

Measuring & Installation Guide



Our roof light rooflight installation can easily be undertaken by competent builders/roofers and we provide simple step by step fitting guide and technical support to facilitate installation.

The Rooflight supplied can be installed directly on the Insulated Upstand supported by an anodized aluminium angle trim all around, supplied by the builder or roofer.

All information and diagrams on this page are for guidance only to install the rooflight we supply as each project may vary in design/construction as per architects' drawings. Upstand design and dimensions can vary based on architects approved drawings and insulation requirements. The rooflight can be custom made to suit wider upstands with bigger than 100mm overhangs if required at additional cost.

Installation and Measuring Guide

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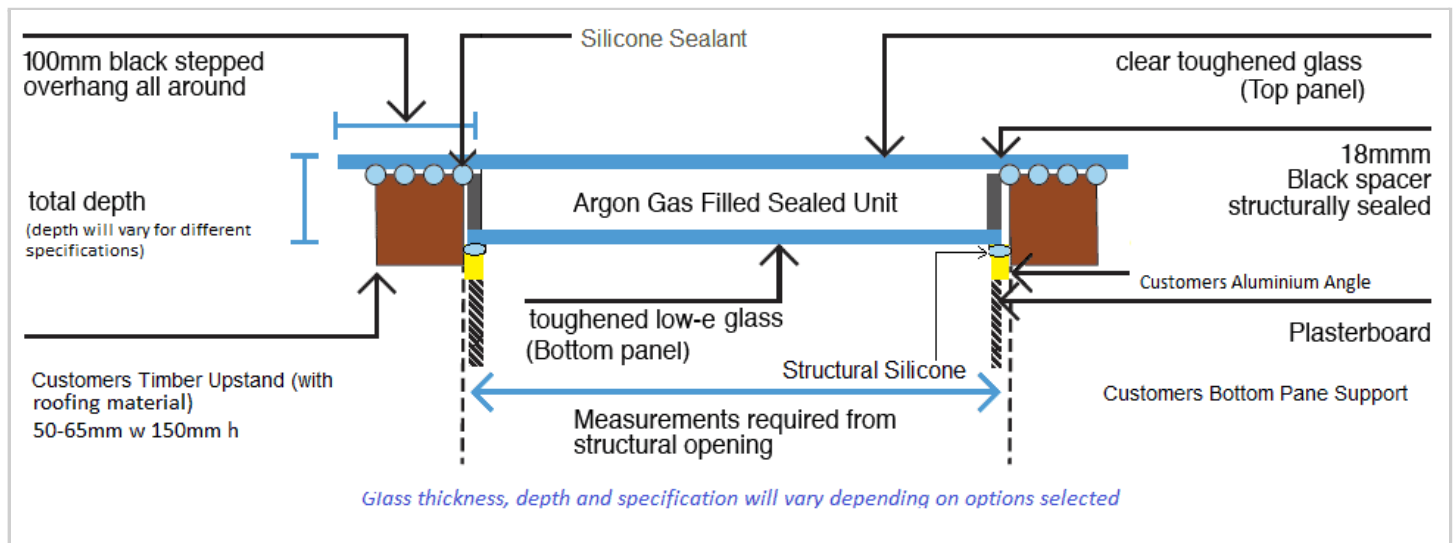
1. Measure the opening
2. Preparing your roof
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Measure the opening

The first step in purchasing your rooflight would be to measure the structural opening where the rooflight will be installed. You should allow for 5mm tolerances all around to allow the bottom pane of the rooflight to fit smoothly into the opening. As an example, if your tight opening

measurements are 1010mm by 1010mm we would recommend you purchase a rooflight with a bottom pane of 1000mm by 1000mm so it slots in smoothly.

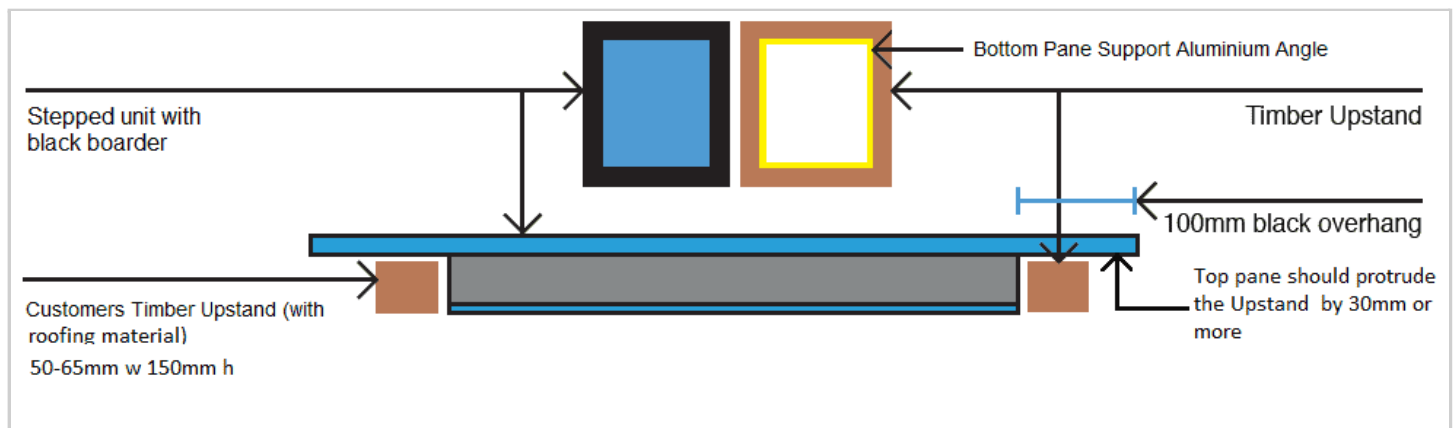
For standard units the top pane would have a black 100mm overhang all around on the top pane. This would make the overall size of the top pane 1200mm by 1200mm in this example. We can increase the size of the overhang if required if the upstand width is wider. The diagram below shows the sectional view of a double-glazed installed rooflight.



