

Factsheet



British Made, British Wool

Thermafleece CosyWool is British Made, British Wool Insulation. The result of 25 years spent perfecting the balance between nature's best materials and modern science, it delivers lasting performance that is as good for your home as it is for the planet.

Thermafleece CosyWool is shipped in a clever compressed roll. It's light, easy to carry, and isn't "itchy" like old-fashioned glass wool. Once you unwrap it, CosyWool grows back to its full thickness, ready to start protecting your home.

Best For

- Lofts – Cold roofs
- Floors – All levels above Damp-Proof Course

Key information

- Best for lofts and floors
- Breathable
- Made from British wool
- Made in Britain
- Long lasting
- Recyclable
- Quality assured
- Width (mm) – 300, 370, 400, 570
- Thickness (mm) – 25, 50, 75, 100, 140, 150

Installation and Handling

Thermafleece CosyWool Roll is non-hazardous and can be handled without protective clothing, although we recommend you wear PPE in spaces such as lofts.

Protect the insulation from prolonged exposure to sunlight when unpacked and avoid getting wet. Store under cover and clear of the ground. If the insulation gets wet during storage, or as a result of flooding in service, remove the affected insulation and replace with new.

Help your building breathe

Buildings like to breathe and, unlike synthetic materials, wool is naturally designed to be truly breathable. It doesn't just sit there; it works hard. It absorbs and releases moisture, helping manage humidity levels and keeping your home warm in the winter and cool in the summer.

The Power of the "Carbon Sink"

Think of your Thermafleece Insulation as a secret weapon against climate change. It's a simple cycle: grass captures carbon, sheep eat the grass, wool grows, and we turn that wool into insulation. By putting CosyWool in your home, you're locking that carbon away for decades.

Built to Last

We've all seen old insulation that looks flat. To prevent that, we take our British wool and bond it together. This keeps the wool bouncy and perfectly in place, so it won't slump. It's the "Science meets Nature" secret that ensures your energy bills stay lower for a lifetime.

Helping Make Homes Healthy

Wool is a natural filter. It actually captures and "traps" many common indoor pollutants and chemicals, acting like a silent air purifier for your building fabric.

Kind to You, Kind to Farmers

We source our wool from British farmers who meet world-class animal welfare standards. Because it's local, it doesn't travel across the globe to get to you, keeping the "carbon miles" as low as possible.

Help and Advice

We know that choosing insulation is a significant decision. Whether you need deep technical support or simple, honest guidance, our team is here for you.

Our advice is backed by decades of expertise and a genuine desire to help you build a more sustainable future.

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Specifications

Performance

- EPD Registration no. S-P-04468
- EPD Valid to 31/10/26
- Fire Classification – EuroClass E
- Flammability & Smoulder Resistance (BS 5803-4) - Pass
- Manufactured to ISO 9001 & 14001
- Moth/Beetle Proofing: ISO 3998 - Pass
- Recoverability and Thickness (EN 823) - Pass
- Recyclable
- Recycled Content – 20%
- Sound Absorption – NRC 1.05 @ 100mm
- Sound Reduction - Rw: 40dB @70mm
- Specific Heat Capacity - 1800 Jkg⁻¹K⁻¹
- Thermal Conductivity - 0.039 Wm⁻¹K⁻¹
- Vapour Resistivity - 9 MN·s·g⁻¹m⁻¹
- Water Absorption (@100% RH) – 30% w/w

Climate Impact

	Cradle to Gate Impact	Product Lifecycle	Product Carbon Footprint
Standard	EN15804	EN15804	PAS 2050*
Stage	A1-A3	A1-C4	60 years
Units **	0.05 kg CO _{2e}	0.95 kg CO _{2e}	0.44 kg CO _{2e}

*Greenhouse gas emission calculated by Eden Renewable Innovations Ltd in accordance with PAS 2050, self declared.

**Functional unit: 1 m² R 1m²K/W

Acoustic Absorption

Thickness	Weighted Sound Absorption Rating a _w	NRC	Class
(mm)	EN ISO 11654:1997	EN ISO	ASTM C 423-01
50	0.65	0.7	C
75	0.85	0.85	B
100	1	1.05	A

Sizes

- **Thicknesses (mm)** tolerance +/- 5mm – 25, 50, 75, 100, 140, 150
- **Widths (mm)** – 300, 370, 400 & 570
- **Roll Lengths** – 12.0m (25mm) 13.0m (50mm), 8.5m (75mm), 6.5m (100mm), 4.6m (140mm), 4.3m (150mm)

R-Values

Thickness (mm)	Thermal Resistance (Km ² W)
25	0.63
50	1.25
75	1.88
100	2.50
140	3.50
150	3.75
200	5.00
250	6.25
280	7.00
300	8.40



 **EPD**
INTERNATIONAL EPD SYSTEM



Eden Renewable Innovations Ltd

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