

1
By: Roofspace

Cassette (ventilated) roofing system: Manufacturer to provide opening to suit Exallot Classic v3 Dormer, complete with breather membrane and 50x25mm counter battens to rafters, ready to accept tiling battens. 100x50mm side flange support battens to be included to each side, to suit dormer flange lengths for the plot.

2
By: Roofspace

Install the dormer to the correct position on the opening. Dormer side frames to be internally fixed to rafter using 100x75mm gang nail plates at maximum 600mm centres (Minimum 3 No plates per side).

Side flanges may remain resting and are **NOT** to be screw-fixed down into roofing battens. These are to be fixed down by the roof-tiler, **AFTER** wrapping of roof membrane around dormer side battens (See Details 'A' & 'B').

3
By: Roofer

Install roofing membrane, ensuring that the membrane is turned/wrapped directly beneath the dormer side flanges to create an upstand against water ingress. **IF THE MEMBRANE IS NOT CORRECTLY DRESSED BENEATH THE GRP FLANGES, IT WILL NOT BE EFFECTIVE** - See DETAILS A & B.

Roofer to supply and install battens to side flange, with the membrane correctly wrapped and fixed down with suitable screws & washers (to avoid GRP damage) at 450mm centres.

Detail 'A'

Detail 'B'

4
By: Roofer

Fit an additional 400-1000mm strip of roofing membrane over the rear dormer flange, extending 400mm minimum either side of the dormer and lapping over the top dormer flange by a minimum of 150mm. Main roofing membrane is to lap over this lapping strip, to the upper dormer flange (Overlap distance to roofing membrane manufacturer's instructions).

5
By: Roofer

Roofer to lay and secure tile fixing battens as required. Battens along the cheek faces to terminate at side flange battens (See Detail 'B'). Tile roof fully, with the last tiles to the dormer's side cheeks being cut and fixed in accordance with Details 'A' & 'B'.

Follow-on Trade: Install 75-150mm wide OSB strip tiling fillet/transition ramp to front, suitably sized & located to support the full width of the lead apron.

6
By: Trade/Builder

Apply PU spray foam insulation, to fill any insulation gaps across the full width, at upper rear of dormer. (Minimum insulation thickness of 100mm from GRP skin)

Insert self-adhesive foam strip, to close aperture (each side of dormer front face)

Lead apron, dressed over tiles to dormer front

Dress lead apron to dormer front, and insert supplied 2 No. self-adhesive foam baffle strips to apertures (cut length to suit).

Apply PU Spray foam insulation to fill ALL gaps across the FULL width of dormer, at the upper rear interface. Insulation must be present to a minimum thickness of 100mm from the GRP skin internal face.

Roofer's Guidance: Dormer Side Flange Fixing

NOTE: ALL fixings into GRP elements are to be screw fixings and **NOT** nailed.

If Tiler's battens are excessively forced into the GRP side flange before this is fixed down, then this can distort the GRP causing the side flange to move upwards. If side flange fixings are forced down in this condition, then GRP cracking may occur. Trim & refix battens, to correct. GRP flange height offsets should be brought down evenly across the side flange length by screwing down in increments of 5 to 6mm per fixing point, to avoid excessive stress on the GRP side flange which *could* cause cracking.

With side/stopping batten correctly wrapped and secured, the GRP side flange is properly restrained to prevent 'rising' when tiling battens are run perpendicular, into the dormer sides. GRP side flange will fix down correctly without the risk of cracking.