

FIXING INSTRUCTIONS - TILELINE VAPOUR PERMEABLE MEMBRANE - FOR COLD OR WARM ROOFS

GENERAL

- Tileline vapour permeable membrane may be used for cold roofs with ventilated or unventilated loft spaces (see Fig 1) or warm roofs with insulation between and or above rafters (see Figs 2 and 3).
- In accordance with good building practice, this product should be covered as soon as possible after installation and preferably not more than one month after initial exposure. Within this period, when correctly installed Tileline vapour permeable membrane will provide temporary protection against rain prior to installation of slates or tiling. If the exposure period exceeds one month then advice must sought from the Glidevale Protect Technical department.
- Do not lay Tileline vapour permeable membrane in contact with any un-dried timber preservative (whether water or solvent based).
- Store rolls on a flat dry surface, protected from the weather.
- Fix Tileline vapour permeable membrane using extra large clout nails of copper, aluminium alloy or galvanised steel, 20mm x 3.5mm.
- Tileline vapour permeable membrane can be easily cut with a sharp knife and remains flexible at all normal working temperatures.
- Lay Tileline vapour permeable membrane with minimum laps shown in table below.

Roof pitch	Horizontal lap up slope	Vertical lap up slope
≥15°	150mm	100mm

COLD ROOFS

If a ceiling is well sealed, as defined in BS 5250, condensation in dwelling sized roofs can be controlled by the use of Tileline vapour permeable membrane and a reduced level of ventilation from that required with impermeable or Type HR underlays. This should be either 3,000mm² per metre at eaves or low level or 5,000mm² per metre at ridge or high level. In larger than dwelling sized roofs the ventilation should be 5,000mm² per metre at eaves or low level and 5,000mm² per metre should be provided at ridge or high level.

If the ceiling is not well sealed (as is likely in re-roofing situations) then the ventilation should be increased to 10,000mm² per metre at low level and 5,000mm² per metre at high level in accordance with BS 5250.

This can be achieved with Tileline eaves vents at low level and Tileline ridgeroll/ Tileline tile vents at high level.

WARM ROOFS

If the ceiling is well sealed, as defined in BS 5250, condensation can be controlled by the use of Tileline vapour permeable membrane with no additional ventilation. Tileline vapour permeable membrane can be laid draped unsupported (see Fig 2) or fully supported on insulation (see Fig 3). To ensure the integrity of a well sealed ceiling, a separate vapour control layer such as Protect VC Foil Ultra must also be used on the warm side of the insulation.

If there is any doubt about the ability to provide and maintain an effectively sealed vapour control layer then ventilation should be provided beneath the underlay of 25,000mm² per metre at eaves or low level and 5,000mm² per metre at ridge or high level. This can be achieved with Tileline eaves vents at low level and Tileline ridgeroll/ Tileline tile vents at high level

BATTEN SPACES

Where vapour permeable underlays such as Tileline vapour permeable membrane are used to contribute to condensation control they do so by allowing water vapour to escape to atmosphere via the roof covering. Dreadnought clay tiles are sufficiently air open to allow this and it is not necessary to ventilate the batten space.

LAYING

Main roof areas

When laying Tileline vapour permeable membrane over counterbattens or rafters, allow shallow drapes (max. 15mm). This is to allow any moisture on the upper surface of the underlay to drain away safely under the tiling/slating battens preventing ponding or wetting.

Eaves

Fit a Tileline eaves vent system using overfascia ventilator and eaves skirt. Lap the first roll of Tileline vapour permeable membrane over the eaves skirt.

Verges

Lap underlay 25 - 50mm onto the outer skin of masonry, or on to the flying rafter for an overhanging verge.

Ridges

For over underlay ventilation installation, lap Tileline vapour permeable membrane at least 150mm down each side of the ridge.

For under underlay ventilation installation where dry ventilated ridge systems are used, stop Tileline vapour permeable membrane 5mm short of apex on each side.

Valleys

Lay a strip of Tileline vapour permeable membrane not less than 600mm wide up valleys, lapped under the main roof underlay.

