

Thermafleece – Acoustic Insulation as Nature Intended



Key Benefits

Can be used in wall, floor and ceiling cavities.

- Provides effective Thermal insulation in floor, wall and ceiling cavities.
- Made from natural sheeps wool.
- 100mm thick version can reduce sound by 6-12dB
- Easy to cut with a knife for fitting between studs and joists.
- Available in 50mm, 75mm, 100mm thick batts (Other thicknesses available for bulk orders)

Description

THERMAFLEECE is a high-density, wool rich insulation made from 85% British wool and 15% polyester binder containing a high recycled content. It is BBA-approved and certified to last the life of the building.

Supplied as 1200mm long slabs in thicknesses up to 100mm that fit securely between rafters, joists and studs, THERMAFLEECE provides excellent thermal and acoustic insulation performance.

Like all THERMAFLEECE products, it is longlasting, safe to handle and can contribute to a healthier indoor environment by acting as a moisture buffer and absorbing indoor pollutants such as formaldehyde.

WHY INSULATE WITH THERMAFLEECE?

Insulating a property will significantly reduce the amount of energy lost from the building envelope, reducing energy consumption and carbon dioxide released to the atmosphere.

Performance - With a Thermal Conductivity of 0.038 W/mK, THERMAFLEECE offers better performance than most low density insulation on the market.

Cost Effective - Energy savings from using THERMAFLEECE mean it can pay for itself in a few years.

Long Lasting - THERMAFLEECE is BBA certified for the life of the building and contains a lofting agent to maintain fibre stability and structural integrity throughout.

BBA Certified

Certified for use in ventilated and unventilated lofts; under pitched roofs and between rafters for tiled or slated pitched roofs, as well as timber frame wall applications between studding with a weather resistant cladding, and a ventilated and drained cavity.

Sustainable

Using THERMAFLEECE can reduce carbon emissions by many tonnes over the lifetime of use. Wool fixes carbon dioxide helping reduce greenhouse gas levels.

Safe

THERMAFLEECE is safe to handle without the need for personal protective equipment. It can be recycled or safely disposed of at the end of its life.

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SPECIFICATIONS

Technical

- Thermal Conductivity: 0.038 Wm-1K-1
- Density: 23 kgm-3
- Water Absorption (@100% RH): 34% w/w
- Specific Heat Capacity: 1800 Jkg-1K-1
- Mould Resistance: CUAP Vegetable Fibre
- Draft 2002-01-25: Pass
- Moth/Beetle Proofing - ISO 3998: Pass
- Vapour Resistivity: 9 MN s g-1m-1
- Ignition Point: >500oC
- Spread of Fire to BS 5803-4: Pass
- Recoverability and thickness to EN 823: Pass
- Dimensional stability to EN 1604: Pass
- Short term water absorption to EN 1609 method A: Pass

Thickness mm (tolerance +/- 5mm)	Thermal Resistance Km ² W
50	1.32
75	1.97
100	2.63
150	3.95
200	5.26
250	6.18

Acoustic

- EN 11654:1997 - Aa 1.00, Class A @ 100mm
- EN 11654:1997 - Aa 1.00, Class A @ 75mm
- EN 11654:1997 - Aa 0.80, Class B @ 50mm

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