

PLAIN EASY

FITTING GUIDE

FEATURES AND BENEFITS

- ✓ Low pitch system for traditional double-lapped plain tiles.
- ✓ Pitches as low as 17.5°.
- ✓ Extends the boundaries of design for plain tile application.
- ✓ Protects the roof by keeping the battens dry.
- ✓ Suitable for traditional tiling methods, does not affect the final appearance of the roof.
- ✓ Can be installed with any traditional plain tile (single or double camber).
- ✓ 40-year product guarantee. Please see overleaf for more details.

INSTALLATION GUIDANCE

Prior to Installation: If using the PLAIN EASY system with handmade, reclaimed and/or imported tiles, or you are unsure about the compatibility of your specified tile, please contact our technical team using the details below prior to installation.

An Eave Support Tray should be installed as standard (Fig 1).

Please Note: To introduce the appropriate elevation to support the eaves tile course, an adjustment to the fascia board may be necessary.

Install PERMAVENT DRY+ vapour-permeable membrane, as per the supplied fitting instructions with a minimum 225mm horizontal lap, restrained using the products integrated tape system. Tape the membrane to the eave support tray.

Unroll PERMAVENT BUTYL TAPE (Fig 2) following the rafter line and adhere to the roofing underlay. This will improve waterproofing of the batten fixings. Install a vertical 50mm x 25mm counter batten, again following the rafter line above the PERMAVENT BUTYL TAPE and install 38mm x 25mm treated and graded batten in the normal manner (Fig 3).

Place the first strip of PLAIN EASY on top of the eave tiles and fix with 2 non-ferrous nails in the batten of the first full tile course (Fig 4).

Along the tile course, PLAIN EASY should be lapped at the side by 75mm.

Using snips or a sharp knife cut and remove the top corner of PLAIN EASY up to 75mm long and 15mm deep. This cut prevents the lap from 'kicking up' the tile that is placed over the lap.

Apply a line of high-performance sealant and close the lap firmly to seal the tray overlap in place (Fig 5). Nail in place and continue the process on every additional course, until the ridgeline or top abutment is reached installed in accordance with the manufacturer's instructions and traditional application (Fig 6).

Please Note: PLAIN EASY is designed for nails to be directly fixed through it and into the batten.

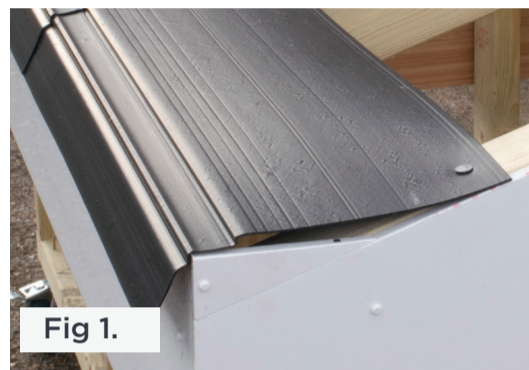


Fig 1.



Fig 2.



Fig 3.

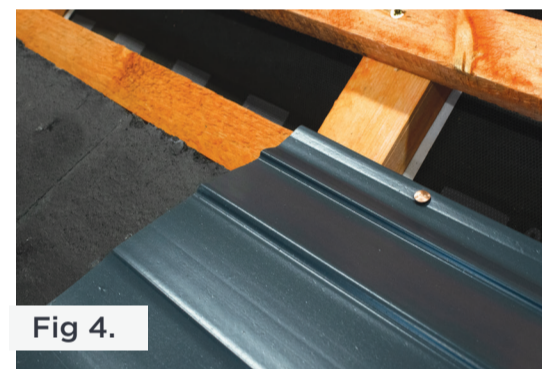


Fig 4.



Fig 5.

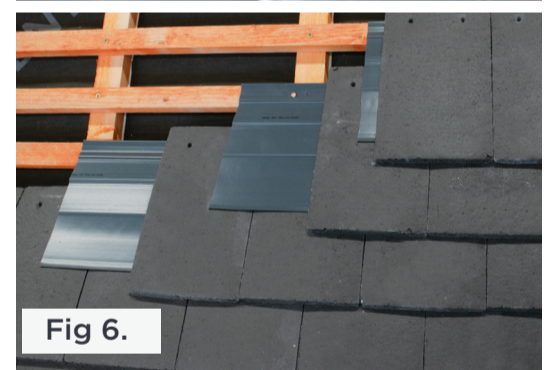


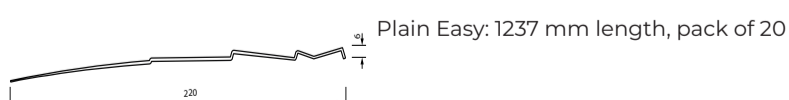
Fig 6.

