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VISION**

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Flushglaze Rooflight Installation and Maintenance Manual

thankyou

For choosing rooflights.com, we are confident your rooflight will provide you with many years of service.

In order to ensure optimum performance and fit we recommend that you read through all of the details enclosed in this guide thoroughly before attempting to install your rooflight.

Your install guide includes the following information:

Whats in the box? What you should have received with your delivery.

Manufacturing specifications and section drawings of your rooflight(s).

Recommendations for constructing your kerbs.

Step by step installation guide.

Maintenance tips.

Important numbers section.



whats in the box?



Your rooflight should arrive on site in undamaged packaging branded with the Glazing Vision manufacturers logo. Please carefully inspect for damage to packaging and/or unit and contact us within 48 hours from signing the receipt of your delivery if you think any damage may have occurred.

A separate box containing the installation hardware should also be received, enclosed within the hardware box for each unit you should find the following:

Plastic horseshoe packers including 1mm, 2mm, 3mm and 5mm.
No.12 x 2 1/2" Button Head Woodscrews.
Rolls of poly-butyl tape.

Flushglaze®

Everything you need to prepare, fit and maintain your rooflight



Anything missing?

info@rooflights.com
01379 353092

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the online rooflight shop

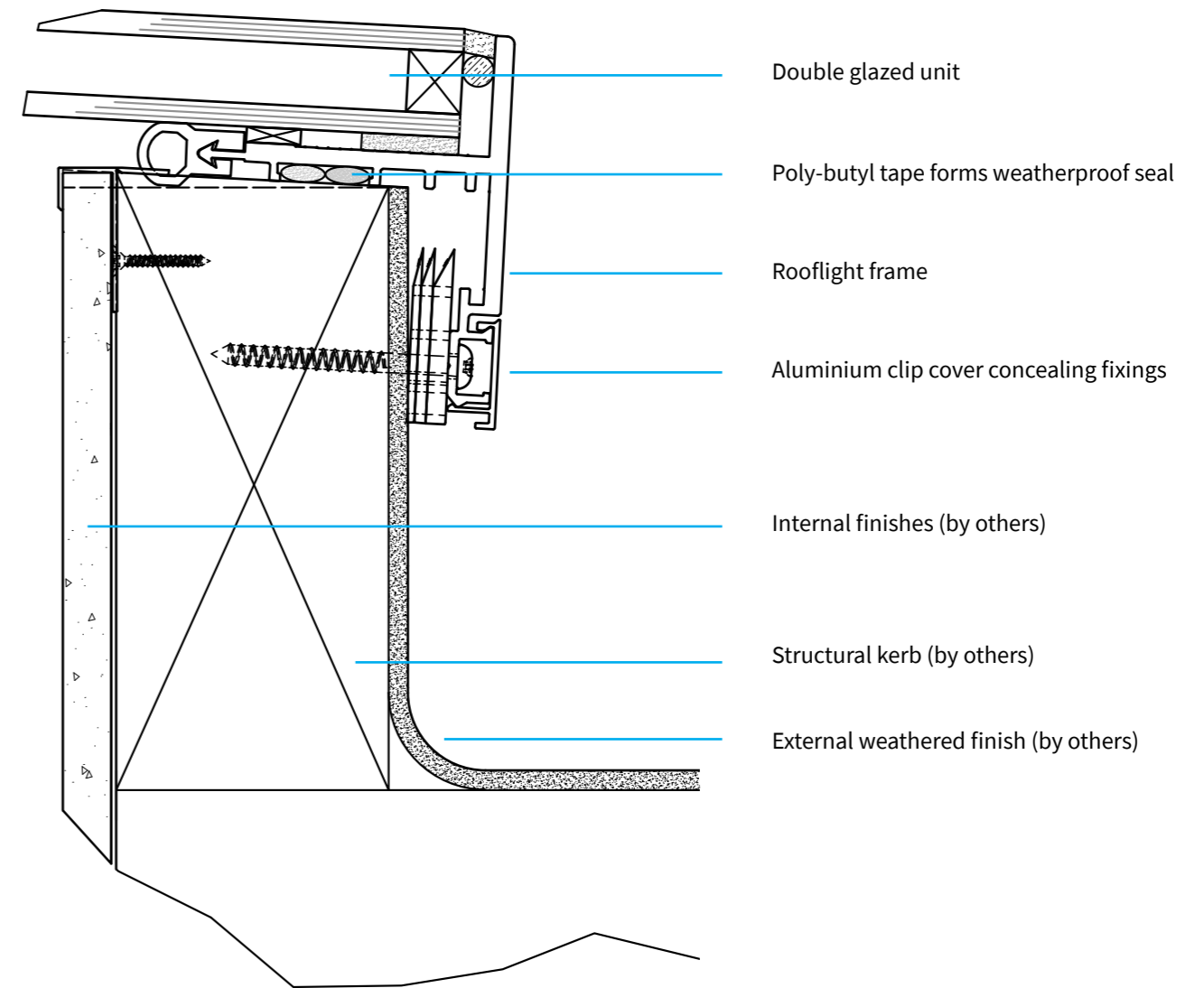
rooflight product specifications

Flushglaze® double glazed unit

The Flushglaze rooflight is available in double glazed, triple glazed and walk on specifications.

