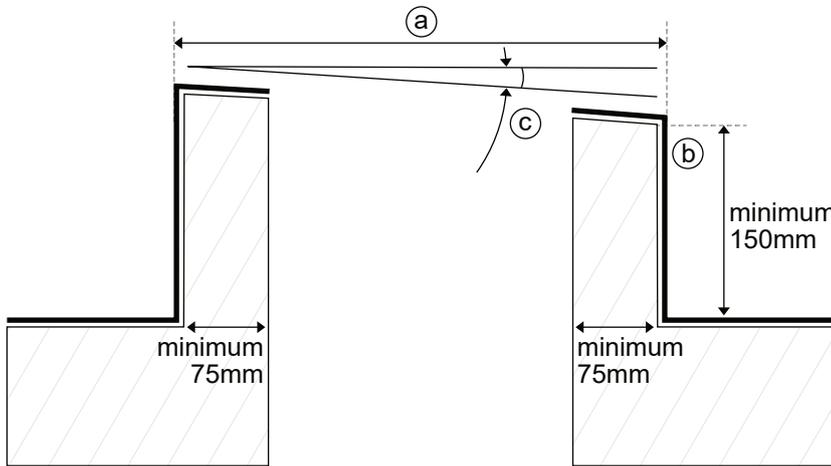


Circular Glass

TB425

Circular Glass Rooflight on builders upstand

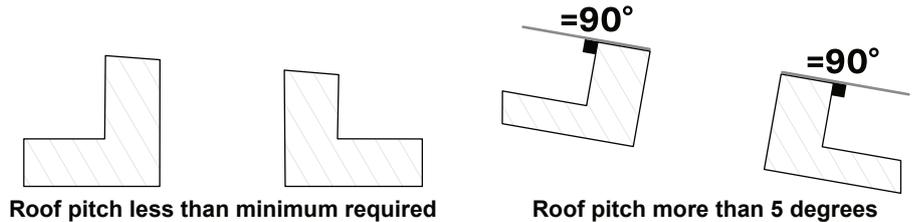
Upstand and pitch requirements



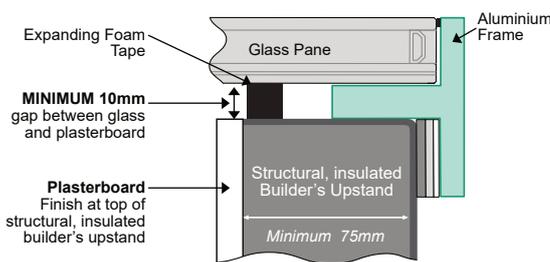
- Ⓐ Finished insulated and weathered upstand external dimension = Nominal Rooflight size (+20/-0mm)
- Ⓑ Roof covering should cover side and top of insulated upstand in accordance with manufacturer's installation recommendations.
NB there should be no excessive build up of layers. The top surface should be level and free from protrusions or projections.
- Ⓒ Circular Glass units are suitable for mounting at pitches of 2°-15°. A minimum pitch of 2° is required to prevent water ponding on the glass leading to rapid dirt build up. If the roof fall is less than required then the upstand itself should be built with a pitch.

For finished roof pitches that are less than the minimum needed then the pitch can be built into the upstand.

If finished roof pitch is greater than 5 degrees then the top of the upstand must be perpendicular to the sides and parallel with the roof surface.



Plasterboard guidance



Finish plasterboard at the top of the structural, insulated builder's upstand, ensuring there is a MINIMUM 10mm gap between the plasterboard and the underside of the glass. For more information see TB409.

Glazing specification

These Circular Glass rooflights are available with double glazing incorporating an inner pane that is either 1) annealed laminated or 2) toughened. Please check the glass specification and non-fragility classification of the specific rooflight with your supplier.

Annealed laminated inner pane:

An annealed laminated inner pane prevents falling glass in the event of accidental breakage, for the safety of those below the rooflight. In some circumstances, annealed, laminated glass can be subject to thermal stress fracture in the event of uneven heat build-up directly under the glass. Installation of blinds, or any other alterations made to the lightwell below the rooflight, must be done so with consideration to the risk of thermal stress fracture. In the case of blinds, the risk of thermal stress fracture can never be fully removed, but it can be reduced by choosing light coloured blinds, positioning them as far away from the glass as possible, and including ventilation in the rooflight specification. More detailed guidance can be obtained upon request.



