

ALUTHERMO ROOFREFLEX[®]

WHAT IS ALUTHERMO ROOFREFLEX[®] ?

Aluthermo Roofreflex is an insulated roof and wall underlay membrane that is both airtight and vapour open. It is LABC, EPC and CE approved as a breathable membrane and is fully EN 1928 W1 waterproof compliant. Aluthermo Roofreflex is normally used in conjunction with other standard insulation products to enhance the achieved U-value of any installation.

WHY USE ALUTHERMO ROOFREFLEX[®] ?

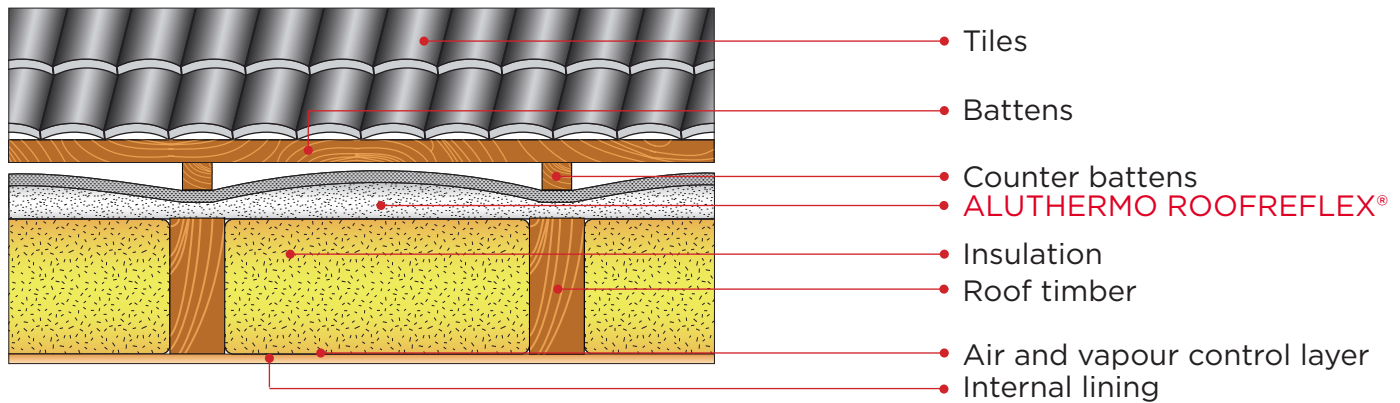
Aluthermo Roofreflex is a highly flexible product. It can be used in a wide range of building designs to improve achieved U values by virtue of an integrated insulation layer laminated to a high emissivity surface. In certain configurations the overall thickness of the construction can be reduced.



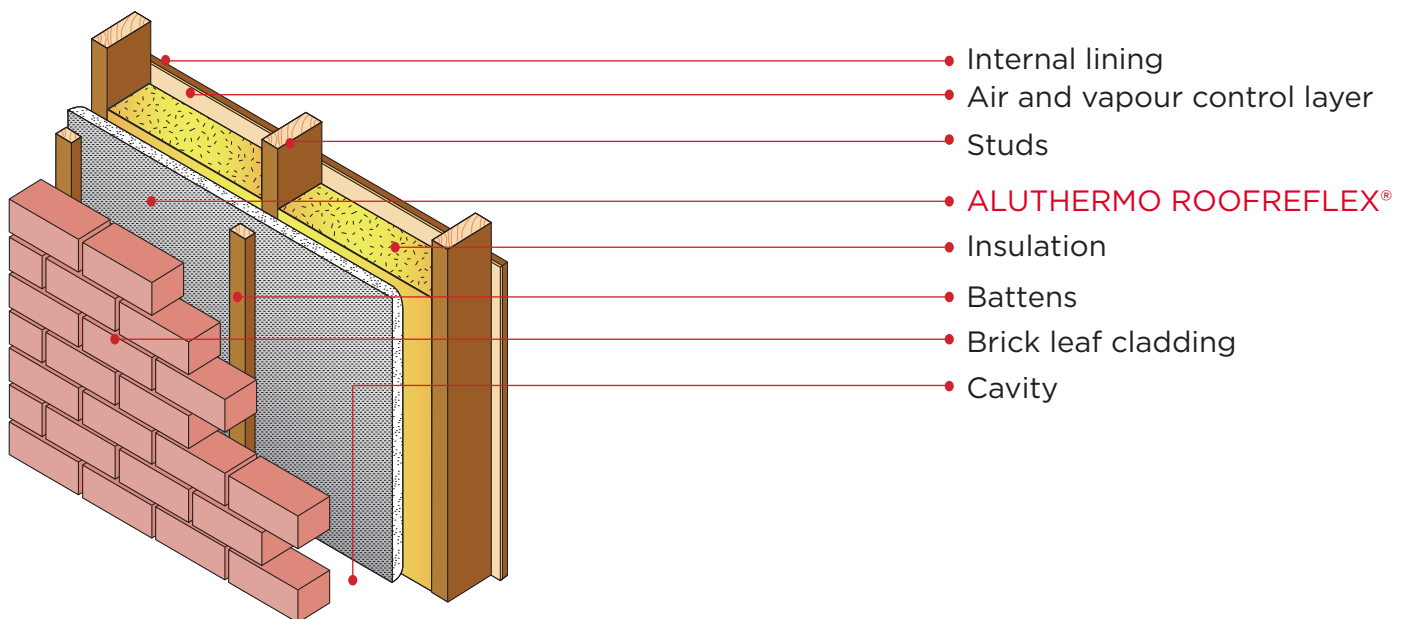
ADVANTAGES

- CE compliant to EN 13859 -1 and -2
- EPC & LABC approved
- Insulated and breathable roof and wall underlay membrane
- Low emissivity external face
- Acoustic benefits
- Reduces thermal bridge losses
- Fully airtight when installed with the supplied integral tapes
- Reduces overheating in summer
- Adds up to 1.47 in extra R-value
- Single product suitable for both roofs and walls
- Lower install costs than PIR systems
- Main Novia Reflex tested for BS 5534 wind uplift
- 10 year warranty

ROOF INSTALLATION



WALL INSTALLATION



TECHNICAL CHARACTERISTICS

Dimensions of the roll	1.40 x 10 m	Resistance to water penetration	W1 (EN 1928)
Surface area per roll	14 m ²	Tensile property	
Weight	730 g/m ²	Longitudinal	220 to 360 N/50 mm
Thickness of the polyester fiber	37 mm	Transversal	150 to 275 N/50mm (EN 12311-1)
Operating temperature range	-40°C to +80°C	Resistance to tearing	
Fire resistance classification	E	Longitudinal	120 to 230 N
Thermal core resistance	R = 1.00 m ² .K/W	Transversal	175 to 280 N (EN 12310-1)
Thermal conductivity	λ = 0.0366 W/(m.K) (EN 12667)	Sd value of the product	< 0.061 m (± 0.01) (EN12572 : 2003)
Thermal resistance together with 1 unventilated air gap, wall	R = 1.47 m ² .K/W	Emissivity	0.18
		Resistance to air penetration	0.000 m ³ /m ³ .h.50.pa (EN 12114)