- Manufacturer:** Glazing Vision Ltd
- Type:** Fixed Flushglaze® Rooflight
- Variants:** [Double Glazed](#) / Triple Glazed / Walk On Specification
- Description:** Fixed glazing system comprising of powder coated aluminium extrusion and double glazed unit. Designed to be installed between 3° and 70° from the horizontal (1° for Walk On variants)
- Features:** No visible fixings with frameless internal views. No external capping systems required.
- Approvals:** Approved and certified by the British Board of Agrément (BBA) tested for strength and stability, durability, condensation risk, light and solar transmittance, behaviour during a fire, water resistance, and thermal performance.
- Glass Specification**
 6mm clear heat soak tested toughened outer
 16mm warm edge black silicone sealed argon filled cavity
 6mm clear heat soak tested soft low e toughened inner

 Inspected to Glazing Vision quality standard TWI001
- Frame Finish:** RAL7015 Slate Grey Akzo Nobel Interpon D1036, minimum 40 micron finish. Applied to Qualicoat standards - Approved Applicator License No. 1017
- Seals:** Combination of silicone, butyl and rubber seals.
- Drawing References:** 402ASS051 Flushglaze® Kerb Detail
 402ASS001 Double Glazed Flushglaze® Kerb Mount Detail



Whatever the specification, the Flushglaze system is designed to be simple to fit, the rooflight frame should drop over the edge of your pre-constructed kerbs and is secured with a combination of poly-butyl tape and wood screws (supplied)

An internally fitted gasket ensures that warm internal air does not make contact with the cooler frame which can result in condensation build up.

Cut away section (right) indicates how rooflight frame should be positioned on kerb.



i 3° MIN pitch (recommended 5°)
 75mm MIN structural kerb thickness
 150mm MIN kerb height (low side)
 Do not weather top of kerb



rooflight product specifications

Flushglaze® triple glazed unit

Manufacturer: Glazing Vision Ltd

Type: Fixed Flushglaze® Rooflight

Variants: Double Glazed / [Triple Glazed](#) / Walk On Specification

Description: Fixed glazing system comprising of powder coated aluminium extrusion and double glazed unit. Designed to be installed between 3° and 70° from the horizontal (1° for Walk On variants)

Features: No visible fixings with frameless internal views. No external capping systems required.

Approvals: Approved and certified by the British Board of Agrément (BBA) tested for strength and stability, durability, condensation risk, light and solar transmittance, behaviour during a fire, water resistance, and thermal performance.

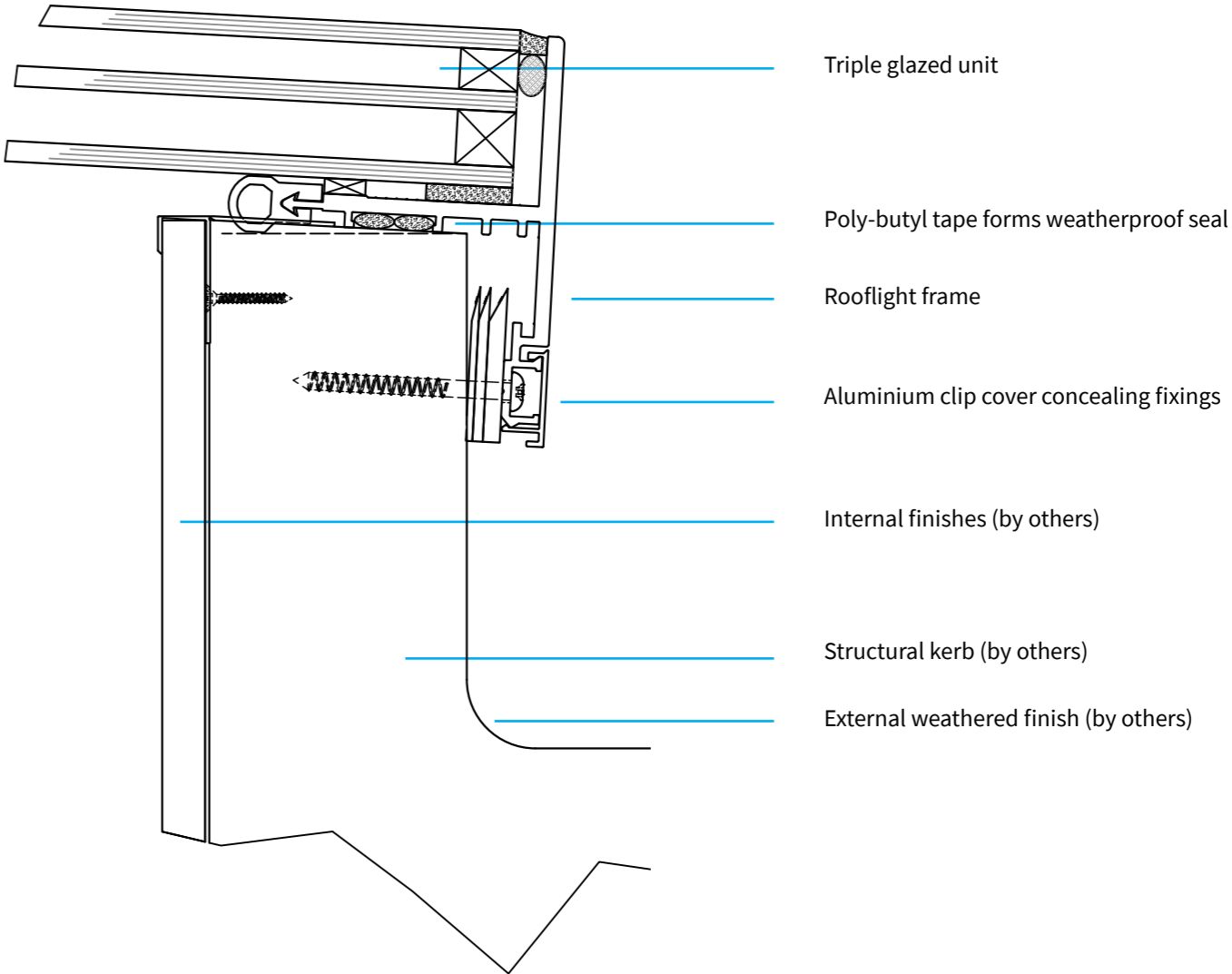
Glass Specification
 6mm clear heat soak tested toughened outer
 12mm warm edge black silicone sealed argon filled cavity
 6mm clear heat soak tested soft low e toughened inner
 16mm warm edge black silicone sealed argon filled cavity
 6mm clear heat soak tested soft low e toughened inner

