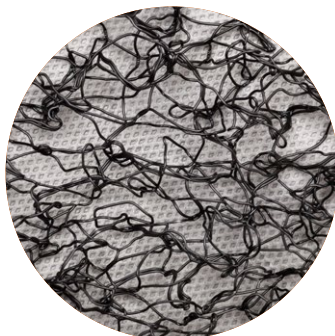




## A vapour-permeable waterproofing barrier for metal roofs.

Permo Sec Metal is a vapour-permeable waterproofing barrier that is installed as a separating layer between copper, zinc, aluminium and stainless steel standing seam roof finishes and the supporting deck. The waterproof barrier prevents condensation that occurs on the underside of the metal roof covering from re-entering the roof structure. Any build-up of moisture between the outer metal roof covering and the Permo Sec Metal will be channelled safely to the eaves due to the nature of the 8mm mesh outer layer. Additionally, it has an acoustic value of 8db, to help reduce the transmission of external structure sounds, such as heavy rain.



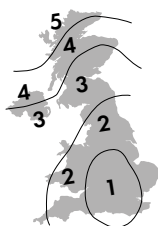
## PERMO SEC METAL

### Features and benefits

- Breathable and waterproof, acting as a secondary barrier to moisture penetration.
- Prevents condensation that occurs on the underside of the metal roof covering from re-entering the roof structure.
- Acoustic value of 8db to help reduce the transmission of external structure sounds, such as heavy rain.

### Area of application

- Suitable for metal roofs with a minimum pitch of 3°.
- Can be laid over rigid insulation or timber boarding.



### Related products

- Permo Tape KU0121-1
- Tacto Tape KU0111

### Approvals and certifications

- CE.
- All products supplied by Klover Ltd are covered by a 10 year guarantee against manufacturing defect.



### Technical guidance

Material	Nonwoven spunbonded polypropylene
Colour	Grey
Weight g/m <sup>2</sup> EN 1849-2	390
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	275/230
Nail tear strength MD/CD (N) EN 12310-1	170/185
Elongation MD/CD (%) EN 12311-1	60/70
Fire rating EN 13501-1 EN11925-2	E
Resistance to temperature	-30°C to +80°C

\*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)

### Product information

Product code	Width m	Length m	m <sup>2</sup>	Weight Per Roll kg	Pallet quantity
KU0020-04	1.5	25	37.5	14.5	4