

THERMAFLEECE Eco Roll

NATURALLY AFFORDABLE

THERMAFLEECE EcoRoll is a low density wool based insulation roll that is quick and easy to install. It contains 75% Sheep's wool, 15% recycled polyester and 10% polyester binder with a high recycled content.

THERMAFLEECE EcoRoll is available in thicknesses of 75mm, 100mm and 140mm in a convenient compressed form that significantly reduces transport impacts. Once unpacked, it regains its original thickness to provide effective thermal insulation.

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.

WHY INSULATE WITH THERMAFLEECE EcoRoll?

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 EcoRoll 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 EcoRoll quickly pays for itself.

Long Lasting

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

Quality Assured

THERMAFLEECE EcoRoll is manufactured and supplied in accordance with ISO 9001 quality and ISO 14001 environmental management systems.

Sustainable

THERMAFLEECE EcoRoll can reduce CO₂ emissions by many tonnes over the lifetime of use. What's more, wool fixes carbon dioxide helping reduce greenhouse gas levels.

Safe

THERMAFLEECE EcoRoll 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.

APPLICATIONS

- **Roofs** – Lofts & Warm Roof
- **Walls** – Timber Frame & Solid Wall
- **Floors** – Suspended Ground Floor & Between Floor.

SPECIFICATIONS

Technical

- Thermal Conductivity: 0.039 Wm⁻¹K⁻¹
- Water Absorption (@100% RH): 30% w/w
- Specific Heat Capacity: 1800 Jkg⁻¹K⁻¹
- Mould Resistance - CUAP 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, EN 823: Pass
- Dimensional stability to EN 1604: Pass

Thickness mm (tolerance +/- 5mm)	Thermal Resistance Km ² W
75	1.92
100	2.56
140	3.59
200	5.13
250	6.41
280	7.18

Acoustic

- Can be used to achieve airborne sound reduction of R_w = 40dB.

Thickness	Frequency, Hz					
	125	250	500	1K	2K	4K
	Practical Absorption Coefficient to BS EN ISO 354:2003					
100 mm	0.55	0.85	1.00	1.00	1.00	1.00
50 mm	0.35	0.55	0.80	0.90	0.90	1.00

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Accreditations

- Manufactured to ISO 9001 & 14001

Environmental

- GWP (Cradle to Gate): minus 0.2 kgCO₂e
- Embodied Energy (Net of Non-Fossil Feedstock Energy): 7 MJkg⁻¹
- Recycled Content: 20%
- 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 EcoRoll 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 EcoRoll 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 EcoRoll 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

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

Also available in slabs. Please call for details.

*Made to order

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 0844 8009953.

CONTACT:

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TECHNICAL SALES HELP LINE 0844 8009953

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

AVAILABLE FROM:

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THE CAMPAIGN FOR WOOL