

# Thermafleece UltraWool - Acoustic Sheep's Wool



## Description

THERMAFLEECE is a high-density, wool rich insulation made from 85% British wool and 15% polyester binder containing a high recycled content.

Supplied as 1200mm long slabs in thicknesses up to 90mm to 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.

## 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.

## 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.
- A 100mm thick layer can reduce sound by 6-12dB
- Easy to cut with a knife for fitting between studs and joists.
- Available in 50mm, 70mm, 90mm thick batts (Other thicknesses available for bulk orders)

## 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<br>(tolerance +/- 5mm) | Thermal Resistance<br>Km <sup>2</sup> W |
|-------------------------------------|---|
| 50                                  | 1.32                                    |
| 75                                  | 1.97                                    |
| 100                                 | 2.63                                    |
| 150                                 | 3.95                                    |
| 200                                 | 5.26                                    |
| 250                                 | 6.18                                    |

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

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