

## GV Standard Skylight

Installation Instruction Manual



## Contents

<b>Section Description</b>	<b>Page</b>
Contents	2
Installation	2
Installation Procedure	3

## Skyglide Installation Instructions

### Points to note prior to commencing installation:

1. The Skyglide should arrive on site in undamaged packaging, which includes sterling board side protection, polyfoam glass protection and low-tack tape base protection. Please inspect for damage to packaging and/or vent and advise Glazing Vision upon receipt.
2. Enclosed within the box containing this manual is a roll of butyl tape, the required number of fixing woodscrews and a number of horseshoe packers. The installation kit supplied with electrical units contains a transformer, two switches and any additional optional items selected at time of order.
3. There are two standard coiled cables emerging from the motor housing, this includes twin + earth and six-core cables both of which have red identification labels (labels should not be removed until final installation) refer to Glazing Vision standard drawing 601-ASS-407 for details of wiring requirements.
4. The switch used to control the operation of the Skyglide is a single pole double throw (SPDT) type. This switch will allow you to operate and stop at any position between the fully open and closed positions. This switch also contains a tri-colour LED to display rooflight status to the user. The correct control switch is supplied in the installation kit and must be installed to avoid invalidating the warranty. This switch can be installed in a maintenance area if required and another switch parallel wired for regular use. Using a SPDT switch that only latches 'on-on' can seize the controller and therefore should not be used.

5. The other switch supplied in the installation kit is of double pole single throw (DPST) type. Installing this switch as per drawing 601-ASS-407 will allow the Skyglide control board to be reset in the event of a fault (for more on faults see the Operation & Maintenance manual).
6. The kerb should already be in place for the vent. The dimensioning of the vent will have taken into consideration the external dimensions of the upstand including all weathering. A guide for the kerbs is given in standard drawing S0001. The construction of the kerb is detailed more specifically on standard drawing 601-ASS-402.
7. Before starting installation, Glazing Vision advises that the physical kerb dimensions are cross-checked with those given for the order, to ensure the rooflight will fit (refer to drawings S0009/10). The kerb will need to be within  $\pm 10\text{mm}$  of the ordered size. Check the top surface of the kerb is flat (although it will be pitched to at least 3 degrees from the horizontal) without undulations greater than  $\pm 2\text{mm}$ . Check the cable exit hole has been included in the kerb. Also check the diagonals to ensure the kerb has been constructed square. The kerb must be weathered as per drawings.  
**Note: if using any metallic waterproofing material, this cannot be applied across the top surface of the kerb as this will cause a thermal bridge which can lead to internal condensation and invalidate the rooflight warranty.**

