600mm x 600mm.

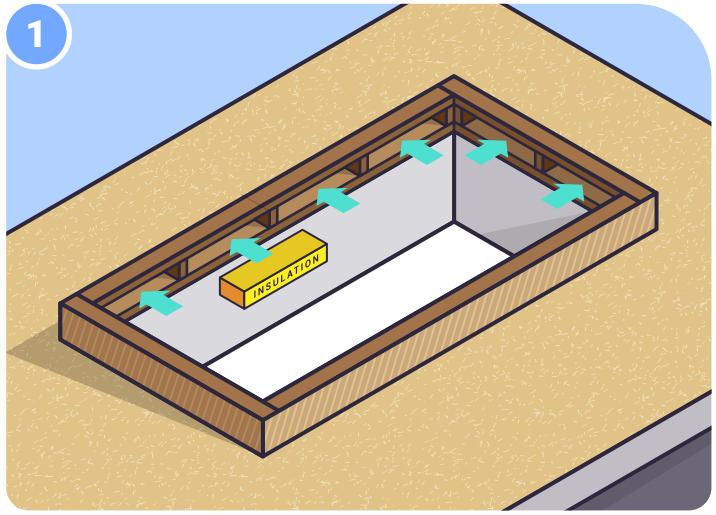
Your roof light needs to be a minimum of 5 degrees to allow water run-off. If your roof does not have this pitch, build the angle into your timber kerb. We recommend that you run the fall across the width or 'shorter side' of the roof light when building an angled kerb, as the fall will be less noticeable, which will improve the internal and external aesthetics.

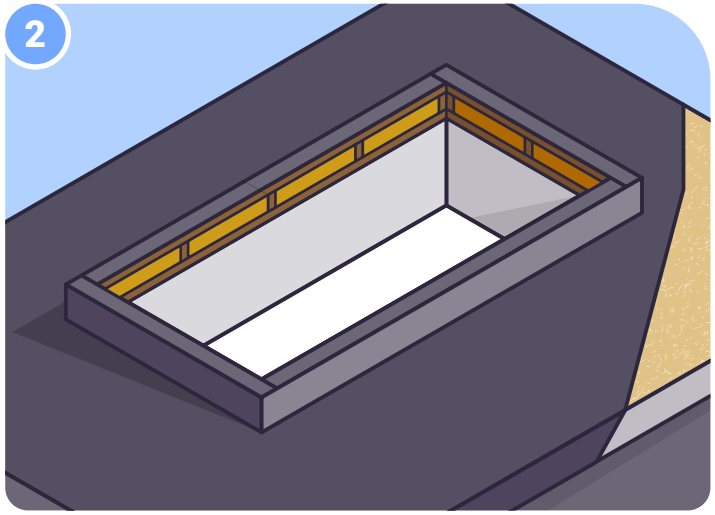


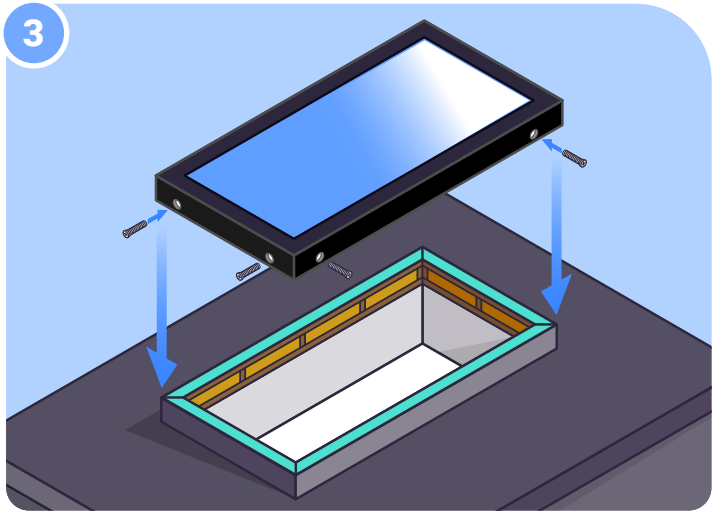
Example of a 5 degree minimum pitch: This equates to a grade of 1:11.5. E.g. a roof light with 1000mm width will require a fall of 87mm.