Toughened inner pane:

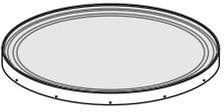
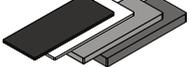
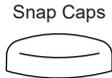
- Non-fragility - Rooflights with a toughened inner pane should be considered FRAGILE. It is the customer's responsibility to ensure a risk assessment has been carried out to define the measures required to prevent significant risk of falling through the rooflight, in compliance with the CDM regulations. For further information please see Rooflight Association NTD14.
- Overhead safety - British Standards set out the circumstances and locations when a toughened inner pane can be used, subject to satisfactory risk assessment. The Rooflight Association recommends that the inner pane should always be laminated glass, unless a stringent risk assessment has been undertaken which shows that use of a toughened glass inner pane does not give any additional risk to those below rooflights. For further information please see Rooflight Association inner pane. By choosing a rooflight with a toughened inner pane, customers acknowledge and accept responsibility for the associated risks, including the need to carry out a satisfactory risk assessment, and are responsible for ensuring a rooflight with toughened inner pane is appropriate for the intended application, which is beyond the control of the rooflight manufacturer.

① TECHNICAL SUPPORT: For any technical information/queries please contact your supplier.

Circular Glass

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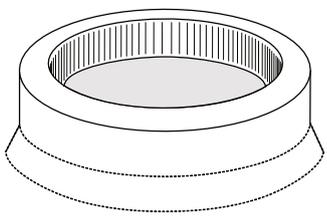
Circular Glass Rooflight on builders upstand

Contents	! Take care when unpacking	Check all correct parts are included and undamaged	Only use fixings supplied																			
 <p>Circular Glass Rooflight</p>	 <p>Plastic Packers</p>	 <p>Unit Fasteners</p>	 <p>Expanding Foam Tape</p>	 <p>Snap Cap Washers</p>  <p>Snap Caps</p>																		
				<table border="1"> <thead> <tr> <th colspan="2">Fixing Quantities</th> </tr> <tr> <th>Nominal diameter of Rooflight (mm)</th> <th>Number of fixings required</th> </tr> </thead> <tbody> <tr> <td>600</td> <td>6</td> </tr> <tr> <td>750</td> <td>7</td> </tr> <tr> <td>900</td> <td>9</td> </tr> <tr> <td>1050</td> <td>10</td> </tr> <tr> <td>1200</td> <td>12</td> </tr> <tr> <td>1350</td> <td>13</td> </tr> <tr> <td>1500</td> <td>14</td> </tr> </tbody> </table>	Fixing Quantities		Nominal diameter of Rooflight (mm)	Number of fixings required	600	6	750	7	900	9	1050	10	1200	12	1350	13	1500	14
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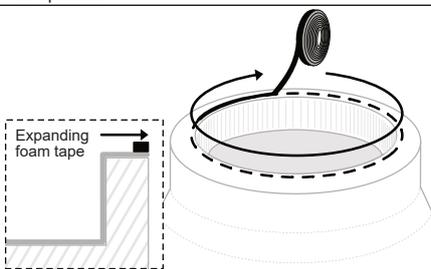
! All Health & Safety Regulations must be followed on site throughout the installation process

! **WARNING!** Flat glass units are heavy. Some units may require a mechanical lift.

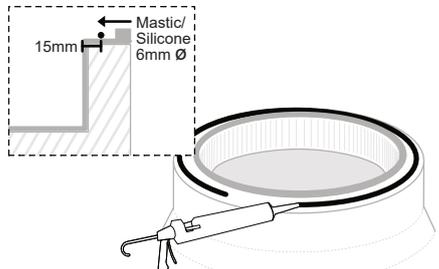
1 Prepare upstand in accordance with requirements on page 1



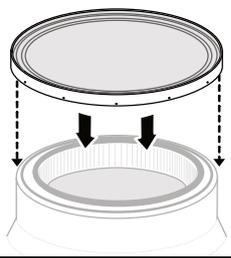
2 Apply expanding foam tape around top inside edge of upstand