Preparing your roof

Structural glazing silicone is used to bond the double/triple glazed sealed units to the top pane to form a rooflight. The rooflight IGU is simply secured onto the timber kerb built by your roofer/builder as part of the roof construction.

The timber upstand should protrude 150mm above the roof. **The pitch should be 6 degrees, sufficient to allow water to flow down.**



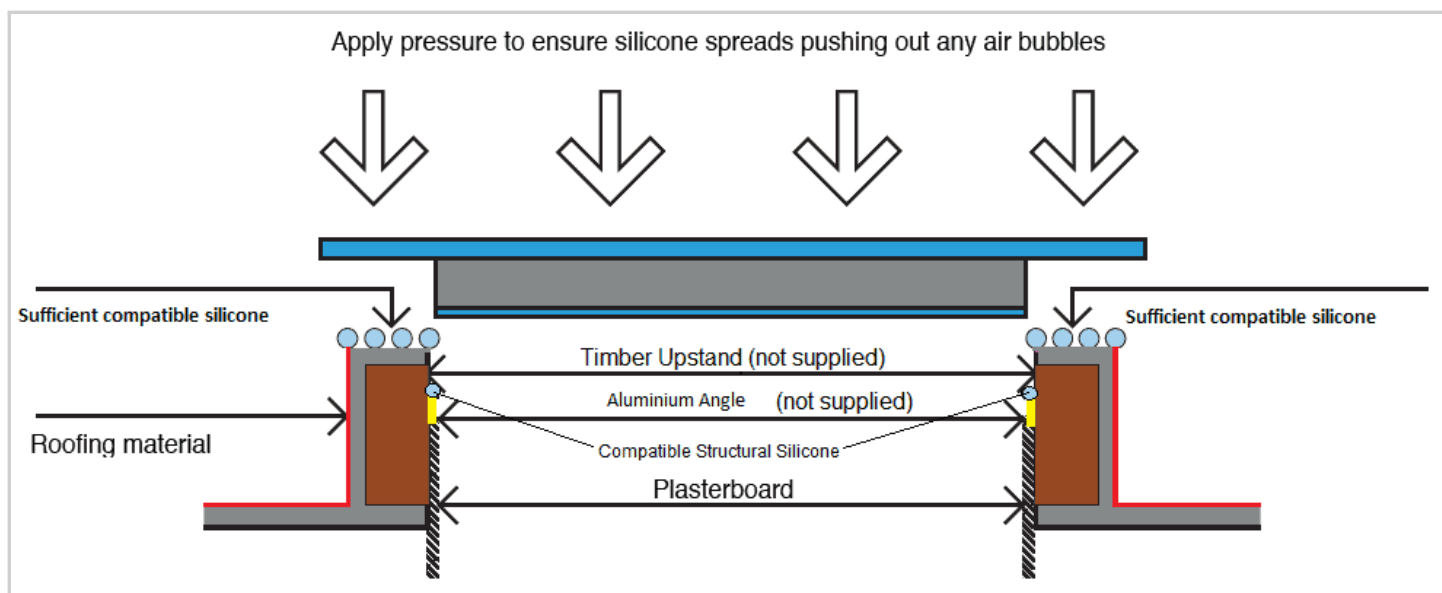
Installing the rooflight

The final step to finish the roof before installing the rooflight is to apply your roof covering up to the side of the upstand to make it weatherproof as illustrated below.

The timber upstand should protrude at least 150mm above the roof and the pitch should be 6 degrees, sufficient to allow water to flow down. Before sealing the product with silicone, water can be applied to test the flow off of water, if pooling occurs a higher pitch may be required.

Bottom pane should be supported on 4 sides once set in place, the aluminium angle can be fitted before the plasterboard and covered with plasterboard or fitted after the plaster board.

Alternatively, a timber batten with aluminium strip on the top can be fitted to support the rooflight.



Apply adequate compatible low modulus silicone as per silicone supplier's data sheet to the top of the Upstand firmly placing the rooflight onto the upstand. Pressure should be applied all around the 100mm overhang to ensure the silicone spreads and seals any gaps and then finish off the silicone all around with a silicone tool. Once cured apply structural silicone as per supplier's data sheet to the bottom aluminium angle trim flat surfaces firmly fitting them in place. Excess silicone should then be wiped away with a finishing tool. Dowsil 791 low modulus weatherproofing silicone and Dowsil 895 Structural sealant are

compatible with Dowsil 3363. Setting blocks can be used to achieve sealant thickness required.

At this stage the bottom and top panes should be supported. Sealants compatible with the top of the upstand, aluminium angle trim, glass, setting blocks and Dowsil 3363 silicone should be used. Some sealant suppliers may require primer to be applied to surfaces.

Please note all rooflights are made to order and sizes can not be changed once glass is cut or toughened. We recommend the specification, sizes and instructions are reviewed and understood by the installer before proceeding with an order.