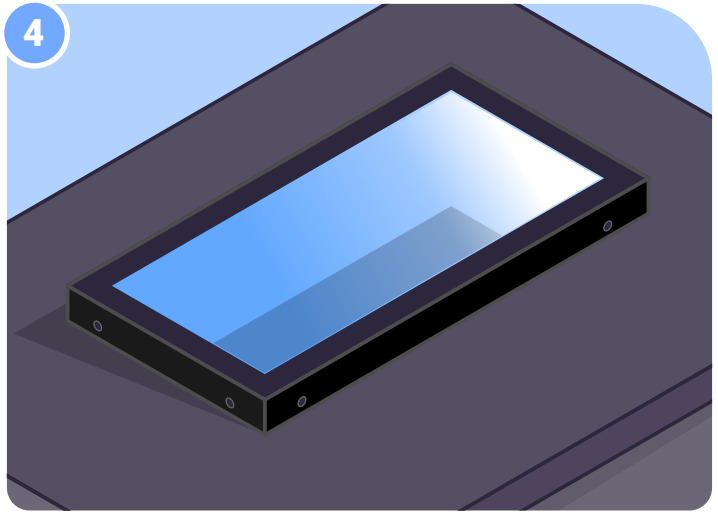
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Installation Guide (Flat)









Step 1 | Construct your insulated timber upstand as described in the previous section.

Step 2 | Install your chosen waterproof covering making sure you waterproof both the vertical upstand and horizontal areas, across the top surface of the upstand as per the manufacturer's guidelines.

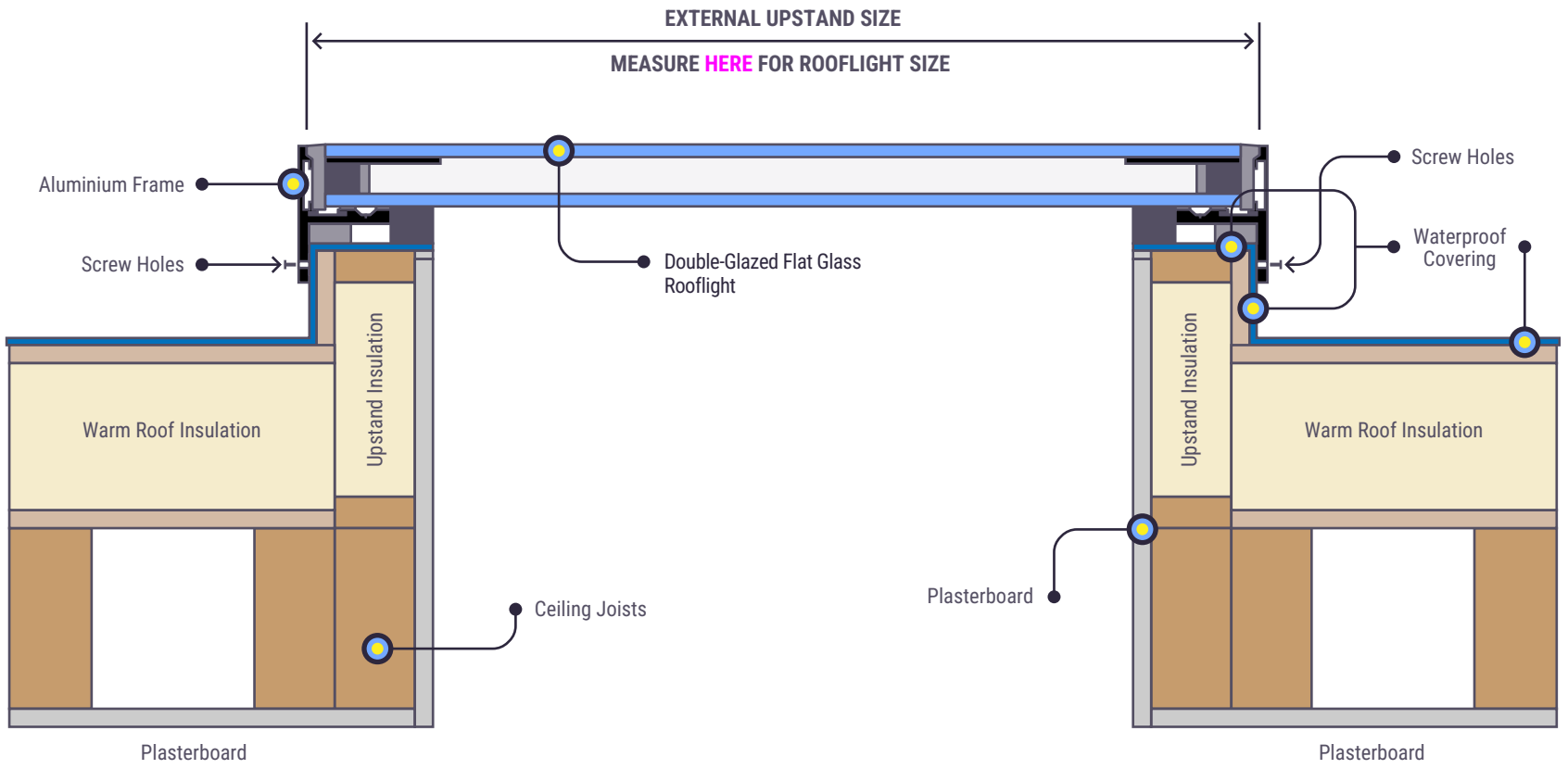
Step 3 | Framed unit is lowered over the top of the upstand ensuring a snug fit over the top of the external timber frame.