3 Mastic/Silicone 15mm from the outside edge of upstand

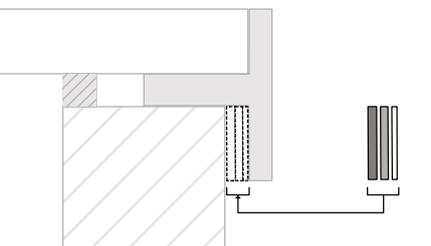


4 Place glass unit accurately on top of upstand

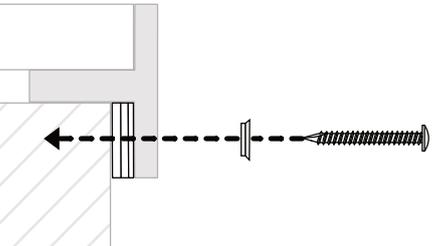


! Ensure equal overhang around perimeter

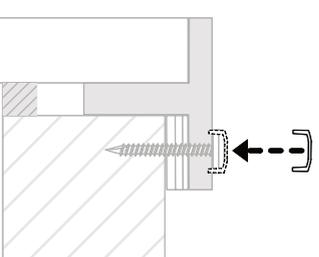
5 Place plastic packers to fill the gap between the frame and the upstand at screw holes



6 Screw in supplied unit fasteners through the snapcap washers and plastic packers



7 Fit snapcaps over the head of each fastener



! **TECHNICAL SUPPORT:** For any technical information/queries please contact your supplier.

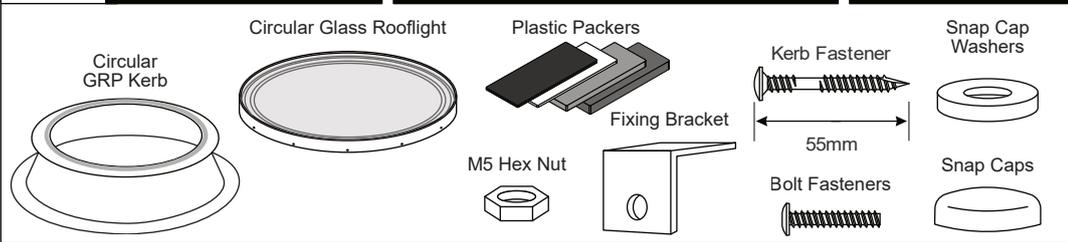
The manufacturer operates a policy of continuous product improvement, and reserves the right to alter specifications at any time without notice. Every effort has been taken to ensure all details contained in this document are correct at the time of going to press but this document should be used only as a guide and does not in any way form part of a contract or warranty. It is the customer's responsibility to ensure that the product is suitable for the actual conditions of use, which are beyond the control of the manufacturer.

Circular Glass

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Circular Glass Rooflight on GRP kerb

Contents **!** Take care when unpacking **!** Check all correct parts are included and undamaged **!** Only use fixings supplied



Kerb Fixing Quantities	
Nominal diameter of Rooflight (mm)	Number of fixings (minimum)
600	6
750	8
900	9
1050	10
1200	12
1350	14
1500	15

Equal spacing between fixings (approximately 300mm)

! All Health & Safety Regulations must be followed on site throughout the installation process

! **WARNING!** Flat glass units are heavy. Some units may require a mechanical lift.

1 Unit pitch

Circular Glass units are suitable for mounting at pitches of 2°-15°. A minimum pitch of 2° is required to prevent water ponding on the glass leading to rapid dirt build up.

1 Mastic/Silicone around the edge of the roof opening

2 Place kerb accurately over roof opening

3 Fit kerb to roof using 55mm kerb fasteners

! See fixing quantities table
! Do not overtighten fasteners

4 Install roof covering to cover kerb and in accordance with manufacturers installation recommendations

If required, lightly torch roof covering.

! NEVER apply direct heat or naked flame to the rooflight

5 Terminate roof covering at underside of kerb top

6 Place glass unit squarely on top of secured kerb

! Ensure equal overhang around perimeter

7 Place fixing bracket underneath kerb and rooflight at screw holes, facing the hole against the aluminium frame

8 Screw in supplied bolt fasteners through the snapcap washers, fixing bracket and M5 hex nut

! Tighten bolt using a 10mm spanner

9 Complete fixing glass unit to kerb repeating previous two steps

10 Fit snapcaps over the head of each fastener

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