Inspected to Glazing Vision quality standard TWI001

Frame Finish: RAL7015 Slate Grey Akzo Nobel Interpon D1036, minimum 40 micron finish. Applied to Qualicoat standards - Approved Applicator License No. 1017

Seals: Combination of silicone, butyl and rubber seals.

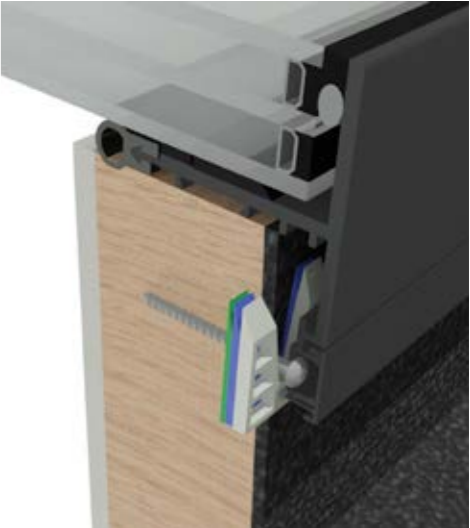
Drawing References: 402ASS051 Flushglaze® Kerb Detail
 402ASS024 Triple Glazed Flushglaze® Kerb Mount Detail



Our Triple Glazed Flushglaze system should be installed using the same methods as the standard Double Glazed, the rooflight frame should drop over the edge of your pre-constructed kerbs and is secured with a combination of poly-butyl tape and wood screws (supplied)

An internally fitted gasket ensures that warm internal air does not make contact with the cooler frame which can result in condensation build up.

Cut away section (right) indicates how rooflight frame should be positioned on kerb.



i 3° MIN pitch (recommended 5°)
 75mm MIN structural kerb thickness
 150mm MIN kerb height (low side)
 Do not weather top of kerb

