



Fixing For Roofs Below Rafter

General Installation

1. Installation of the product and additional insulation products should be in accordance with 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.

Below Rafters Installation Procedure

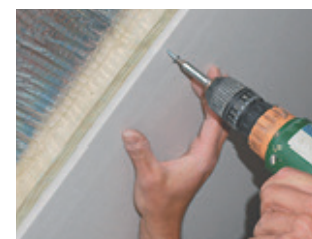
1. Installation starts from the ridge with the product being unrolled parallel to the eaves.
2. As the product is unrolled across the rafters, it's fixed in place using double-sided tape, nails or staples of at least 14 mm depth.
3. The next roll must overlap the preceding layer by at least 100 mm, and the overlap should be sealed along the entire length using tape.
4. The product should be permanently held in place using wooden battens fixed with nails. Battens may run either parallel or perpendicular to the rafters.
5. When the bottom layer has been battened, any excess material may be cut by running a sharp knife along the edge of the batten.
6. Any exposed cut edges of the product should be sealed with a suitable adhesive tape. Any tears or holes in the outer layer should be repaired with heat-reflective tape.
7. A foil-backed plasterboard is fixed to the battens. The batten size should be at least 32 mm by 25 mm, with the fixings at either 150 mm spacing for nails or 230 mm for screws. This batten size should be sufficient to ensure a 20 mm air gap between the product and the plasterboard.
8. When applying roof tiles or slates to a warm roof construction the recommendations of the tile/slate manufacturer should be followed.



Staple alumaflex to the underside of the rafter.



Overlap alumaflex by 100mm and tape the laps.



Fix 25mm battens on top of the alumaflex followed by the plasterboard finish.

For more information please call:

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