

# THERMAFLEECE TF35

## SETTING THE STANDARD

THERMAFLEECE TF35 is a high density wool based insulation designed to meet higher energy efficiency requirements.

With a thermal conductivity of 0.035 W/mK, no quilted wool-based insulation meets the performance set by THERMAFLEECE TF35

THERMAFLEECE TF35 contains 75% British wool, 15% recycled polyester and 10% polyester binder with a high recycled content.

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 TF35?

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.

### High Performance

With a Thermal Conductivity of 0.035 W/mK, THERMAFLEECE TF35 is the best performing natural fibre-based insulation on the market.

### Cost Effective

Energy savings from using THERMAFLEECE TF35 mean it can pay for itself in a few years.

### Long Lasting

THERMAFLEECE TF35 contains a lofting agent to maintain durability, fibre stability and structural integrity.

### Sustainable

THERMAFLEECE TF35 can reduce CO<sub>2</sub> emissions by many tonnes over the lifetime of use. Wool also fixes carbon dioxide helping reduce greenhouse gas levels.

## Safe

THERMAFLEECE TF35 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: 0.035 Wm<sup>-1</sup>K<sup>-1</sup>
- Density: 31 kgm<sup>-3</sup>
- Water Absorption (@100% RH): 24% w/w
- Specific Heat Capacity: 1800 Jkg<sup>-1</sup>K<sup>-1</sup>
- Mould Resistance - CUAP 2002-01-25: Pass
- Moth/Beetle Proofing - ISO 3998: Pass
- Vapour Resistivity: 9 MN·s·g<sup>-1</sup>m<sup>-1</sup>
- Ignition Point: >500°C
- Spread of Fire to BS 5803-4: Pass

Thickness mm (tolerance +/- 5mm)	Thermal Resistance Km <sup>2</sup> W
50	1.43
70	2.00
100	2.86
140	4.00
190	5.43
240	6.86

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### Accreditations

- Manufactured to ISO 9001 & 14001

### Environmental

- Recycled Content: 37.5%
- 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 TF35 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 TF35 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 TF35 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.

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### SIZES

#### Slabs

- **Thicknesses** – 50, 70 & 90 mm
- **Widths** – 390 & 590 mm
- **Slab Length** – 1200 mm)

### 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](http://www.thermafleece.com) or call us on 0844 8009953.

#### Contact:

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#### TECHNICAL SALES OFFICE HELP LINE **0844 8009953**

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:

**Mike Wye & Associates Ltd.**  
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