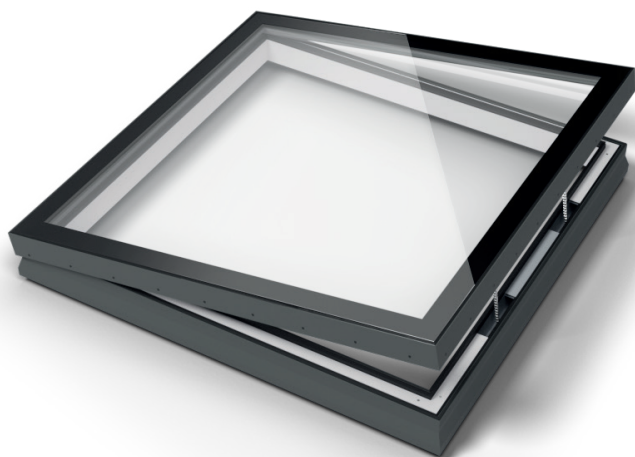


Install Guide for Flex Opener

Tools Required

- Torque Adjustable Drill
- No.25 TX Torx Drive Bit
- Knife
- 3mm Drill Bit



Handling & Storage

While all Flex flat glass rooflights and associated products are suitably packaged to avoid damage, you should take care when handling them. Always ensure you there's an appropriate number of people available to move larger items.

All rooflights and accessories must be stored on a flat, dry surface under cover if they aren't going to be installed immediately. Please also ensure that heavy items are not stored on top of the units.

Flex flat glass rooflights should not be stored on edge at any time. This could cause detrimental damage to the silicone seal and create latent stresses within the glass.

Flex flat glass components should not at any time be left in direct sunlight until installation is complete. Heavy items should not be placed on top of them as this can lead to damage or distortion.

The HSE publication Safety in Roofwork HSG33 gives good advice on the necessary precautions, safe working practices and procedures that need to be adopted when working on roofs.

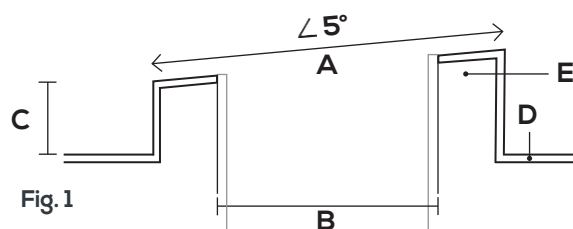
Constructing & Waterproofing a Timber Curb

Construct the upstand using relevant timber and insulation materials to achieve U value, slope angle and strength required. The top of the curb should be a minimum 50mm wide and maximum 60mm wide (we recommend 60mm) (including waterproofing membrane) and lowest point of curb 150mm above the finished roof level.

Upstand must be flat-topped (we recommend a 5° slope angle for water run-off. See Fig. 1). Apply the waterproofing (in accordance with Manufacturers Recommendations) up and right across top of upstand to give a flat even surface.

Construct the upstand according to the external size required. Note that the thickness of curb material will affect the daylight size.

- A Overall upstand size including waterproof membrane (Internal structural size + 120mm)
- B Internal structural size (order size)
- C Minimum height: 150mm
- D Waterproofing membrane
- E Builders curb



Waterproofing:

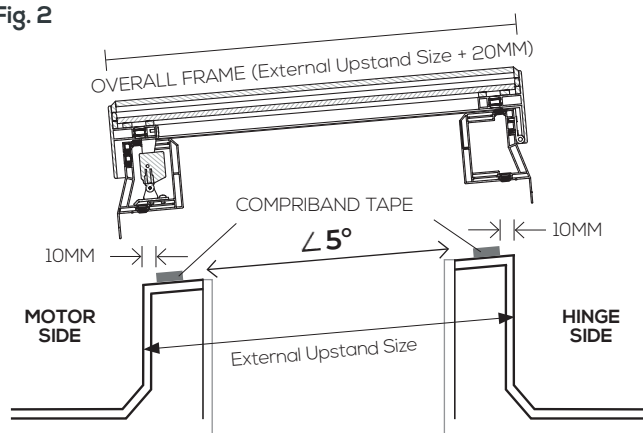
Follow the waterproofing membranes manufacturer's recommendations for applying to timber ensuring the membrane is applied up side of curb and across top to inside edge of curb

Note: for asphalt or applications in excess of 13mm thick, we recommend contacting the technical team to ensure rooflight can still be securely fixed on curb.

Install Guide for Flex Opener

1. Double check the external curb dimensions to ensure the upstand has been constructed to the correct sizing specification.
2. Check size of rooflight and compare with the size of the external curb to make sure the rooflight will fit down over the curb.

Fig. 2



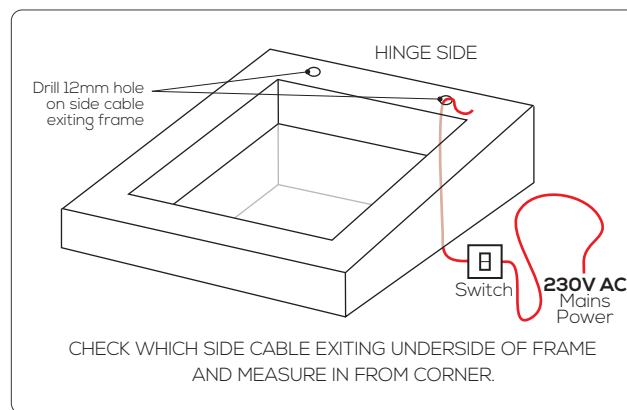
Note: Care should be taken to avoid damaging or scratching components.

3. Check that the rooflight is installed correctly and in one continuous plane. We advise a minimum of 5° slope on the curb to minimize water pooling and potential staining or aesthetic issues. Whilst the product can be installed without detriment to the warranties, the manufacturer cannot be held responsible for any excessive pooling of water to the surface of the rooflight post installation, if installed without an adequate fall.
4. It is recommended the unit is installed with the hinges on the high side. The unit should never be installed with the hinges on the sloped elevation as this will cause excessive forces on the motor chain and hinges and could lead to premature failure or non operation of the unit. Identify how unit will sit on curb. Check unit to be installed for cable exit position on underside of unit (hinge side). Measure position of cable exit from corner and mark corresponding position on the curb (remember to allow for the overhang of the unit past the curb). Drill a minimum 12mm hole for the cable route through the curb.
5. Position and apply compriband tape (supplied by EOS) to the top of the upstand, so that it provides continuous seal with tight butt joints wherever tape meets or joins. See Fig. 2.

6. Position rooflight adjacent to curb and feed motor cable through curb.
7. Position the rooflight onto the top of the curb ensuring the compriband tape is in contact with the metal frame around the full perimeter of the curb ensure that the unit is positioned centrally on curb with equal gap (minimum 10mm) between outside of em.curb and internal face of em.glaze unit drip flange. Take care not to trap or pinch cable.
8. Using the fixing screws supplied, fix the frame to the curb horizontally through the fixing holes pre-drilled in the lower part of the perimeter frame.

Please note: Once the rooflight has been installed, all the protective film should be removed on the day of installation. The protective film, which has no UV protection, will become brittle and difficult to remove over time and may damage the paint if left for a prolonged period.

9. Clean and snag any details.



Note: Electrical wiring and commissioning should only be carried out by a qualified and competent person.

Due to the size and weight differences between units there are combination of single and multiple motor combinations and different capacity (Nm) motors that are used.

Every unit should have a specific motor guide attached to the motor cable – if you require electronic versions or are missing this guide please contact us.