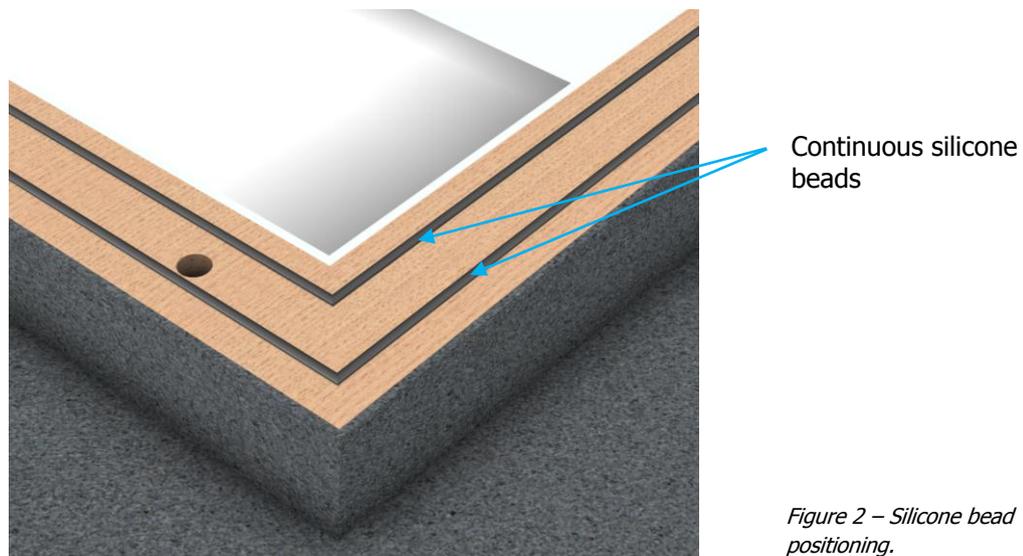
### Installation procedure

1. Before removing the packaging if possible turn the vent upside down and apply 2 continuous beads of butyl tape to the base of the Skyglide as shown in *Figure 1*. If the vent cannot be turned upside down the rooflight can be sealed to the kerb using silicone. For this operation apply 2 continuous beads of silicone roughly in positions shown in *Figure 2*.