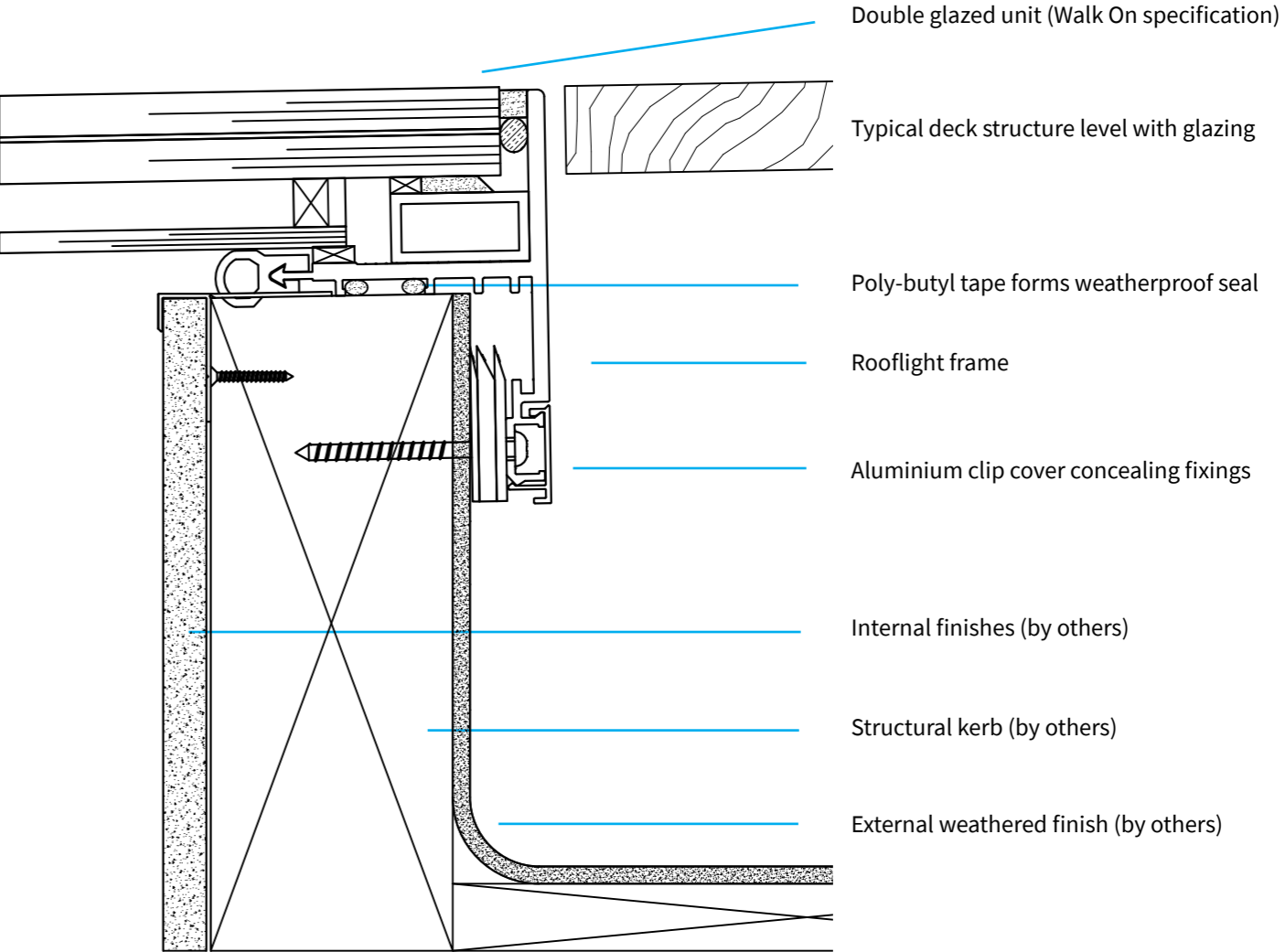


rooflight product specifications

Flushglaze® walk on specification

- Manufacturer:** Glazing Vision Ltd
- Type:** Fixed Flushglaze® Rooflight
- Variants:** Double Glazed / Triple Glazed / [Walk On Specification](#)
- Description:** Fixed glazing system comprising of powder coated aluminium extrusion and double glazed unit. Designed to be installed between 3° and 70° from the horizontal (1° for Walk On variants)
- Features:** No visible fixings with frameless internal views. No external capping systems required.
- Approvals:** Approved and certified by the British Board of Agrément (BBA) tested for strength and stability, durability, condensation risk, light and solar transmittance, behaviour during a fire, water resistance, and thermal performance.
- Glass Specification**
 - 25.5mm clear heat soak tested toughened laminated outer
 - 14mm warm edge black silicone sealed argon filled cavity
 - 6mm clear heat soak tested soft low e toughened inner

Inspected to Glazing Vision quality standard TWI001
- Frame Finish:** RAL7015 Slate Grey Akzo Nobel Interpon D1036, minimum 40 micron finish. Applied to Qualicoat standards - Approved Applicator License No. 1017
- Seals:** Combination of silicone, butyl and rubber seals.
- Drawing References:** 402ASS051 Flushglaze® Kerb Detail
402ASS003 Walk On Flushglaze® Kerb Mount Detail
- Design Loadings:** Uniform Distributed Load = 1.5kN/m2
Concentrated Load = 2.0kN



i 1° recommended pitch

75mm MIN structural kerb thickness

150mm MIN kerb height (low side)

Do not weather top of kerb

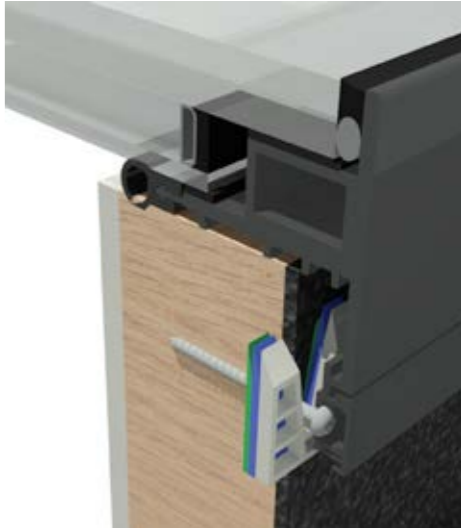


The Walk On Flushglaze system is designed to be installed in the same way as our other variants, however due to the nature of the product and the likelihood that it will be subjected to foot traffic we recommend installing the rooflight on a minimal 1° fall.

