

EASY SLATE

FITTING GUIDE

FEATURES AND BENEFITS

- ✓ Low pitch system for natural and fibre cement slate.
- ✓ Pitches as low as 12° for natural slate and 10° for fibre cement slate.
- ✓ Extends the boundaries of design for slate application.
- ✓ Protects the roof by keeping the battens dry.
- ✓ Suitable for traditional slating methods, does not affect the final appearance of the roof.
- ✓ Can be installed with the vast majority of slates.
- ✓ 40-year product guarantee. Please see overleaf for more details.

INSTALLATION GUIDANCE

Prior to Installation: The following guidance is provided for an EASY SLATE installation, installed on an unsupported roof structure (traditional rafters). EASY SLATE is also compatible with fully supported and sarking applications, please get in touch with the Permavent Technical Team for further information.

If you are unsure of the suitability of your specified slate, 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 weatherproofing of the batten fixings.

Install a vertical 50mm x 25mm counter batten, again following the rafter line above the PERMAVENT BUTYL TAPE and install horizontal treated and graded slating batten in the normal manner (Fig 3).

Lay the slate eaves/starter course in the traditional way (Fig 4).

The EASY SLATE should then be installed underneath the first full length slate, up to the strips central line (Fig 5). The next slate will then be placed over the other half of the EASY SLATE strip (Fig 6).

Always ensure that the flexible seals of EASY SLATE are leaning towards the side edge of each slate. The flexible seals prevent water running back under the slate (Fig 7 & Fig 8).

When EASY SLATE is in position, nail the slate down as normal. This secures EASY SLATE in place.

Continue to slate across the roof, using one EASY SLATE for each slate used.

Please get in touch for installation and technical support prior to installing Easy Slate on a complex roofing project and/or for complex slating techniques.

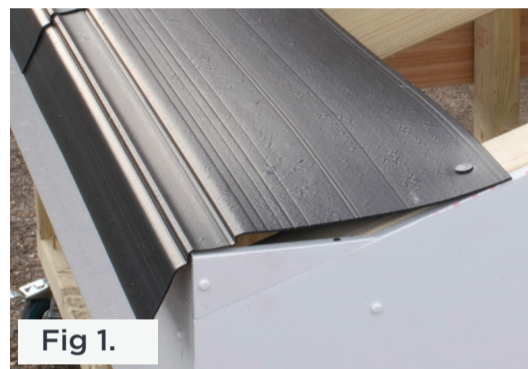


Fig 1.

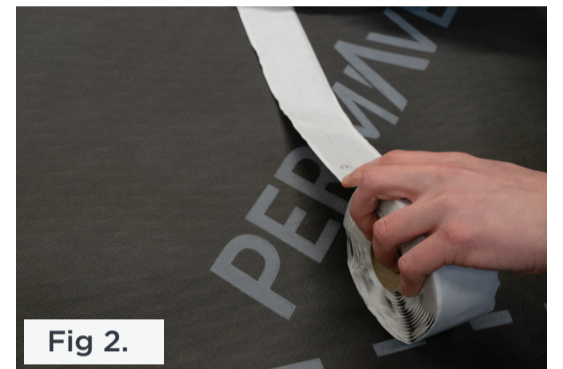


Fig 2.

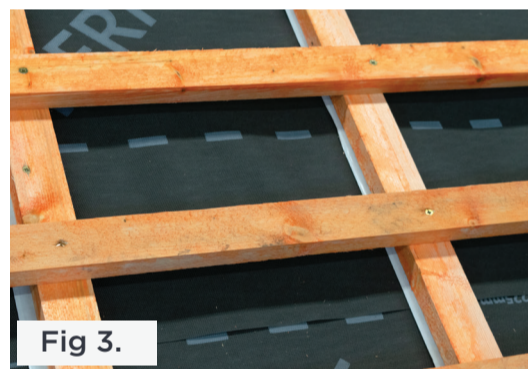


Fig 3.