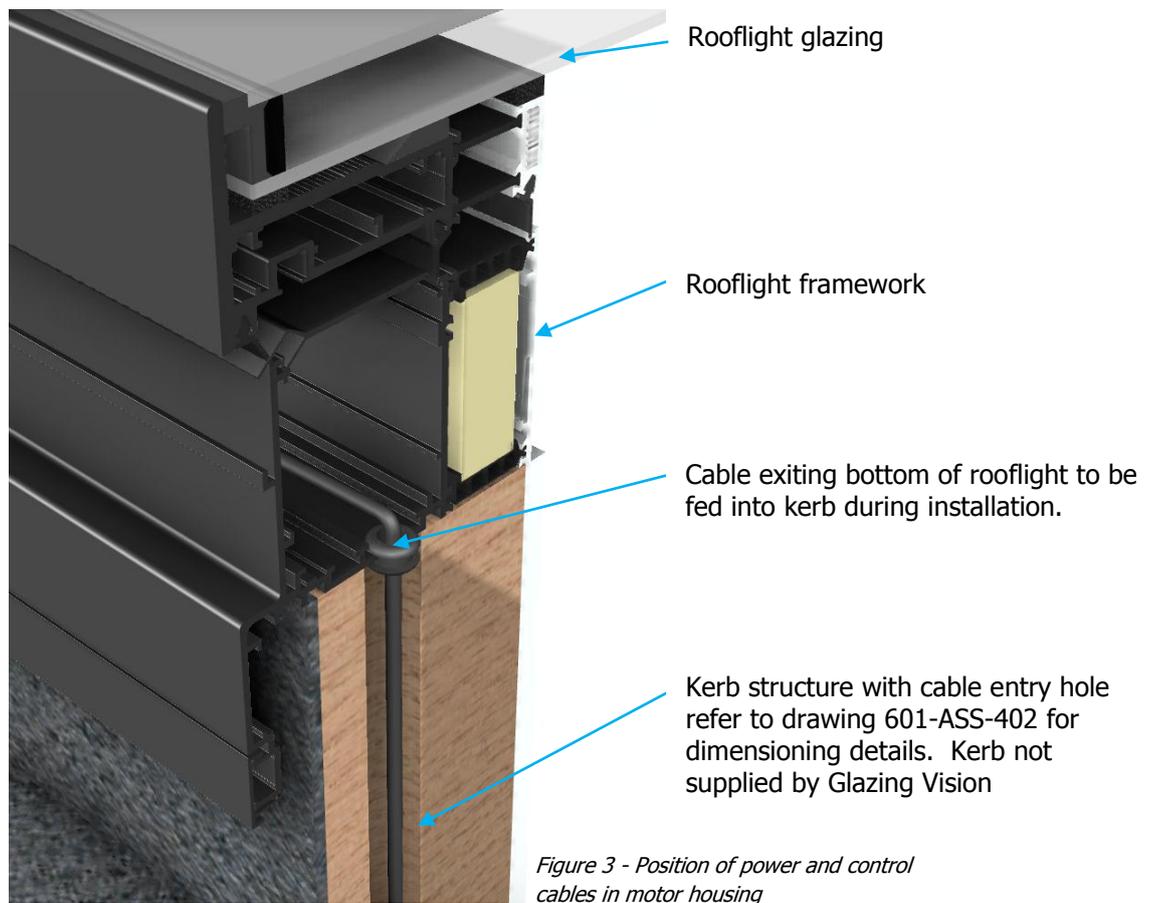


Butyl tape applied to rooflight extrusion features

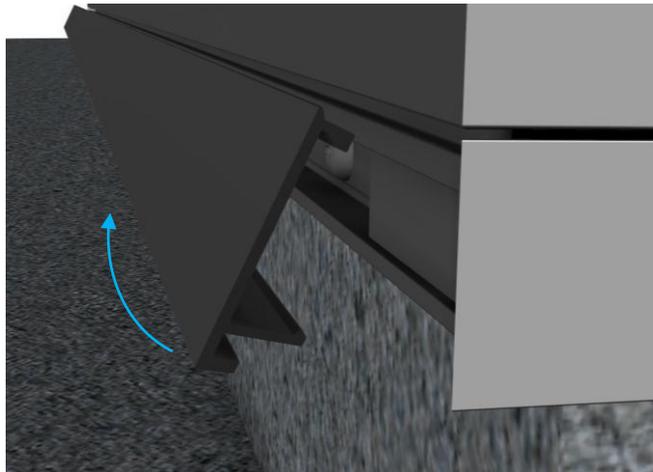
*Figure 1 – Rooflight section showing butyl positioning.*



2. Ensure that provision for the cabling in the upstand is of suitable dimensions and positioned correctly as shown on drawing 601-ASS-402. *Figure 3* depicts the cables exiting through the bottom of the rooflight into the kerb structure:

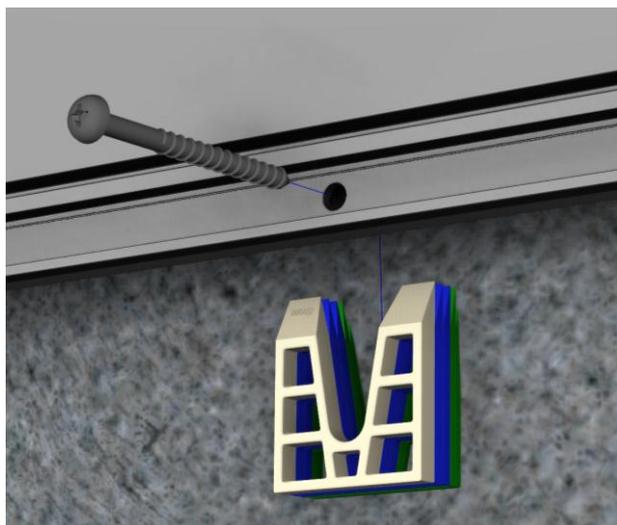


3. Carefully lower the rooflight onto the kerb top ensuring that cables are not trapped i.e. that the base frame is not sitting on the cables.
4. Remove the clip on covers around the lower perimeter of the rooflight. This is done by first pulling the bottom to release as shown in *Figure 4*.



*Figure 4 – Clip release direction*

5. Fix the vent to the kerb using the No10 x 2½” woodscrews and horseshoe packers supplied as per *Figure 5*. Fixings should be predrilled 3mm to a depth of 50mm. Use the packers to fill the space between the external kerb and inside of the rooflight. Care should be taken when tightening the fixings to ensure the frame does not distort.



*Figure 5 – Packing and fixing*

6. After applying all fixings, clip on the covers around the base perimeter.

7. To complete the installation the flying connections from the vent must be terminated as per drawing 601-ASS-407. Any extension to the power and switch lead should be 1.5mm<sup>2</sup> cable to avoid significant voltage drop. Please note **NO** power must be placed onto the six-core switch cable.
  
8. To commission the Skyglide, first check there are no obstructions preventing the lid from moving freely e.g. scaffolding or loads placed on the lid. Switch on the mains to the 24V supply. To initialise the Skyglide press and hold the operating switch in the close direction. Open and close the rooflight to check for smooth operation at this stage. The control board settings are configured during manufacturing assembly (if adjustment is required any new settings must be logged and returned to Glazing Vision for our records).
  
9. Complete site QC documents.