



› Fixing For Roofs Above Rafter

General Installation

1. Installation of the product and additional insulation products should be in accordance with the current regulations and good building practice.
2. During construction, care must be taken to ensure the product is not damaged during installation. Should damage occur by tearing, the product should be repaired by covering the holes with tape or replaced.
3. The product is securely taped at overlaps and junctions with walls or windows. Alumaflex tape is recommended as a suitable tape. The product must always be taped together when surfaces are clean and dry.
4. The product must have overlap joints of at least 100 mm and be taped along the entire length of the joint with tape.
5. When the product is cut to fit around openings, eg the roof perimeter, care should be taken to minimise gaps.
6. The product can be cut using a sharp knife or with textile scissors. Where it has been cut and the layers are exposed, the cut edge should be taped together.
7. Pieces which have been cut should be stapled and battened as soon as possible, and should not be left only partially secured overnight. Awkward shapes should be taped up, stapled and battened immediately.

Equipment Required



Scissors



Stapler



Tape

General Design Considerations

› Alumaflex Multilayer Insulation for Pitched Roof Applications is a flexible insulation used in conjunction with other insulation materials to reduce the thermal transmittance (U value) in new or existing pitched roofs.

› When installed under the rafters, the products perform as a vapour control layer in the roof system. The product is for use in constructions where the ceiling follows the pitch of the roof and encloses a habitable space. Ensure that the product is covered after installation, as it must not be exposed to rain, showers or wind-driven rain.



Care must be taken to ensure the product does not come into contact with heat sources greater than 80°C.

Installation Practicability

The product is designed to be installed by competent builders, experienced with this type of product.

› Above Rafters Installation Procedure

1. Installation starts from eaves and the insulation is unrolled parallel to the eaves.
2. As the product is unrolled across the rafters it is fixed using nails or staples of at least 14 mm length.
3. The next roll must overlap the preceding layer by at least 100 mm, and the overlap should be sealed along the entire length using Alumaflex aluminium tape.
4. The product should be permanently fixed in place using wooden battens parallel to the rafters, held in place with nails.
5. When the top layer has been battened, any excess material may be cut by running a sharp knife along the edge of the batten.
6. A breathable roofing membrane (ie roof tile underlay) should be installed on the counter battens and tiling battens attached perpendicular to the rafters.
7. Roof tiles or slates are installed in accordance with BS 5534 : 2003.
8. When applying roof tiles or slates to a warm roof construction, the recommendations of the tile/slate manufacturer should be followed.



Staple alumaflex over the rafter.



Fit breathable membrane over battens and alumaflex.



Finish by installing the recommended tiles .

For more information please call:

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