



Installation

Permo[®] air should be laid in accordance with our installation details set out in the BBA approved certificate.

An unsupported underlay should provide a drape between rafters sufficient enough to ensure that any water will run away from the batten fixing nail penetrations at rafters, and allows it to drain to the eaves gutter.

Contact between the membrane and the roof covering should be avoided during and after installation. Permo[®] air should be laid with a maximum drape of 15mm.

Permo[®] air, a low resistance air-open underlay. It is the ideal solution where there is a high risk of condensation forming in the roofspace.

Product features & benefits

- Lowest vapour resistance of all breathable membranes
- No ventilation required
- Available in 2 widths: 1.5 x 50m & 1m x 50m
- Hydrophobically treated
- Type LR underlay
- Strong 3 layer material
- Recyclable
- UV stable for 4 months
- Superior nail tear strength

Area of application

- Cold and warm roof applications
- Being both air open & vapour permeable further minimises the risk of condensation forming, particularly during the drying out period of a building
- Batten spacing 350mm

UK Wind Zone map

Permo[®] air zones 1-3 at maximum overlap batten gauge and all zones with Permo[®] TR plus tape.

Material

Permo[®] air is a strong 3 layer product consisting of UV stabilised PP fleece and a high performance Meltblown layer.

Roll size / Roll weight / Packaging

50m x 1.00m (50m²) / 8kg / 20 rolls/pallet

50m x 1.50m (75m²) / 12kg / 20 rolls/pallet

Product code

KU0045-1 (50m x 1.0m) / KU0045-15 (50m x 1.5m)

Certification

- CE certified
- BBA certified

Related products

To protect the Permo[®] air at the eaves and to prevent ponding, Underlay Support Trays are available along with a range of adhesive tapes. Eaves closers are available for counterbattened roof structures. Wallint[®] 50 and Wallint[®] solar air barriers and vapour control layers.

TECHNICAL DATA

Weight EN 1849-2	160g/m ²	
Water vapour resistance BS 3177	0.045 MNs/g	
Resistance to water penetration, EN 1928	W1	
Resistance to air penetration/wind loads	>2.5 kPa	
Tensile strength longitudinal / transverse, BS EN 12311-1	280N/40mm	200N/40mm
Resistance to tearing (nail shank) longitudinal, BS EN 12310-1	140N	130N
Reaction to fire, EN 13501-1, EN 11925-2	E	
Resistance to temperature	-40°C to + 80°C	
UV exposure*, EN 13859-1	4 months	

*The Underlay can be used to provide temporary weather protection; however an exposed underlay will be subjected to UV light which may lead to premature failure; therefore, the exposure period should be kept to a minimum. An underlay is not a total waterproof barrier and if used as a temporary waterproof covering, some rain penetration may occur. In certain conditions, particularly if there is persistent heavy rainfall combined with subsequent severe freeze/thaw conditions, an underlay should not be exposed for more than a few days. (BBA)

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