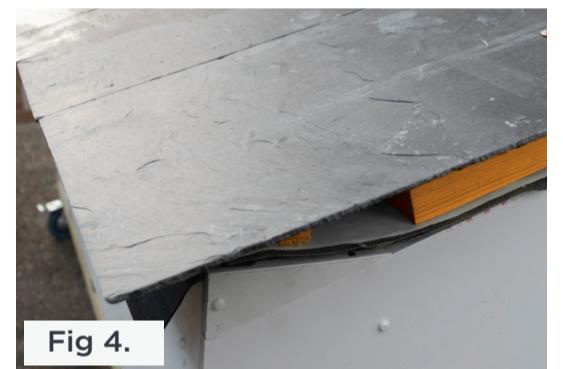


Fig 4.



Fig 5.



Fig 6.

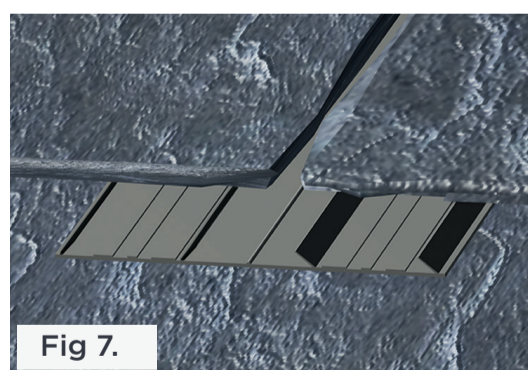


Fig 7.

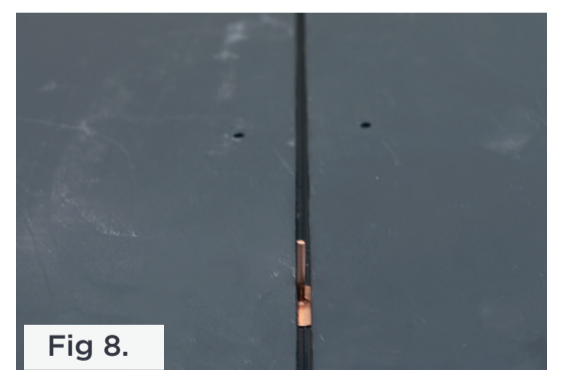
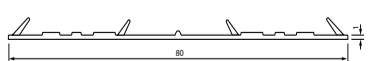


Fig 8.

EASY SLATE DIMENSIONS AND PACK QUANTITIES



Easy Slate 400: 400mm length, box of 100
Easy Slate 500: 500mm length, box of 100
Easy Slate 600: 600mm length, box of 100
Easy Slate 1200: 1200mm length, box of 50



COVERAGE:
For full coverage guidance and headlaps for both moderate and severe exposure, please refer to the tables overleaf.

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.

PERMAVENT

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APPLICATION CONSIDERATIONS

- ✓ The roof should be installed in the traditional way, with the addition of the EASY ROOF SYSTEM products where required.
- ✓ EASY SLATE lengths that are longer than the slate can be used. It can either be cut down or left long.
- ✓ However, you can not use an EASY SLATE length that is shorter than the slate length.
- ✓ Use one EASY SLATE for each slate that is installed.
- ✓ When installing with natural slates, these should be sorted and graded, installed as per requirements set out in BS 8000:2013.
- ✓ All surfaces must be clean and free of any moss coverage prior to installation.
- ✓ Suitable for the Scottish practice method of nailing slates directly to a sarking board.
- ✓ Copper rivets can be installed in conjunction with EASY SLATE.
- ✓ Slate hooks must not be used below 25° as per BS 5534:2014+A2:2018 Slating and tiling for pitched roofs and vertical cladding. Code of practice.
- ✓ Do not install EASY SLATE directly over the top of any other EASY ROOF SYSTEM product.
- ✓ Roof Lights: Please check roof light suitability prior to installation. EASY SLATE lengths should not interface with flashing kit units.
- ✓ Ventilation: To be installed in accordance with BS 5250:2021, please contact Permavent Technical Team for any support.



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 BS 5534:2014+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.

UK EXPOSURE & HEADLAPS

The charts show the minimum pitch and head lap for slates that can currently be installed in the UK (BS5534:2021).

By using the EASY ROOF SYSTEM it is now possible to install natural and fibre cement slates on any roof and exclusively to those marked ✓.

