Lime Stuff
Traditional breathable building & decorating products
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All the facts…

Thermafleece CosyWool is a versatile insulation rich in British sheep's wool and is the ideal choice if you are looking for all round performance and value for money.

Research shows that using 75% wool in combination with recycled fibres outperforms alternative products with a higher percentage of wool. Our wool rich blend ensures you get the full benefit of sheep's wool with enhanced performance, durability and sustainability.

Thermafleece CosyWool's convenient compressed form reduces transport impacts by more than 50% compared to other natural insulation and makes it ideal for quick and easy installation. Once unpacked, it regains its original thickness to provide excellent thermal and acoustic performance.

Like all Thermafleece products, it is long-lasting, safe to handle and contributes to a healthier indoor environment by regulating moisture and absorbing harmful airborne substances in the home.

Key Facts

- Width (mm) – 370, 570
- Thickness (mm) – 50, 75, 100, 140, 150
- Thermal conductivity – 0.039 W/mK
- Sound absorption – NRC 1.05 @ 100mm
- Sound reduction – Rw 40dB @ 75mm
- Highly breathable
- Made in the UK
- Contains British wool
- Manufactured to ISO 9001 & 14001
- Can be recycled

Applications

- Roofs – Loft & warm roof
- Walls – Timber frame & solid (internal)
- Floors – All levels above DPC
- Acoustic – Walls, floors & roofs

Why Insulate With Thermafleece CosyWool?

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.

Affordable

Thermafleece CosyWool is designed to minimise up-front cost making wool based insulation more affordable to a wide range of end users. What's more, the energy it saves means Thermafleece CosyWool quickly pays for itself.

Long Lasting

Thermafleece CosyWool contains a lofting agent to maintain durability, fibre stability and structural integrity creating a long lasting insulation.

Quality Assured

Thermafleece CosyWool is manufactured and supplied in accordance with ISO 9001 quality and ISO 14001 environmental management systems.

Sustainable

Thermafleece CosyWool can reduce CO_2 emissions by many tonnes over the lifetime of use. What's more, wool fixes carbon dioxide helping reduce greenhouse gas levels.

Breathable

Insulating with breathable natural fibres can contribute to more stable humidity and moisture levels within buildings. This can help improve the health of the building and the occupants.

Safe

Thermafleece CosyWool is safe to handle and can be recycled or safely disposed of at the end of its life.

Technical Support

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

- For technical advice call **01768 486285**
- 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

All the facts…

Specifications

Performance

- Thermal Conductivity: 0.039 $Wm^{-1}K^{-1}$
- Density: 18 kgm^{-3}
- Water Absorption (@100% RH): 30% w/w
- Specific Heat Capacity: 1800 $Jkg^{-1}K^{-1}$
- Mould Resistance : CUAP 2002-01-25: Pass
- Moth/Beetle Proofing: ISO 3998: Pass
- Vapour Resistivity: 9 $MN{\cdot}s{\cdot}g^{-1}m^{-1}$
- Ignition Point: >500°C
- Flammability to BS 5803-4: Pass
- Smoulder resistance to BS 5803-4: Pass
- Recoverability and thickness, EN 823: Pass
- Dimensional stability to EN 1604: Pass
- Can be used to achieve airborne sound reduction of R_w = 40dB.

Standards

- Manufactured to ISO 9001 & 14001

Environmental

- GWP (Cradle to Gate): minus 0.2 $kgCO_2e$
- Embodied Energy (Net of Non-Fossil Feedstock Energy): 7 $MJkg^{-1}$
- Recycled Content: 20%
- Recyclable: Yes

Sizes

- **Thicknesses** – 50,75,100,140,150 mm
- **Widths** – 370 & 570 mm
- **Roll Lengths** – 13.0m (50mm), 8.5m (75mm), 6.5m (100mm), 4.6m (140mm), 4.3m (150mm)

Also available in slabs. Please call for details.

R-Values

Thickness mm (tolerance +/- 5mm)	Thermal Resistance Km^2W
75	1.88
100	2.50
140	3.50
200	5.00
250	6.25
280	7.00
300	8.40

Installation and Handling

Thermafleece CosyWool 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 CosyWool can be used in conjunction with a vapour permeable membrane 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.

For 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.