A course of eaves/top tiles should be used on the final course prior to the ridge or cover flashing being installed. Plain tiles should always be installed in a broken bond arrangement, with Tile and Halves always used. Do not use cut tiles that are less than 125mm wide.

PLAIN EASY must be sealed when finishing against side abutment walls and chimneys etc. where soakers are required. Permavent DRY + should be turned up the abutment by not less than 50 mm under the flashings.

To avoid water ingress at low pitch, a traditional lead soaker detail should be installed on all side-abutments.

PLAIN EASY DIMENSIONS AND PACK QUANTITIES



Plain Easy: 1237 mm length, pack of 20



COVERAGE: 1 length of PLAIN EASY will protect approx. 7 tiles.
8.5 lengths of PLAIN EASY required per m² (at 100mm gauge).
1 pack of 20 lengths covers 2.35m².
1 tube of sealant will secure approx. 55 lap joins (55 lengths)

CONTACT INFORMATION

For product, technical and sales support please contact Permavent on:
Tel: (+44) 1305 766 703. Email: enquiries@permavent.co.uk



Please scan this QR code to find the contact information for your regional Permavent Representative.

For guarantee criteria, application & design considerations, please see overleaf.

APPLICATION CONSIDERATIONS

- ✓ A line of PLAIN EASY should be inserted directly under every course of whole tiles and continued up the roof.
- ✓ Below 20° the 'perps' (perpendicular abutment join) must be closed.
- ✓ Above 20°, the perp join should never be any wider than 4mm.
- ✓ The maximum rafter length of a roof installed with PLAIN EASY should be 5.5m and if exceeded, please contact the Permavent Technical Team for further guidance.
- ✓ Where PLAIN EASY trays meet a hip, the trays should be mitred to follow the hip line.
- ✓ Bonnet Hip Tiles should not be used at a roof pitch where the top of the bonnet is positioned so that it runs backwards into the roof.
- ✓ Top Edge Abutment: A cover flashing should extend down the roof by a min 200mm. The front edge should be sealed using specialist tape or high-performance sealant and tabbed in place as per recommendations from the Lead Sheet Association.
- ✓ Valley: Standard and centre upstand GRP valley details are acceptable. The PLAIN EASY tray should be cut to the rake of the valley and finish 20mm from the edge of the tile. Lead valleys should be a minimum of 450mm wide and must incorporate a raised tilt fillet and back welt in accordance with Lead Sheet Association details.
- ✓ Roof Lights: Ensure flashing kit units are compatible with the specified plain tile and will remain waterproof at the installed roof pitch.
- ✓ Ventilation: To be installed in accordance with BS5250:2021, please contact Permavent Technical Team for any support.

DESIGN CONSIDERATIONS

- ✓ Do not discharge a downpipe directly onto a low-pitch roof.
- ✓ Prior to installation, when using reclaimed tiles, it is good practice to clean and treat roof tiles to prevent moss growth. The roof should also be maintained to avoid moss growth after installation.
- ✓ PLAIN EASY is compatible with single-camber clay or concrete plain tiles where the manufacturer would recommend a 35° pitch or higher, installed to pitches as low as 17.5°.
- ✓ PLAIN EASY is compatible with machine-made double-camber plain tiles where the manufacturer would recommend a 40° pitch or higher, installed to pitches as low as 22.5°.

END USER CONSIDERATIONS

The PLAIN EASY system is an intuitive and maintenance free solution for low pitch tiled roofing and when installed correctly, requires little to no ongoing maintenance.

However, excessive build-up of leaves and debris resulting in the growth of moss and algae on roofs will generate additional moisture on the roof and this can cause serious structural damage. On low pitch roofs this will affect the performance of the weather tightness of the slate or tiles.

To prevent this from happening, it is important that the end user clears any leaves, moss and/or algae growth off the roof on a regular basis.



EASY ROOF SYSTEM 40 YEAR GUARANTEE

We are so confident that our products are of the highest quality that we offer a 40-year product guarantee against the waterproofing integrity of the roof structure, providing the following criteria is met:

- ✓ The installation must be installed as per the manufacturer's instructions and in accordance with BS5534:2014 + A2:2018.
- ✓ The specified membrane must be PERMAVENT DRY+.
- ✓ The specified tape must be PERMAVENT BUTYL TAPE.
- ✓ The contractor must record both in-progress and completed project images to be supplied alongside invoices at time of guarantee application.
- ✓ Guarantee applications must be submitted no later than 1 month after project completion.

To submit a guarantee application please scan the QR code or visit: www.permavent.co.uk/guarantee.

