

ALREFLEX RAFTER THERM

Refurbishment Non Ventilated Roof Insulation System For Retained Roof Coverings

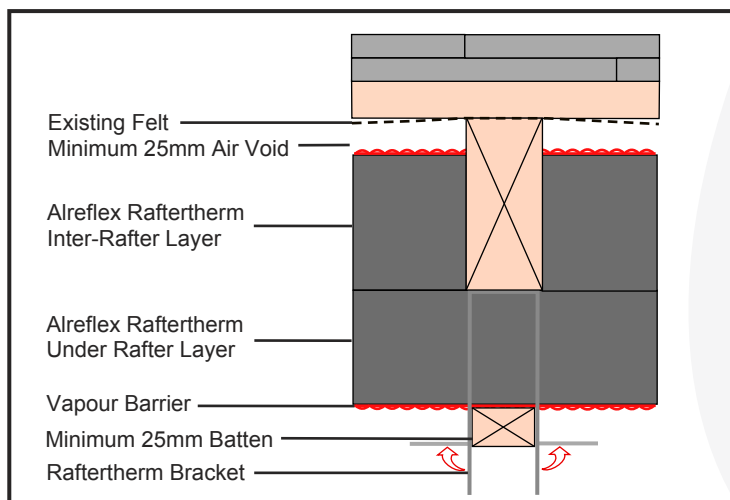
**U-value
0.18W/m²K**



High performance pitched roof insulation system

- ▶ Standard construction details to achieve Part L compliance.
- ▶ Can provide over 30% cost saving when compared to PUR solutions.
- ▶ Internal Alreflex foil layer provides vapour barrier.
- ▶ The unique Raftertherm Bracket minimises cold bridging through the insulation board.

SECTION DETAIL



Based upon our extensive experience of providing SAP and Code for Sustainable Homes calculations to large UK house builder clients our Technical Department are confident in being able to provide you with the most cost effective design solutions to suit your particular project.

Please contact them direct on 01582 544255.

The below U-values are achieved in constructions comprising 100mm Rafters at 400mm Centres.

Alreflex Raftertherm Inter-Rafter Layer Board Type A	75mm	75mm	75mm
Alreflex Raftertherm Under Rafter Layer Board Type A	95mm	75mm	55mm
U-value (W/m ² K)	0.16	0.18	0.20

