



Aluthermo RoofReflex®

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NOVIA®

Detailed description

Insulated roof and wall underlay membrane that is airtight and ventilated. Aluthermo RoofReflex® can be used in conjunction with standard insulation products to enhance the achieved U-value of any installation, through an integrated insulation layer that is laminated to a high emissivity surface.

Manufactured using hydrophobic and self-extinguishing polyester fibre, created from recycled material. Aluthermo RoofReflex® has integrated sealing tapes to quickly and easily maintain the airtight seal at all joints. Suitable for use below tiles and cladding.

Features:

- Low emissivity external face.
- Improved acoustic values.
- Reduces thermal bridge losses.
- Fully airtight when installed with the supplied integral tapes.
- Reduces overheating in summer by providing a cooling effect and lowering air-conditioning costs.
- Adds up to 1.47 m²K/W in thermal resistance (R-value).
- Hybrid roof and wall membrane combined with an insulation layer.
- Lower installation costs than PIR systems.
- EPC-approved and LABC-approved.
- CE-marked to EN 13859-1 and -2.
- Ten-year warranty.

Product guidance - As Standard

Roll size:

1.4 x 10 m.

Surface area per roll:

14 m².

Weight:

730 g/m².

Thickness of the polyester fibre:

37 mm.

Technical characteristics:

- Operating temperature range: -40°C to +80°C.
- Fire resistance classification: E.

Novia Ltd

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- Thermal core resistance (R-value): 1 m²K/W.
- Thermal conductivity (K-value to EN 12667): 0.0366 W/m·K.
- Thermal resistance together with one unventilated air gap, wall (R-value): 1.47 m²K/W.
- Resistance to water penetration (to EN 1928): W1.
- Water vapour transmission: 380 g/m².d.
- Tensile property, longitudinal: 220–360 N/50mm.
- Tensile property, traversal (to EN 12311-1): 150–275 N/50mm.
- Resistance to tearing, longitudinal: 120–230 N.
- Resistance to tearing, traversal (to EN 12310-1): 175–280 N.
- Standard deviation (Sd) value (to EN 12572:2003): <0.061 m (±0.01).
- Emissivity: 0.18.
- Resistance to air penetration (to EN 12114): 0.000 m³/m³.h.50.pa.

Product specification

Manufacturer

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Product reference Aluthermo RoofReflex®

Tape Novia Breather Membrane Lap Tape