

THERMAFLEECE Original

The Original Wool Insulation

THERMAFLEECE Original 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 Original provides excellent thermal and acoustic insulation performance.

Like all THERMAFLEECE products, it is long-lasting, 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 ORIGINAL?

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 Original offers better performance than most low density insulation on the market.

Cost Effective

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

Long Lasting

THERMAFLEECE Original 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 Original can reduce carbon emissions by many tonnes over the

lifetime of use. Wool fixes carbon dioxide helping reduce greenhouse gas levels.

Safe

THERMAFLEECE Original 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.

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: >500°C
- 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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Accreditations

- BBA - Certificate Number 02/3950
- Manufactured to ISO 9001 & 14001

Environmental

- GWP (Cradle to Gate): minus 0.53 kgCO₂e
- Embodied Energy (Net of Non-Fossil Feedstock Energy): 6 MJkg⁻¹
- Recycled Content: 7.5%
- Recyclable: Yes

TECHNICAL SUPPORT

We offer a comprehensive support to meet all your technical requirements including:

- Technical help line **0844 8009953**
- On-site and off-site support throughout the design and build process
- Advice on meeting current regulations including Building Regulations and Code for Sustainable Homes
- U-value and condensation risk analysis
- Advice on environmental impact
- Application guidance notes, comprehensive product data and reports

INSTALLATION AND HANDLING

THERMAFLEECE Original is harmless and can be installed without gloves or protective clothing, although we recommend you wear a dust mask in enclosed spaces such as lofts.

THERMAFLEECE Original can be used in conjunction with a vapour permeable underlay to retain the benefits of water vapour absorption and release,

Protect the insulation from prolonged exposure to sunlight when unpacked and avoid wetting for extended periods, store under cover and clear of the ground.

THERMAFLEECE Original can be cut using a straight edge and a Stanley knife, or simply torn apart.

For more accurate cutting, tightly compress or clamp the insulation between two pieces of solid 15mm board. Overhang the slab where you want to cut keeping the two board edges aligned. Cut the edge with a scalloped edged knife and keep the blade firm and square against both board edges throughout.

SIZES**Slabs**

- **Thicknesses** – 50, 70 & 100 mm
- **Widths** – 400 & 600 mm
- **Length** – 1200 mm

Packs

- **100 mm** – 10.08 m² per pack
- **75 mm** – 12.96 m² per pack
- **50 mm** – 20.16 m² per pack

WHERE TO BUY

Our products are available through a wide network of merchants and distributors. To find your nearest supplier visit our web site www.thermafleece.com or call us on 0844 8009953.

Contact:

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TECHNICAL SALES OFFICE HELP LINE 0844 8009953

This literature is printed on environmentally friendly paper from sustainable sources.

All products are supplied in accordance with Eden Renewable Innovations Ltd's terms and conditions of business, a copy of which is available on request.

AVAILABLE FROM:

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