The rooflight frame should drop over the edge of your pre-constructed kerbs and is secured with a combination of poly-butyl tape and wood screws (supplied)

In order to avoid trip hazards decking is commonly used to raise the accessible floor level so that it sits flush with the height of the glass.

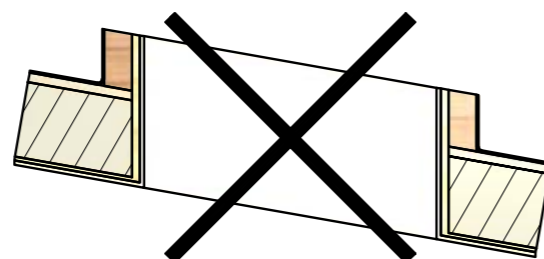
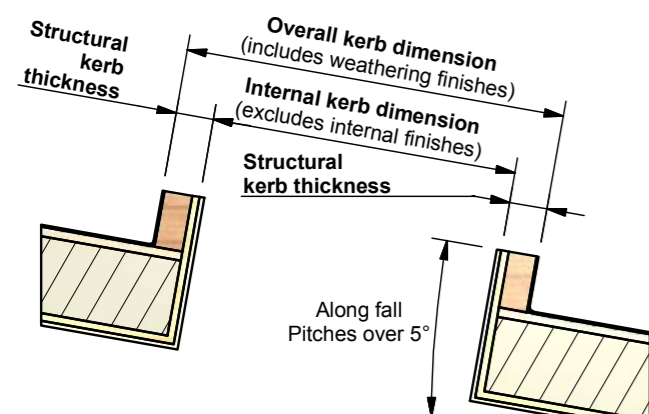
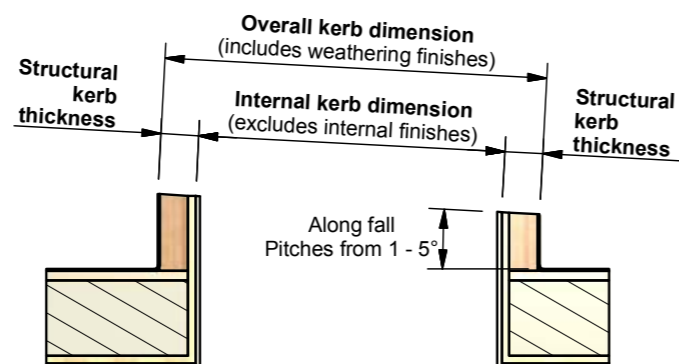
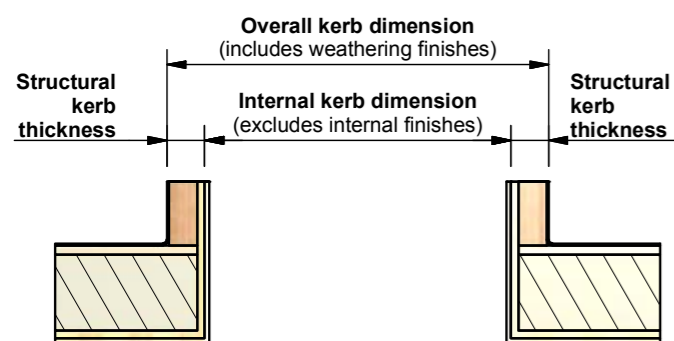
Cut away section (right) indicates how rooflight frame should be positioned on kerb.



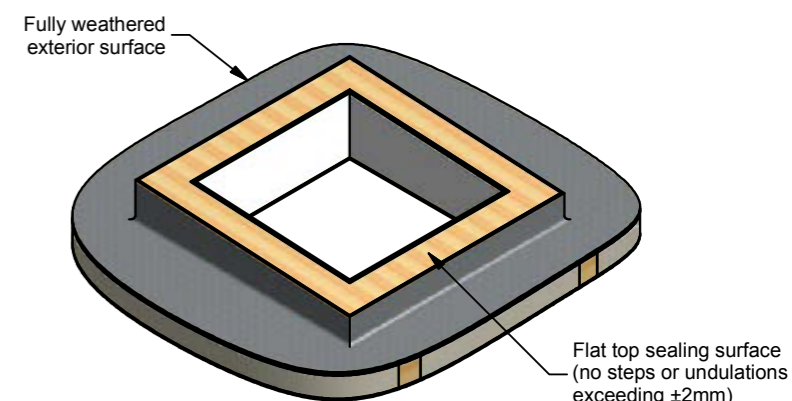
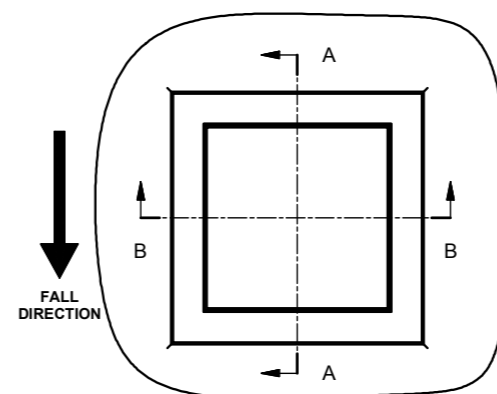
constructing your kerbs