THE SYSTEM

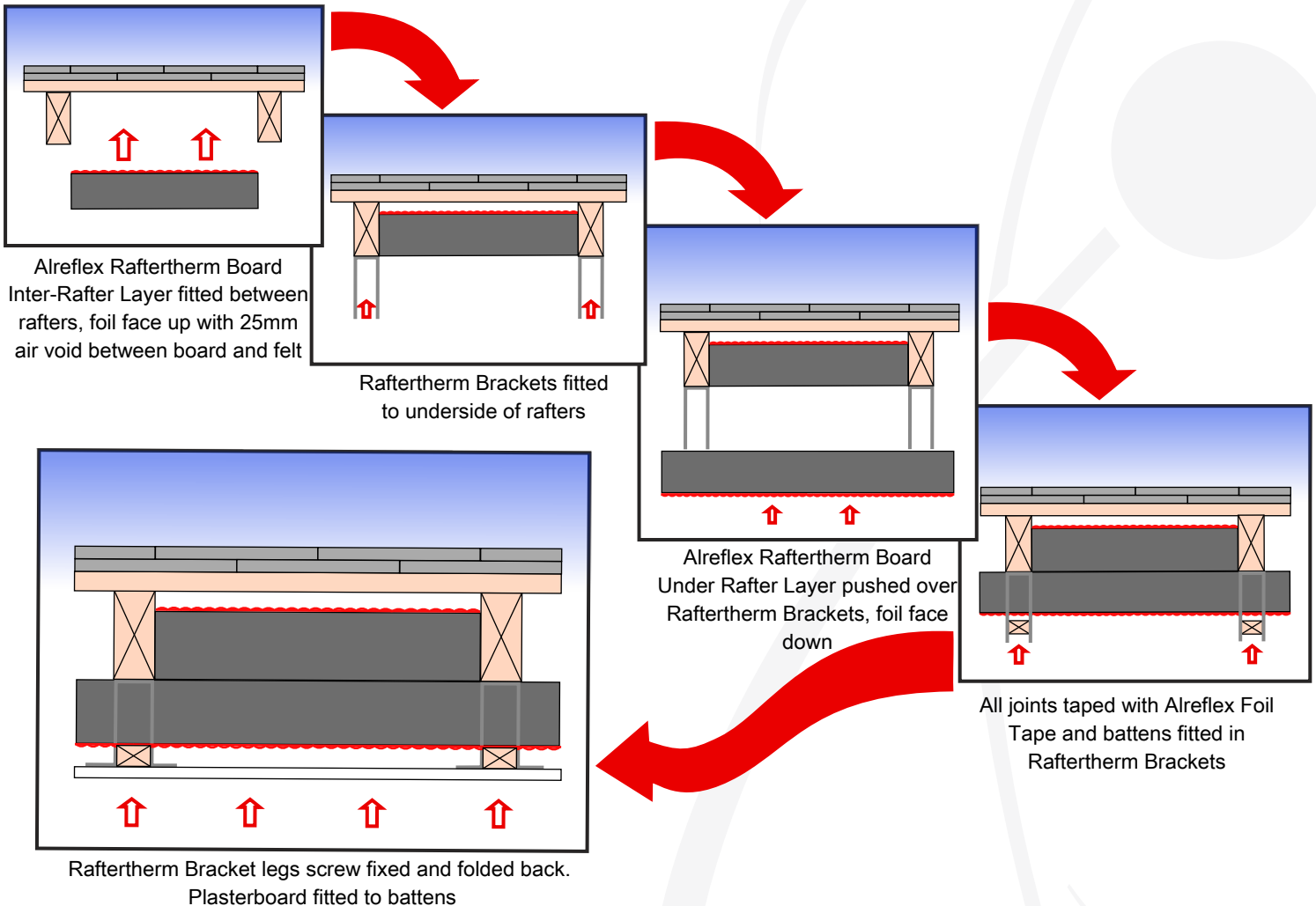
RAFTERTHERM roof rafter insulation system consists of two special PLATINUM polystyrene boards, which have been laminated with a low emissive aluminium bubble foil.

The insulation boards and the batten are fitted using the proprietary RAFTERTHERM BRACKET.

All joints on the internal foil surface are taped with ALREFLEX FOIL TAPE prior to the fitting of the plasterboard.

PLATINUM polystyrene has been treated with graphite which enhances both the strength and thermal performance of the material. The low emissive foil facings serve to further increase the insulating effect and provide an integral barrier to vapour flow and air pressure loss.

INSTALLATION DETAILS



THE BENEFITS

PLATINUM polystyrene is considerably cheaper than PUR or PIR.

The system can be installed without removal of the roof cladding.

The integral foil vapour barrier eliminates the need for the normal ventilation void requirement; thereby maintaining the existing roof profile and reducing the overall construction depth.

The RAFTERTHERM BRACKET enables the easy fitting of the internal insulation board and ceiling (as compared to the thick laminate plasterboards used in the PUR systems).

CONTACT DETAILS

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PRODUCT CERTIFICATION

Miofol Alutherm is CE marked against EN13859 Parts 1 & 2.

Miofol holds a BBA Certificate 87/1912.

Alreflex Platinum holds a BBA Certificate 93/2861.

VENTILATION/CONDENSATION CONTROL

Calculations have been carried out in accordance with BS5250 "CONTROL OF CONDENSATION IN BUILDINGS" and BS EN ISO 13788:2002 to verify that the construction is free from condensation risk. These calculations can be supplied upon request.

THE ENVIRONMENT

ALREFLEX RAFTERTHERM has zero global warming potential and zero ozone depletion potential.