Step 4 | Screw aluminium frame into timber frame at pre-drilled fixing points using supplied screws and washers.

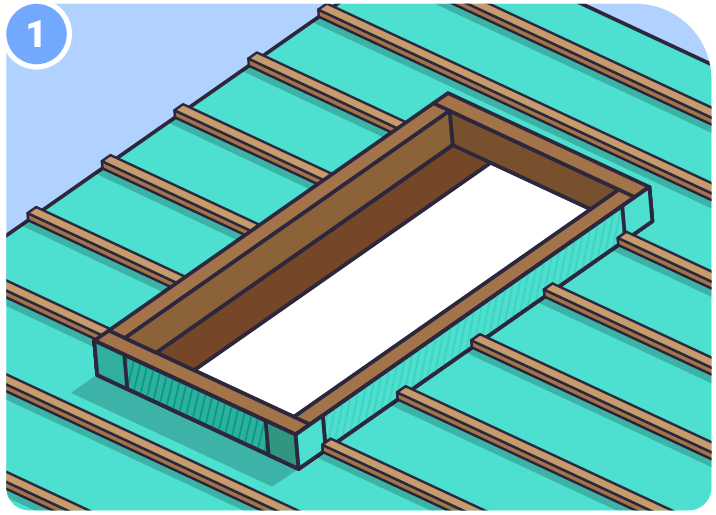
Fit security cap onto washer to hide screw head.

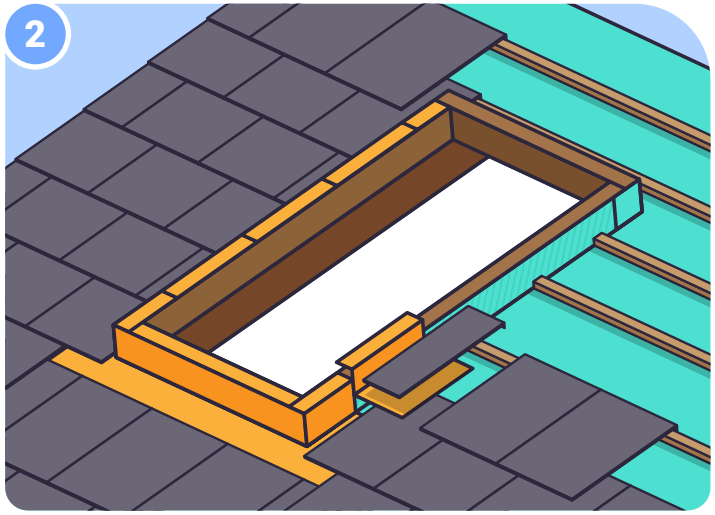
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Construction for Rooflight and Upstand (Flat)



Installation Guide (Pitched)





Step 1 | Construct your roof to current building regulations, doubling up on rafters as necessary to support the span.