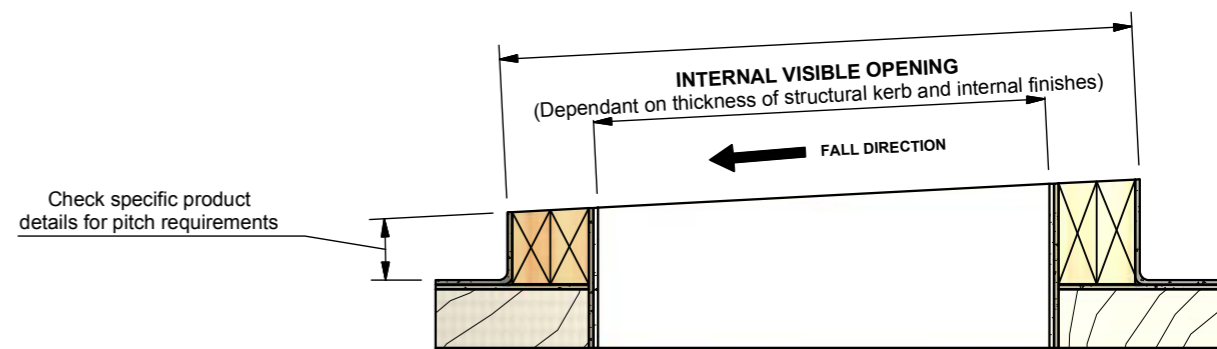
Required fall and critical dimensions for construction of your kerbs.



For pitches greater than 5 degrees, the pitch must be built into the roof. The kerb must be constructed perpendicular to the roof.

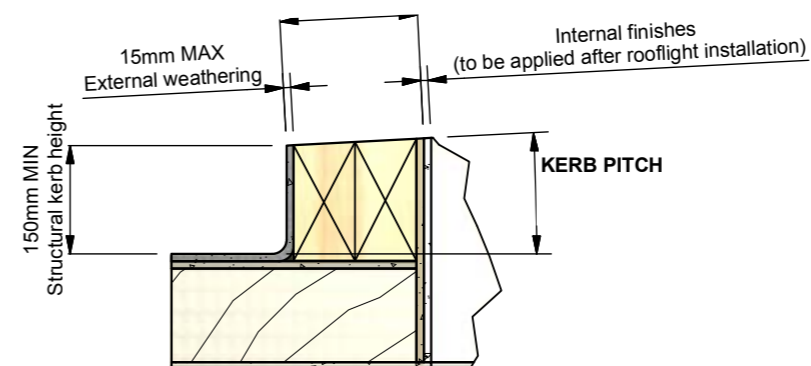


KERB SPAN



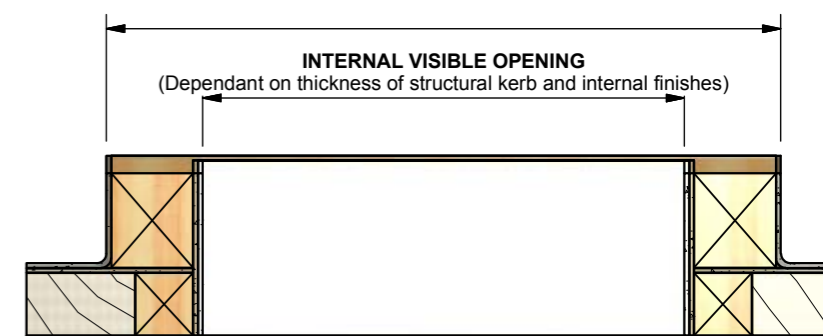
Check specific product details for pitch requirements

75mm MIN Structural kerb thickness



150mm MIN Structural kerb height

KERB WIDTH



SECTION B-B (ENLARGED)

installing your rooflight



Step by step guide to fitting your rooflight



CAUTION! Rooflights can be extremely heavy. Consideration should be made for moving the product onto the roof and extreme care should be taken during installation.

