

PERMAVENT DRY+

High
Performance
Vapour
Permeable
Membrane

220
grams

1.0x50m (50m²)
11.1 kg

TECHNICAL DATA

Permavent Vapour Permeable membranes are suitable for use in all applications as described in BS 5250 and BS 5534.

For use on all types of domestic and commercial roofing and walling applications, including:

- ✓ TRADITIONAL COLD & WARM ROOF
- ✓ HYBRID ROOF
- ✓ SCOTTISH PRACTICE/ BOARDED APPLICATIONS



UK Wind Zones

1-5
taped lap

1-5
battened lap



Weight, g/m ²	220
Water tightness, class	w1
Water vapour transmission (sd), m	0.02
Maximum tensile force (MD), N/50mm	490
Maximum tensile force (CD), N/50mm	310
Elongation at max. tensile force (MD), %	60
Elongation at max. tensile force (CD), %	90
Resistance to tearing MD (nail shank), N	260
Resistance to tearing CD (nail shank), N	385
UV Stability, months	3
Reaction to fire, class	E

For installation guides on all our products, please visit our website
[PERMAVENT.CO.UK](https://www.permavent.co.uk)

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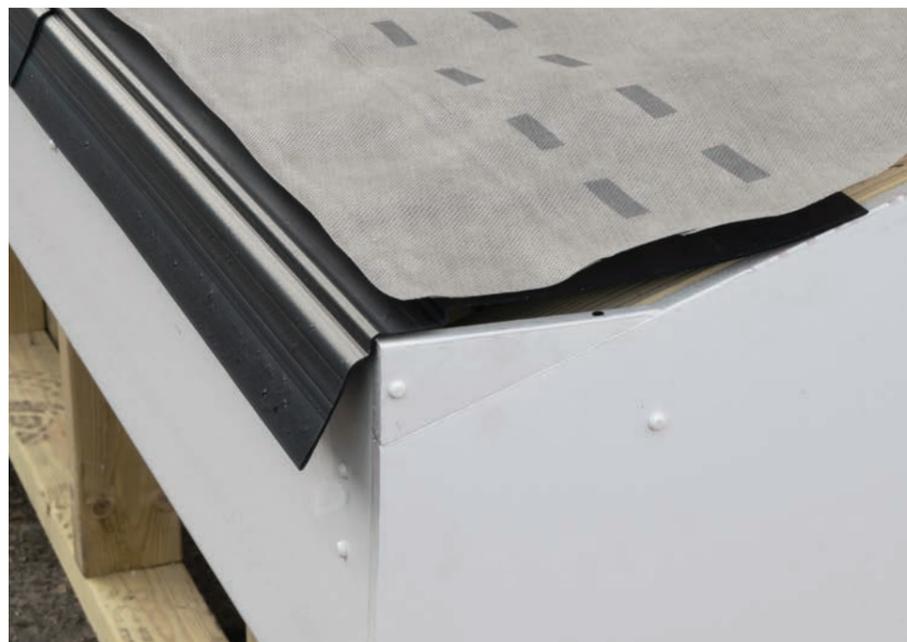
Permavent Vapour Permeable membranes must be installed in accordance to BS 5534:2014 + A2:2018 Code of Practice. The installer must ensure compliance with all building regulations: BS 5250:2021 Management of Moisture in Buildings.

Permavent Vapour Permeable membranes are designed as a secondary barrier to wind driven rain / snow and should not be considered a primary waterproofing layer. Whilst they can withstand UV exposure for up to 3 months, it is best practice to install the primary waterproofing finish (e.g. slates, tiles etc) as soon as possible.

Permavent Vapour Permeable membranes must be installed the correct way up, with the Permavent logo printed side uppermost. For tile and slate roof applications Permavent Vapour Permeable membrane should be laid horizontally across the rafters starting at the eaves and secured in place with either batten or membrane tape.

The minimum horizontal laps for Permavent Vapour Permeable membranes, in accordance to BS 5534:2014 + A2:2018, are:

Rafter Pitch	Not Fully Supported	Fully Supported
12.5° - 15°	225mm	150mm
>15°	150mm	100mm



1. Lay the first layer of PERMAVENT DRY+ over the underlay support tray ensuring it finishes level with the top of the fascia and with a maximum 15mm drape between the rafters. Fix membrane to rafter with large headed tacks.