Hips

Lay a strip of Tileline vapour permeable membranenot less than 600mm wide up hips, lapped over the main roof underlay.

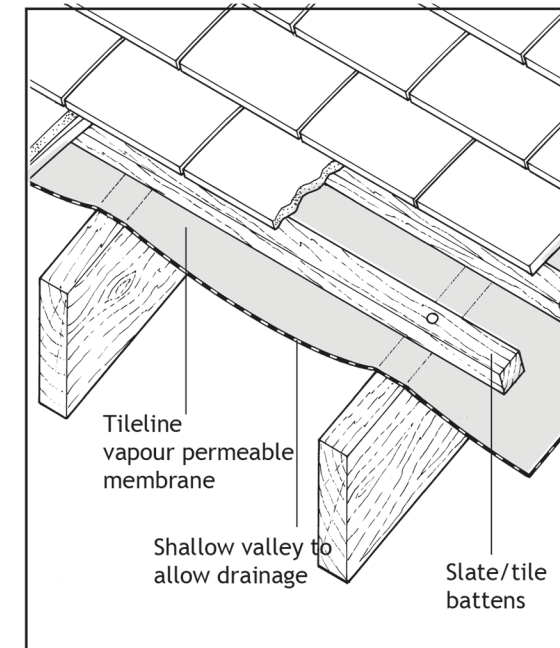


Fig 1

Other Tileline products available for use with this underlay: Tileline eaves pack, Tileline tile vent, Tileline ridgeroll, Tileline dryfix ridge system.

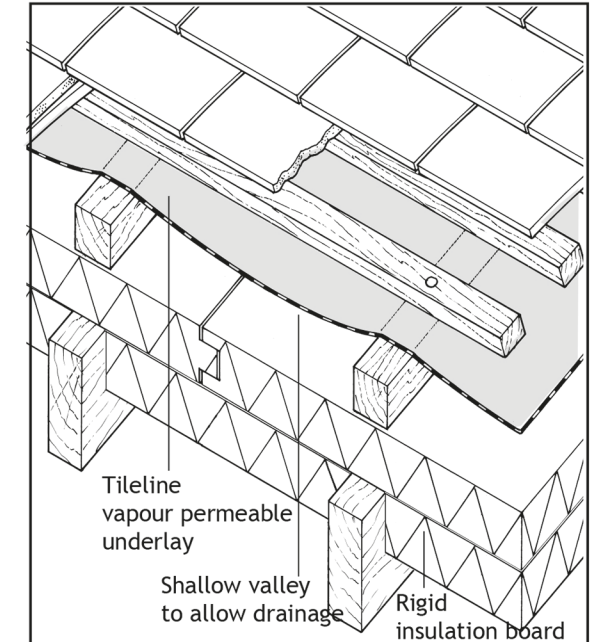


Fig 2

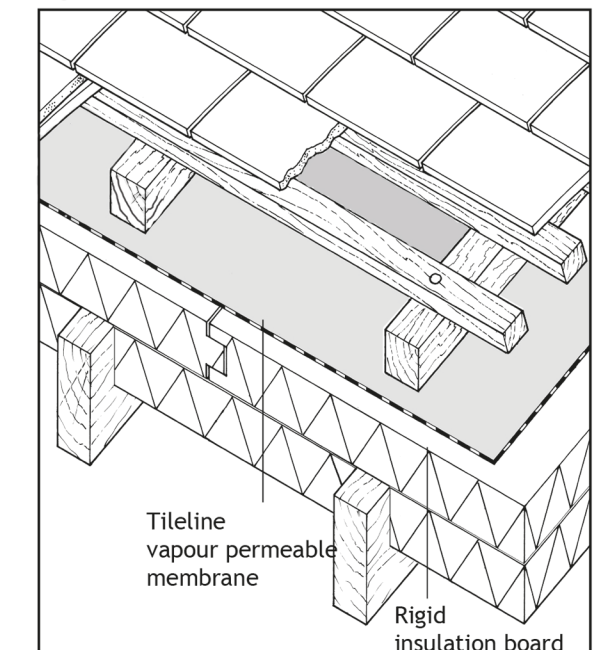


Fig 3