



## A cost-effective breathable roof membrane.

Permo Ecovent is Klobber's economy roof underlay solution for pitched roofs. The three-layer, vapour-permeable roof membrane allows the roof structure to breathe and is available with or without self-adhesive tape. The integral self-adhesive tape creates a strong and durable airtight seal to reduce energy loss. Permo Ecovent is BBA approved for cold and warm roofs.



## PERMO ECOVENT

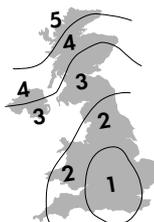


### Features and benefits

- A strong three-layer membrane, which is breathable and lightweight.
- Available with or without self-adhesive tape, which creates a strong and durable water and air tight seal, to reduce energy loss and provide strong protection against winds.
- BBA approved low resistance membrane.

### Area of application

- Suitable for Cold and Warm Roofs.
- All wind zones with taped headlap.
- Wind zones 1-2 with battened headlap.



(Wind zones shown are for a 345mm batten gauge.)

### Related products

- Underlay Support Tray KP973910
- Permo Tape KU0121-1
- Tacto Tape KU0111
- Over Fascia Vent KP965200 / KP964300
- Roll Out Rafter Tray, all sizes.

### Approvals and certifications

- BBA approved (cold vented / warm non vented and cold non vented).
- CE.
- All products supplied by Klobber Ltd are covered by a 10 year guarantee against manufacturing defect.



### Technical guidance

Material	Outer layers of polypropylene and inner layer of microporous polyethylene film.	
Colour	Grey	
BBA Certificate Number	00/3749 and 99/3622	
Weight g/m <sup>2</sup> EN 1849-2	110	
Water vapour transmission (SD value) EN 12572	0.03m	
Resistance to water penetration EN 1928	W1	
Tensile strength MD/CD (N/50mm) EN 12311-1	200/135	
Nail tear strength MD/CD (N) EN 12310-1	135/160	
Elongation MD/CD (%) EN 12311-1	70/80	
Fire rating EN 13501-1 EN11925-2	E	
Resistance to temperature	-40°C to +80°C	

### Product information

Product code	Description	Width m	Length m	m <sup>2</sup>	Weight Per Roll kg	Pallet quantity
KU0039-2		1.1	50	55	6	35
KU0039-2-15		1.5		75	8.25	30
KU0039-2-11-15	with tape	1.5		75	8.25	30

\*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)