



## Installation

Before Wallint® 50 is installed, check the moisture content of the timbers is less than 20%. Fix on the warm side of the insulation and rafters, with the printed smoother surface facing inwards. At either edge of the structure, leave a 150mm overlap to allow Wallint® 50 to be sealed to adjoining walls. Rollout with a horizontal headlap of 150mm. Fix to rafters/ceiling joists using non-corrosive fixings eg staples. Ensure laps are sealed using a tape eg Permo® TR. Ensure that Wallint® 50 is sealed at all abutments/junctions using either tape eg Permo® TR or Pasto® sealant. If parging, first turn Wallint® 50 down the face of the wall, fix plaster stop bead on top of Wallint® 50 and then parge on top. Any holes or tears in the air barrier/vapour control layer should be repaired with Permo® TR tape. Where pipes pass through use Klober's Pipe Sealing Collar and tape edges to Wallint® 50 to achieve an airtight seal. Wallint® 50 should cover the entire internal timber frame area of the rooms in the roof and, where applicable, link with vapour control layer in the wall below to form a continuous air barrier. For refurbishment projects, Wallint® 50 should be laid vertically either from ridge to eaves or vice versa. This is to allow small sections of the roof to be worked on. Joins should be taped using Permo® TR and sealed at the eaves using Pasto® or Permo® TR.

Klober's Wallint® 50 is a combined air barrier and vapour control layer. It has a vapour resistance of 250MNsg, meeting the requirements of BS9250 (Code of Practice for design of the airtightness of ceilings in pitched roofs). As even thicker layers of insulation are installed to comply with more demanding Building Regulations, so it becomes increasingly important to provide an air barrier and vapour control layer on the warm side of the insulation. Wallint® 50 has been especially developed for this purpose.

## Product features & benefits

- Use in conjunction with Klober's other airtightness products to minimise energy loss
- Prevents large volumes of watervapour entering a construction from the interior, particularly during the drying-out period
- Provides support for insulation boards or quilts
- Meets requirements of BS9250

Also remember to seal:

- Laps between underlays using tapes, eg Permo® TR, Tacto®
- Around penetrations using tape, eg Easy-Form® tape
- To rough surfaces using a sealant eg Pasto®
- Around any pipes with a Pipe Sealing Collar and tape

## Area of application

Suitable for:

- The inner face of an insulated roof Walls (incl timber frame) & cold and warm roof applications
- Ceilings & walls of rooms-in-the-roof, and on the ceilings below non-habitable lofts

## Material

Composite PP-spun fleece with coating

## Roll sizes / Roll weights / Product Code

50 x 1.5m (75m<sup>2</sup>) 9.5kg KU0065

## Packaging

20 rolls/pallet

## Related products

- Pasto® sealant
- Permo® TR universal tape
- Tacto double-sided tape
- Pipe sealing collar

## TECHNICAL DATA

Reaction to fire EN 13501-1, EN 11925-2

Resistance to water penetration EN 1928

Water vapour transmission EN 1931 (sd-value)

Water vapour transmission after ageing EN 1296, EN 1931

Tensile strength longitudinal/ transverse EN 12311-2

Elongation longitudinal / transverse EN 12311-2

Resistance to tearing (nail shank) longitudinal / transverse EN 12310-1

Resistance to air penetration

Resistance to temperature

Water vapour transmission



E class

W1

50m

passed

200N/50mm 160N/50mm

60% 65%

165N 175N

< 0,1 m<sup>3</sup>/m<sup>2</sup> h 50 Pa

-40°C /+80°C

250 MNsg

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