MODERATE EXPOSURE less than 56.5l/m² per spell

Size, mm (nominal)	Minimum Rafter Pitch										
	10°	12.5°	20°	22.5°	25°	27.5°	30°	35°	40°	45°	85°
600 x 300	✓	✓	✓	✓	95	85	80	70	60	55	-
500 x 300		✓	✓	✓	95	85	80	70	60	55	-
500 x 250		✓	✓	✓	95	85	80	70	60	55	50
450 x 250		✓	✓	✓	✓	✓	80	70	60	55	50
400 x 250		✓	✓	✓	✓	✓	80	70	60	55	50
400 x 200		✓	✓	✓	✓	✓	80	70	60	55	50
350 x 250		✓	✓	✓	✓	✓	80	70	60	55	50
350 x 200		✓	✓	✓	✓	✓	80	70	60	55	50
300 x 200		✓	✓	✓	✓	✓	80	70	60	55	50

DESIGN CONSIDERATIONS

- ✓ Do not discharge a downpipe directly onto a low pitch roof.
- ✓ Prior to installation, when using slate, it is good practice to clean and treat slates to prevent moss growth. The roof should also be maintained to avoid moss growth after installation.
- ✓ The EASY ROOF SYSTEM uses our unique patented seal technology, which seals against the back of the slate. The best performance is achieved using smooth slates.
- ✓ To complement the EASY ROOF range, we also offer unique and discreet dry-fix solutions; EASY VERGE, EASY VERGETRIM, EASY VALLEY, EASY SOAKER & SOAKER SINGLE. Please visit our website or contact the Permavent Technical Team for more information.

END USER CONSIDERATIONS

The EASY SLATE system is an intuitive and maintenance free solution for low pitch slate 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.

COVERAGE: SLATES PER M²

Lap, mm	Size, mm (nominal)								
	600 x 300	500 x 300	500 x 250	450 x 250	400 x 250	400 x 200	350 x 250	350 x 200	300 x 200
50	11.9	14.6	17.4	19.6	22.4	27.9	26.1	32.5	39.0
60	12.1	14.9	17.8	20.1	23.1	28.7	27.0	33.6	40.7
70	12.4	15.2	18.2	20.6	23.8	29.6	28.0	34.8	42.4
80	12.6	15.6	18.7	21.2	24.5	30.5	29.0	36.1	44.3
85	12.7	15.8	18.9	21.5	24.9	31.0	29.6	36.8	45.4
90	12.9	16.0	19.1	21.8	25.3	31.5	30.2	37.5	46.5
95	13.0	16.2	19.4	22.1	25.7	32.0	30.8	38.3	47.6
100	13.1	16.4	19.6	22.4	26.1	32.5	31.4	39.0	48.8
105	13.2	16.6	19.9	22.7	26.6	33.1	32.0	39.8	-
110	13.4	16.8	20.1	23.1	27.0	33.6	32.7	40.7	-
115	13.5	17.0	20.4	23.4	27.5	34.2	-	-	-
120	13.7	17.3	20.6	23.8	28.0	34.8	-	-	-
130	14.0	17.7	21.2	24.5	29.0	36.1	-	-	-
150	14.6	18.7	22.4	26.1	-	-	-	-	-



SEVERE EXPOSURE 56.5l/m² or greater per spell

Size, mm (nominal)	Minimum Rafter Pitch										
	10°	12.5°	20°	22.5°	25°	27.5°	30°	35°	40°	45°	85°
600 x 300	✓	✓	✓	✓	✓	✓	100	90	80	70	-
500 x 300		✓	✓	✓	✓	✓	100	90	80	70	-
500 x 250		✓	✓	✓	✓	✓	100	90	80	70	65
450 x 250		✓	✓	✓	✓	✓	100	90	80	70	65
400 x 250		✓	✓	✓	✓	✓	100	90	80	70	65
400 x 200		✓	✓	✓	✓	✓	100	90	80	70	65
350 x 250		✓	✓	✓	✓	✓	100	90	80	70	65
350 x 200		✓	✓	✓	✓	✓	100	90	80	70	65
300 x 200		✓	✓	✓	✓	✓	100	90	80	70	65