Pre installation kerb checks

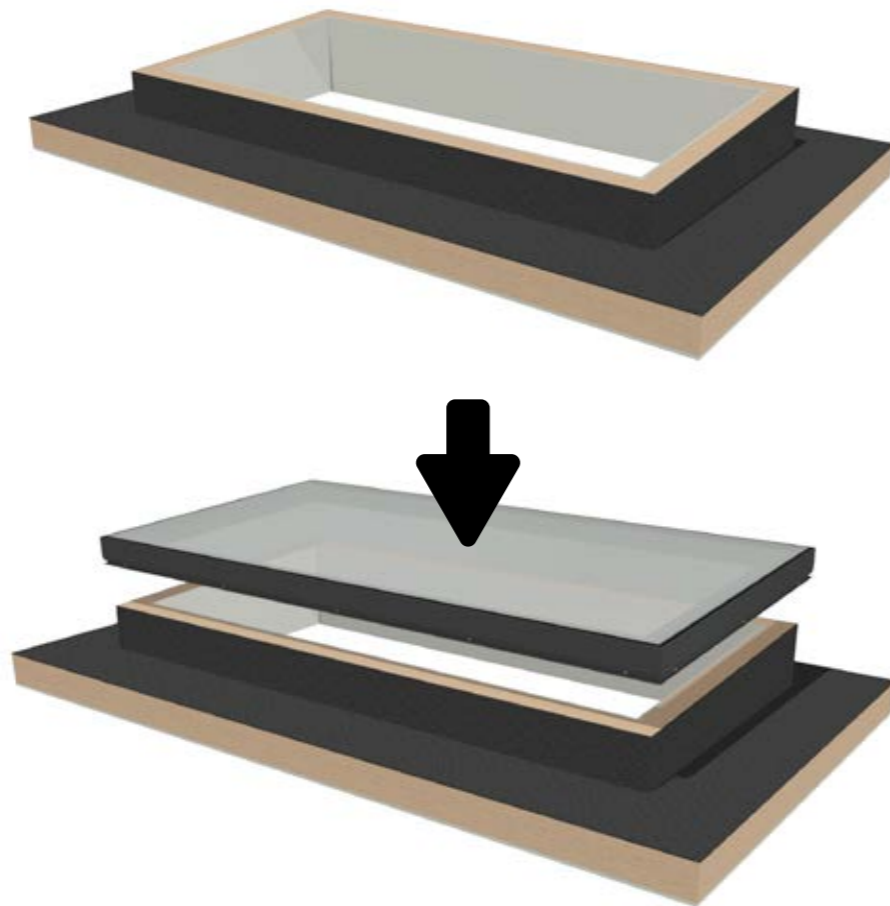
After checking you are in receipt of the required installation hardware and rooflight(s) it is important to ensure the area of installation is suitably prepared. The area surrounding the aperture should be clear and provide safe access during the installation works. If working at heights, ensure that all safety systems are in place.

Kerbs should be checked for specification, dimensional accuracy and the correct fall to ensure water does not pond on the surface of the rooflight. All kerbs should be complete and fully weathered prior to installation. If in doubt, please refer to the kerb guide and rooflight section details featured in this manual. If you are happy that the area is suitably prepared and your kerbs are accurate, you can commence with the installation of your rooflight.

step 1

We strongly recommend that you 'dry fit' the rooflight by placing it onto the kerb before using any of the adhesive tape so that you can ensure that the rooflight fits over the kerb structure.

This is a good opportunity to check for any pinch points and to see if the rooflight frame fouls any adjacent parts of the building structure.



step 2



fig. 1

Once you are happy everything will fit, remove the rooflight and place two runs of butyl tape around the underside of the rooflight using the frame recess as illustrated in the Flushglaze® section detail (fig. 1)

step 3

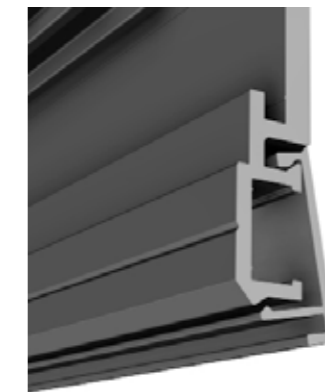


fig. 2

Carefully place the rooflight back onto the kerb, the weight of the unit will ensure enough pressure is applied to compress the butyl tape and form a weatherproof seal. Once in position, remove the clip on covers around the framework (fig. 2)

step 4



fig. 3

This allows access to pre drilled holes in the extrusion enabling you to fix the rooflight using the woodscrews provided. Any clearance between the inner face of the rooflight frame and kerb can be packed out using the horse shoe packers supplied (fig. 3)

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maintaining your rooflight

Maintain your rooflight to achieve optimum performance year after year

Safety

Unless you have purchased a Flushglaze® rooflight designed specifically for 'Walk On' purposes, you should not walk on the glass surface unless spreader boards are in place. The standard Flushglaze® unit is designed to carry maintenance loads and support the weight of one person only, provided spreader boards are used.

If you have purchased the 'Walk On' variant of the Flushglaze® rooflight - extra care should be taken if you are walking on the unit in wet conditions as glass can become slippery.

Cleaning your rooflight

Provided you have constructed your kerb to a minimum 3° fall you should not experience water ponding on the surface of the glass. However, you may still experience contaminants such as bird droppings and tree sap.

Although any standard glass cleaner can be used, we recommend purchasing our Rooflight Cleaning Kit which can be found at our online shop. It is specifically designed to maintain your glass finish, and can safely be used with Ritec Clearshield coating if you have selected this option. For the framework we recommend using warm soapy water and a lint free cloth.

