

**INSTALL
IN 2 DAYS**

* Assumes 3-man fitting team



equinox

Tiled roof system

Installation guide

ISSUE 1



All together better

Equinox tiled roof system

Installation guide



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Pre-installation checks

The Equinox roof kit should be checked against the order acknowledgement provided by Eurocell. Before discarding any packaging, check all components are accounted for.

Prior to commencing any installation work, the size, type, and condition of all Equinox roof kits should be checked against the survey sizes.

When retro-fitting the Equinox tiled roof system, ensure the existing conservatory is structurally sound before conducting any installation work.

If in doubt

If in doubt at any stage, please contact our Customer Care Team on 0800 988 3047 for additional technical support or advice. Note an installation video is also available on Eurocell's YouTube page.

1. Installing the framework



- 1.1** Identify the ring beam and make sure the 100mm soffit board is fitted before fitting ring beam on to window frames as this cannot be fitted afterwards. Then remove protective film.



- 1.2** Use polypins to affix fascia board onto timber battens pre-assembled on the ringbeam, then remove protective film.



- 1.3** Slide the M6 x 30mm bolts along the fixing channel in the ring beam.



- 1.4** Where a box gutter is required, fix the pre-cut box gutter to the property wall with 7.5mm x 100mm Concrete Screws (not supplied) at 450mm centres before installing the ring beam.



1.5 Fix front edge of ring beam in line with front face of windows so that no bare aluminium is showing.

NOTE: For a 60mm frame, fix same way but ring beam will overhang 10mm on inside of window frame. This will later be covered with insulation.



1.6 Slide the next section of the ring beam together in to corner cleat.

Note: Corner cleats are factory-fitted to ring beam, to speed up installation time



1.7 Fix the corner cleat using the M6 self-tapping screws provided.



1.8 Once the ring beam is in place, screw up from the frame using self tapping baypole screws (not supplied) to secure.



1.9 Position the first two rafters against the wall to check position against existing conservatory. Mark these positions.



1.10 Tidy up any plaster above the marked lines.



1.11 Fit all main rafters as you would on a conventional conservatory roof. See the supplied roof layout for rafter and hip positions.



1.12 **Where there is a hip section**
Before installing the hip rafters, slide-on jack rafter fixing brackets (where required).



1.13 Slide hip rafters onto the ridge-end plate, affixing with 2 x M8 13mm x 25mm bolts (supplied) to complete the hip section.



1.14 Secure hips and standard rafters into ridge-end plate using 13mm bolts supplied.



1.15 Secure the jack rafters to the hip rafters with the brackets that were attached in Step 1.12 with M8 13mm x 25mm bolts (supplied)



1.16 Secure hips and jack rafters onto the ring beam using M6 10mm x 30mm bolts supplied.

2. Insulation and waterproofing



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- 2.1** Once all of the framework for the roof is assembled, start fitting the pre-cut 100mm insulation – this drops easily into the framework.



- 2.2** Once insulation is fully fitted, cover the entire roof with the pre-cut 12mm plywood. To fix onto hips and rafters, use 35mm nails or screws minimum (not supplied). To fix on to bottom of ring beam, use 38mm self-drilling screws (supplied).



- 2.3** Once the plywood is fitted and secure, cover the roof with a breathable membrane. Ensure at least 50mm of membrane runs over the edge of the roof (this can be trimmed back later).

3. Roof windows

Optional



- 3.1** Before installing the roof window, install the first course of tiles. Place the roof window in position and mark the position of the roof.



- 3.2** Cut the breathable membrane using a Stanley knife leaving at least 75mm on each side to side to overlap the outside of the frame (see inset).



- 3.3** Reposition the frame and mark the position of the roof window on the plyboard.



- 3.4** Cut the hole to size using a jigsaw.



3.5 Drop the roof window into place.
Ensuring the breathable membrane
covers the outside of the frame.



3.6 Install the roof window following
the manufacturer's instructions.

4. Tile application

Steel tiles only



4.1 When the roof is felted, tile application can commence. Hook the first row of tiles onto the ring beam.

Note: Follow these instructions for standard steel tiles only. If you have an Equinox roof with premium roof slates, go to page 12 for tile application instructions.



4.2 Begin to tile the entire roof, ensuring each tile is affixed with either screws or nails (minimum 35mm – not supplied) at the top of each tile. Use at least 4 nails or screws per tile.



4.3 Once the roof is fully tiled, we must lay framework to tiles the ridges. Using a ridge tile to set the width, fix timber battens over ridge and hip ready for the ridge tiles application.



- 4.4** Using a high quality flash band (not supplied – available from Eurocell branches nationwide), seal the ridge joints with a heat gun



- 4.5** Affix ridge tiles to timber battens and finish with end caps.



- 4.6** Complete the tiling by fitting the ridge moulding.

5. Tile application

Premium composite slates



5.1 Begin tiling along the roof edge, starting from the centre and work your way out, allowing for a 10mm overhang over the ring beam. Tiles should be nailed onto the plywood directly using 2 x 35mm galvanised steel nails. Tiles should be

aligned using the centre markers and gauge pre-marked on the tiles.

Gauge	Roof pitch
6"	14°-25°
6.5"	25°-27.5°
7"	27.5°-30°
7.5"	30° +



5.2 When you reach the ridge edges, you need to cut the tiles to shape and size to fit the ridges of the roof.

5.3 Using a high quality flash band (not supplied – available from Eurocell branches nationwide), seal the ridge joints with a heat gun and install the ridge tiles. For diagram, see figure 4.4 on page 11.

5.4 Affix ridge tiles using 2 x 35mm galvanised steel nails (not supplied).

5.5 Complete the tiling using ridge tiles.

6. Finishing off



- 6.1** Trim back the breathable membrane before inserting the gutter brackets into the ring beam at maximum 450mm centres.



- 6.2** Fix the guttering into position on the gutter brackets, taking care to seal the external angles



- 6.3** Affix corner trims onto fascia boards



- 6.4** Using quality lead-free flashing, create a soaker that forms a hidden gutter. Then reposition the existing flashing to complete the external installation



6.5 We advise carrying out a water test for both standard and premium tile installations. This should be done before internal work commences.

7. What next?



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To complete your Equinox installation, you will need to finish the roof off internally.

Please note: the materials to complete this part of the job are not supplied.

For a plastered finish:

To achieve 0.15 U-value

To meet Building Regulations in Scotland
Use a 65mm PIR insulation and plaster board

To achieve 0.18 U-value

To meet Building Regulations in England and Wales
Use a 50mm PIR insulation and plaster board

Optional downlights (not supplied) can be installed before decorating is undertaken.

Alternatively, tongue and groove effect is popular among customers.

