



Compared to traditional insulation, Permo<sup>®</sup> therm allows equivalent thickness, to achieve thermal performance significantly higher.

The new complex rafter insulation, Permo<sup>®</sup> therm is characterised by high performance insulation with added vapour permeable membrane and helps drying of the roof due to its ability to dispel water vapour. Permo<sup>®</sup> therm with Thermo-Line sealing products, allows the whole roof area to be airtight, windproof and free of thermal bridges.

### Product features & benefits

- Excellent value  $\lambda$ , very low thermal conductivity ( $\lambda = 0.021 \text{ W / mK}$ ) with integrated Permo<sup>®</sup> light SK<sup>2</sup>
- Structure permeable to the diffusion of water vapour different layers promotes drying of the roof and this prevents the formation of mold
- The special tongue and groove on all sides ensures a simple and economical installation, without thermal bridges
- Ecological because completely free of CFCs and HCFCs

### Area of Application

Permo<sup>®</sup> therm is suitable for new buildings and renovations. Ideal for sloping roofs with or without sheathing.

### Material

Hard foam (RES) with of three-layer non-woven / permeable film

### Product code

Permo<sup>®</sup> therm 80mm      KD 0080

### Related products

- Venduct<sup>®</sup> Extension Sleeve      KE8200
- Permo<sup>®</sup> Universal Connection Roll      KD9050
- Wallint<sup>®</sup> 50      KU0065
- Wallint<sup>®</sup> solar      KU0063
- Permo<sup>®</sup> TR plus      KU0121-1

**Note:** Approved fixings should be applied at centres appropriate to the design of the roof and location of the building.

Refer to:

Ancon Building Products	<a href="http://www.ancon.co.uk">www.ancon.co.uk</a>
Helifix Limited	<a href="http://www.helifix.co.uk">www.helifix.co.uk</a>
MAK Fasteners	<a href="http://www.makfasteners.com">www.makfasteners.com</a>
Target Fixings Limited	<a href="http://www.targetfixings.com">www.targetfixings.com</a>
Tech Fasteners	<a href="http://www.techfasteners.ie">www.techfasteners.ie</a>
Wallfast Limited	<a href="http://www.wallfast.co.uk">www.wallfast.co.uk</a>

## TECHNICAL DATA

Thermal conductivity EN 13166	60 - 120 mm: 0,021 (D); 0,020 (EU)
Water Vapour according to NBN EN 12086	$\mu = 35$
Compressive strength at 10% deflection as EN 826	$\geq 120 \text{ kPa}$
Reaction to fire class according to NBN EN 13501-1	Class E
Water Column	3000 mm
Walkability	pass

Breathable 3-layer non-woven sheet combination, ZVDH classification UDB -A, USB -A, can be used as temporary covering.



### Klober Ltd

Unit 6F · East Midlands Distribution Centre · Short Lane · Castle Donington · Derbyshire · DE74 2HA  
Tel. +44 (0)1332 813 050 · Fax +44 (0)1332 814 033 · [www.klober.co.uk](http://www.klober.co.uk) · [info@klober.co.uk](mailto:info@klober.co.uk)