Install a timber upstand ensuring that the external size matches your purchased rooflight size with your soakers installed.

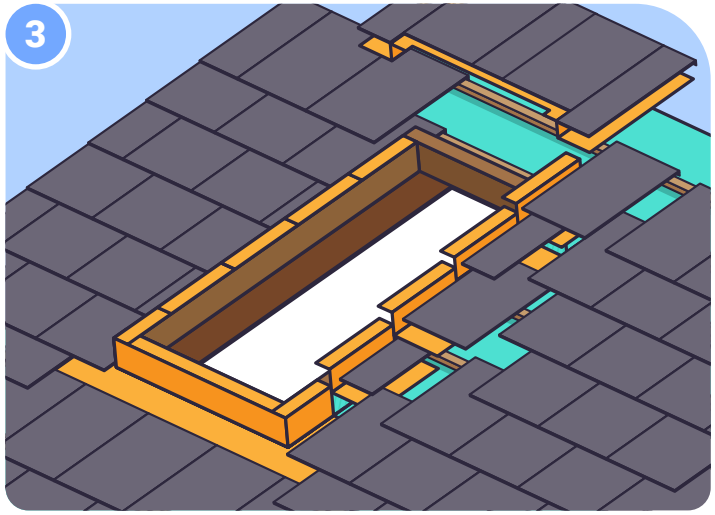
Install the breather membrane and roofing battens paying special attention to the corner details on the upstand.

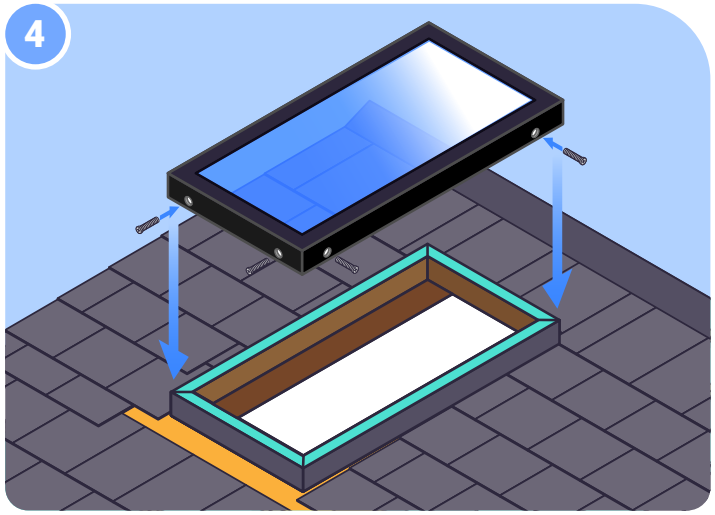
Step 2 | Your soakers are cut from a roll of **DEKS Fast Flash**, or similar and installed to create a waterproof barrier where the tiles end, and the upstand is visible. The soaker must be run onto the top of the timber upstand.

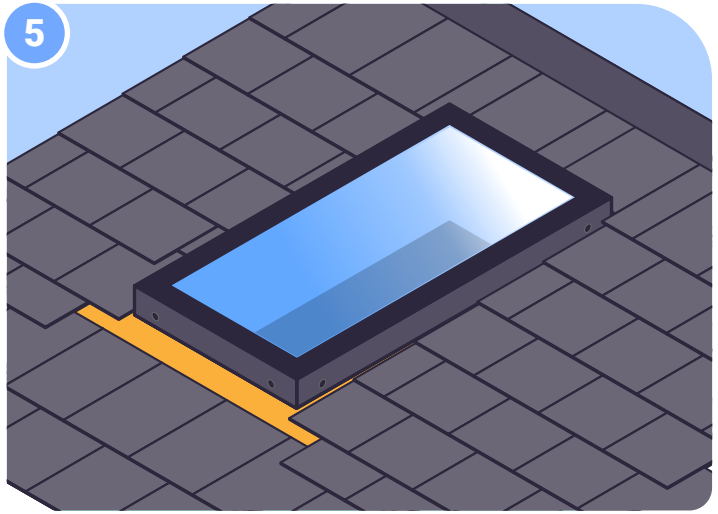
The soakers are installed between the tiles as they are cut and laid, in the same way as a chimney flashing.

