

Modern, Duo Modern and Domino

- 1 Felt and batten roof in the normal manner ensuring the tiling battens are gauged at 340 – 345mm for Moderns and 349 – 354mm for Domino.
- 2 Solesia PV modules are fully integrated with the roof tiles and are laid right to left in the normal way.
- 3 Ensure all tiles laid adjacent to the PV modules, at the periphery of the PV array, are head fixed using stainless steel 50mm x 3.5mm 'Poqidrive' screws for Solesia Modern or dedicated 'Zial™' steel head clips for Solesia Domino.
- 4 Fix the Modern / Domino tiles below the lowermost Solesia PV module course using the stainless steel screw or 'Zial™' clip head fixings and appropriate eave / tail clips.
- 5 At the lower underside edge of each bottom course of Solesia PV modules, push firmly home the four tail clips into slots in the aluminium base tray.
- 6 Align the Solesia PV module with the roof tiles to maintain either straight, half or quarter bond and slide the bottom of the module over the top of the course of tiles below ensuring the tail clips are pushed firmly home over the head of the tiles below. The tail of the PV tile is now secured to the heads of the tiles below.
- 7 Tile into the right hand edge of the Solesia PV module using either a half or full tile and secure the head using a 50mm x 3.5mm 'Poqidrive' stainless steel screw or 'Zial™' head clip (Domino Only).
- 8 Using the Solesia PV module stainless steel screws supplied, secure the head of the PV module to the tiling batten through the four holes located at the top of the aluminium base tray, ensuring the two flying cables are not trapped by the batten.
- 9 As required, interlock further PV modules from right to left along the tiling batten using the same fixing method.
- 10 To maintain the appropriate bond for the tiles laid adjacent to the extreme left hand side of the PV modules either a full or half tile may be required. These tiles need to be both head fixed using s/s screws or using standard 'Zial™' clips
- 11 Before starting to install the second course of Solesia PV modules ensure the cabling is fed between the tiling batten and underlay and the appropriate connector is fitted to the corresponding connector from the PV module in the course above.
- 12 Position the Solesia PV module above to create the correct bond pattern and slide it down over the module below so that the slots along the underside leading edge engage fully into all four top clips in the PV module below. The slots and top clip positions help to pre-determine the bond pattern.
- 13 Fix the head of the Solesia PV modules in four places with the stainless steel screws supplied, ensuring the two flying cables are not trapped by the batten.
- 14 Continue to lay the PV modules in the same way across and up the roof in accordance with the cabling plan.
- 15 Along the top flange of the top course of PV modules, fix the additional foam strips supplied, and bend down the four top clips to avoid fouling the tile course above.
- 16 To complete the PV module array as per the cabling plan ensure the flying cable from each top course PV module is connected to the corresponding cable from the adjacent module to the left using the 2 metre cable supplied.

- 17 Fit an additional tiling batten immediately above the uppermost Solesia PV module and fix the course of roof tiles above the PV modules by securing with a stainless steel screw or 'Zial™' clip at the head and with a tile clip at the tail fixed to the supplementary tiling batten.
- 18 Complete the remainder of the roof tiling in the normal manner, taking care not to traverse the installed Solesia PV modules.



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Fixing instructions

Technical Advisory Service

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