Valleys

Other than for sheet metal valleys, a continuous strip of membrane should be laid down the valley and the membrane at the sides should overlap by no less than 300 mm.

On continuously supported valley linings, such as lead and other metals, the membrane should be cut to rake and lap onto the valley lining by no less than 50 mm but not beyond the tilt fillet.

Hips

The membrane from one side of a hip should overlap the membrane from the other side by not less than 150 mm beyond the junction line. The head-lap of the membrane at the hip line should be not less than 150 mm.

Verge

Membrane intended for use on bedded verges should lap onto the outer skin of the brickwork by 25 mm to 50 mm or, in the case of an overhanging verge, onto a flying rafter.

Where proprietary verge tiles or systems are specified, detailing should be in accordance with those manufacturers' recommendations that are relevant to UK conditions of use.

All penetrations to the membrane should be suitably sealed to prevent water ingress.

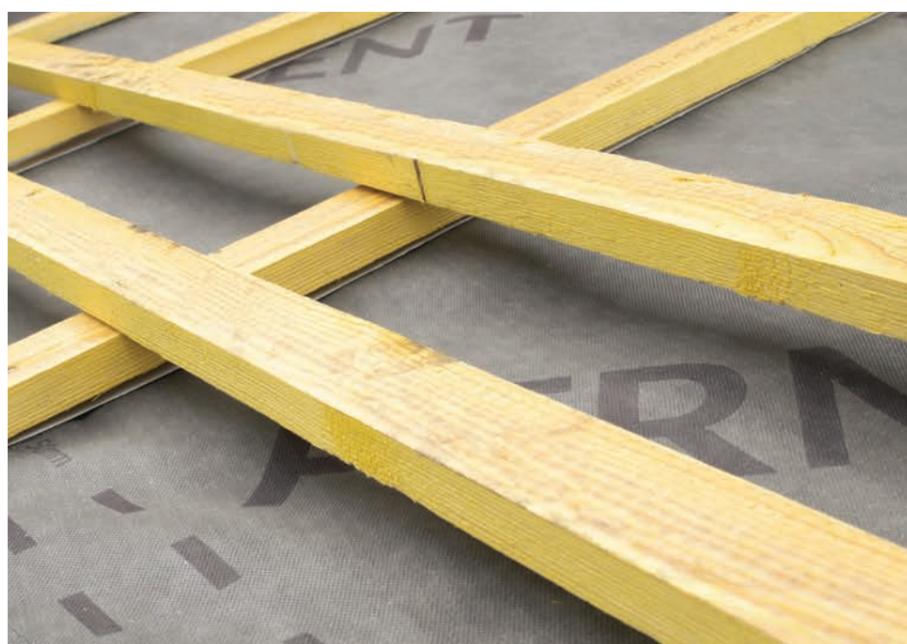
For additional security against water leakage through nail holes where membranes are not self-sealing, butyl tapes can be used.



2. Pull off PERMAVENT DRY+ adhesive tape cover and adhere to the membrane support tray.



3. Install 50mm PERMAVENT BUTYL TAPE down the rafters to seal any nail penetrations and install counter battens on top of the rafters.



4. Install battens on top of counter battens and lay next layer of PERMAVENT DRY+ with a 225mm head lap so the two adhesive strips meet.



5. Peel back adhesive tape on the two strips sticking the two layers of PERMAVENT DRY+ together.

Specification Clause:

Vapour Permeable underlay to be Permavent DRY+ supplied by Permavent Ltd 11 Cumberland Drive, Granby Industrial Estate, Weymouth, Dorset DT4 9TB. Email: enquiries@permavent.co.uk. Vapour Permeable underlay to be of triple ply construction, 220gsm with waterproof and vapour-permeable core laminated and protected between two layers of non-woven spun-bonded polypropylene to achieve a hydrostatic head of water more than >2.0m. Tensile strength to be equal or greater than MD N/50mm: 480, CD N/50mm: 310. Resistance to wind uplift: unrestricted use at 345mm batten gauge zones 1- 5 when taped. Vapour Permeable underlay to be laid unsupported or fully supported in accordance with BS5534:2014+A2:2018 and to manufacturer's instructions.