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Installation Guide (Pitched)







Step 3 | Continue the process of installing the tiles and soakers until they are all installed.

Step 4 | Carefully lift the Skyseal® Flat Glass Rooflight into position.

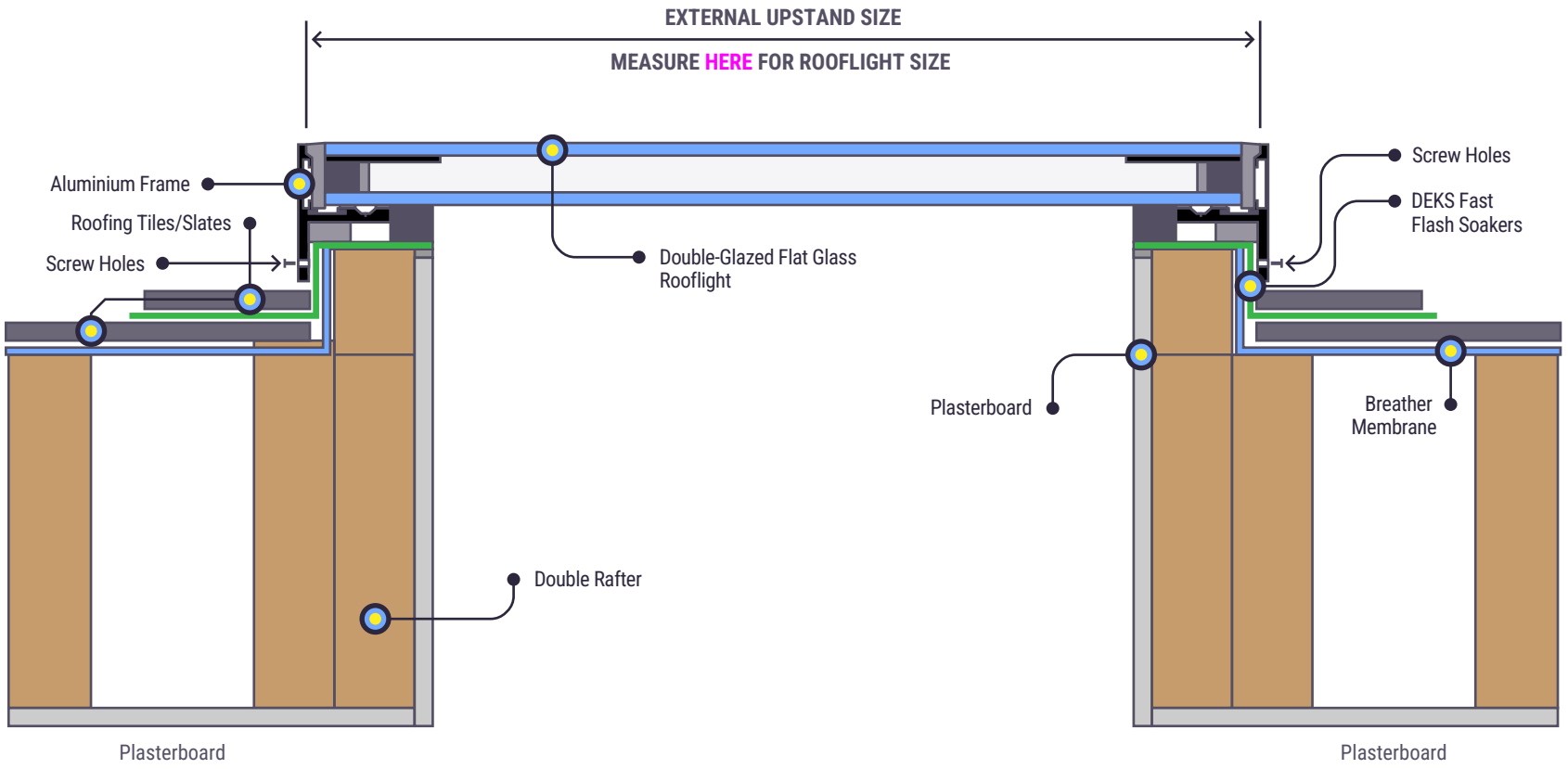
Step 5 | The rooflight frame is secured to the timber upstand using supplied screws and washers.