Do not use abrasives or aggressive cleaners on the unit as this may damage the powder coated frame or glass finishes.

Routine maintenance

Flushglaze® rooflights are very robust, but we do recommend that a visual inspection of the unit is carried out at least once every 6 months. You should check the external seals for any degradation and also the finish of the powder coated frame for any damage. If you are unable to do this yourself, rooflights.com offer a full service and maintenance contract for peace of mind. Please contact our Customer Service team who will be happy to arrange this for you.

Safe Disposal

There are no hazardous materials used in the construction of the Flushglaze®. When disposing of the rooflight please recycle wherever possible. The following materials are used to construct the unit:

Aluminium extrusion and corner brackets
Stainless steel fixings
Low modulus silicone
Toughened glass panes
Polyurethane adhesive
Acrylic adhesive

Polyester powder coated finish
Butyl Tape
PVC foam tape
Polyethylene backing rod
Warm edge spacer bar
PVB laminate interlayer (walk on only)



cleaning kits available at [rooflights.com](https://www.rooflights.com) the online rooflight shop

important numbers

order number

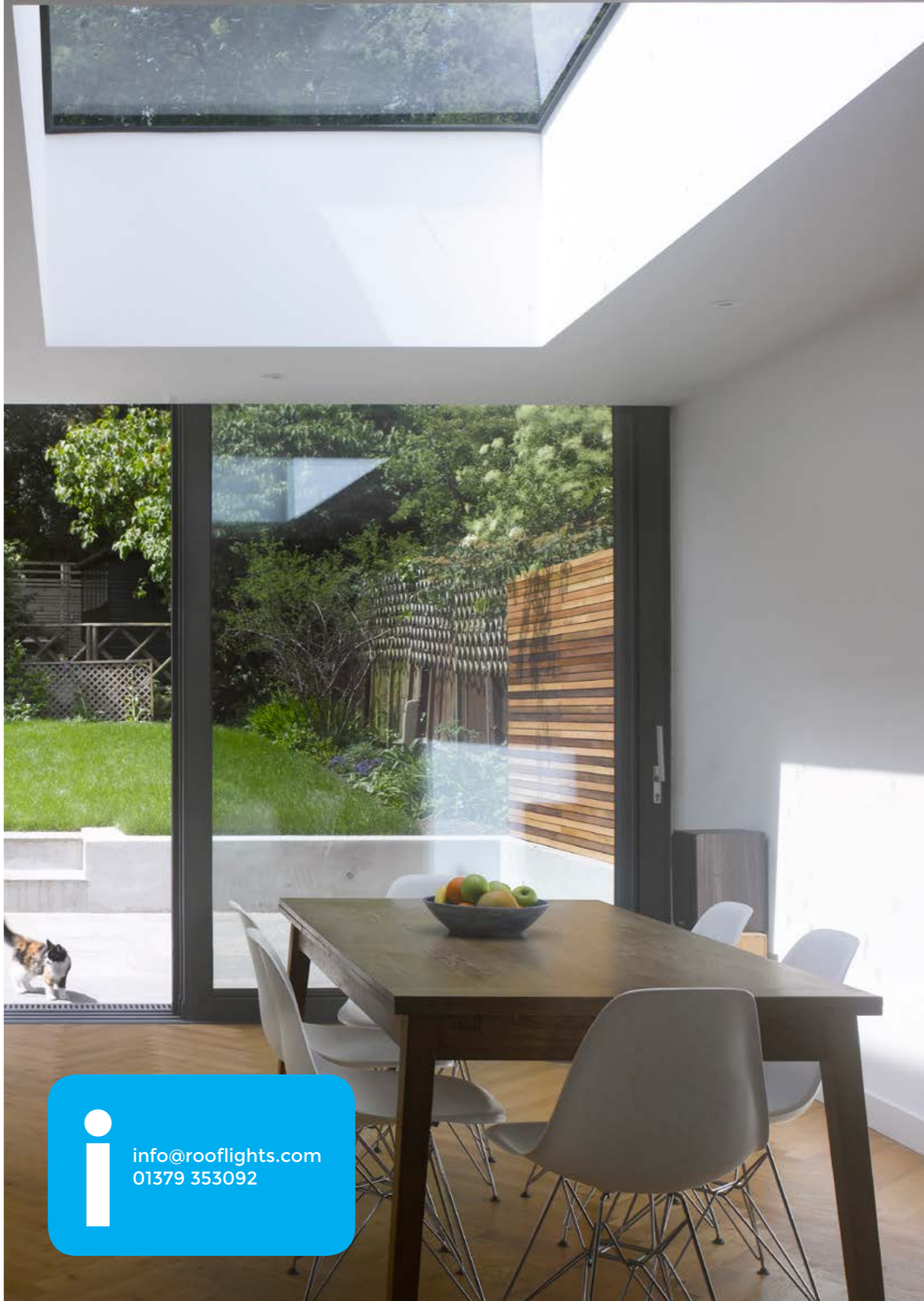
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rooflight

serial number

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Use this page to make note of your order number and your rooflight serial numbers



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