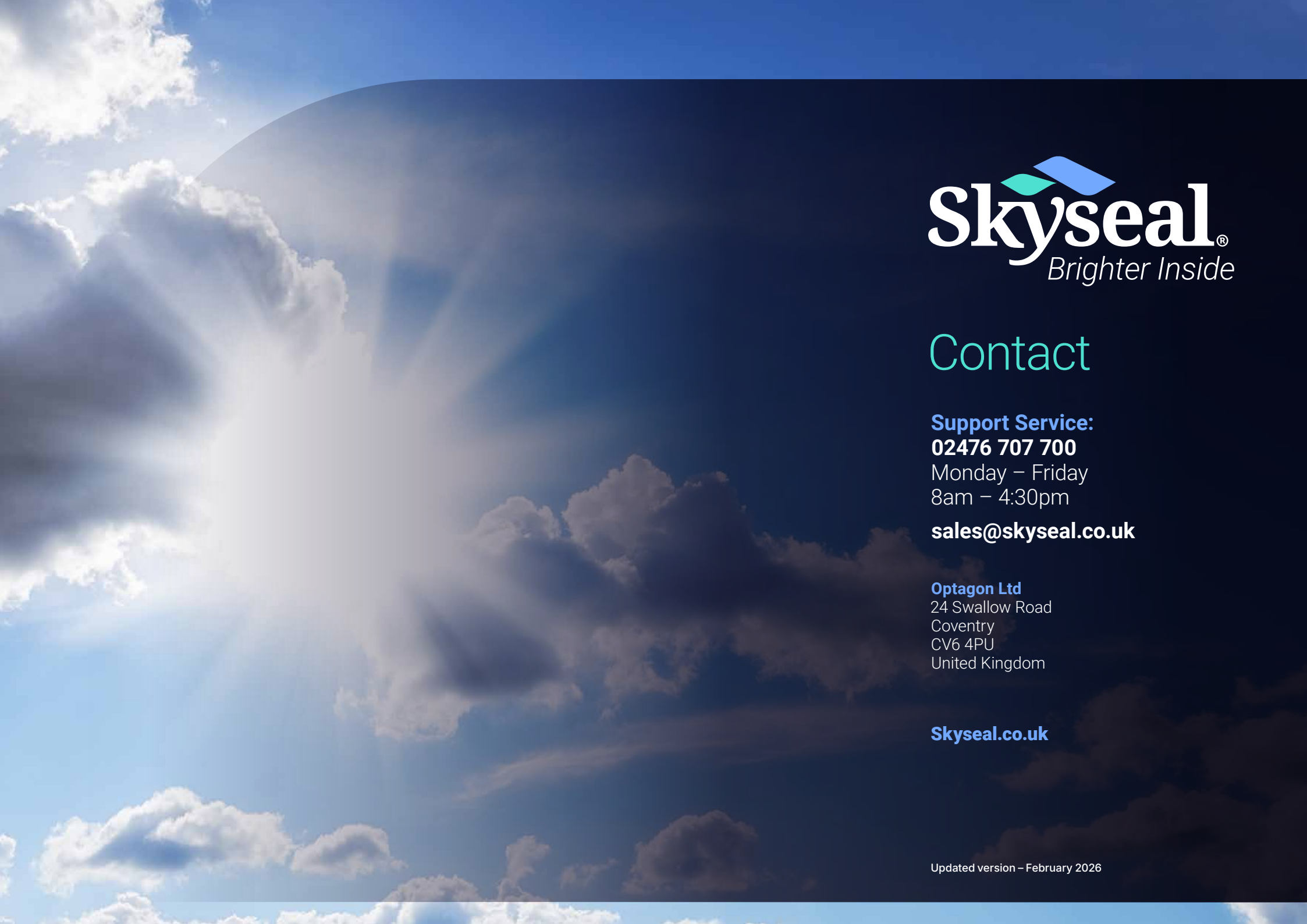
Finished by adding security caps to cover the screws.

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Construction for Rooflight and Upstand (Pitched)





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