

Factsheet



SupaSoft redefines home insulation by transforming everyday plastic waste into lifetime energy savings. By repurposing recycled polyester fibres into high-performance loft insulation, this innovative material locks away plastic waste for decades.

SupaSoft provides a highly effective thermal barrier that actively reduces your property's carbon footprint while keeping plastic waste out of landfills and incinerators.

Engineered using the same safe technology found in everyday clothing and bedding, SupaSoft acts like a high-performance duvet for your loft. It is non-toxic and free from fibreglass, and respiratory irritants, meaning it can be safely handled without gloves or protective gear. The result is a stress-free installation process and a healthier, warmer living space.

Best For

- Lofts
- Can also be used for floors, sheds and vans

Key Information

- Contains recycled materials – >95%
- Made in the UK
- Manufactured to ISO 9001 & 14001
- Recyclable
- Sound Absorption - NRC 1.00 @ 100mm
- Thermal Conductivity - 0.040 W/mK
- Thickness 50mm, 100mm and 150mm
- Vapour Open
- Width 370mm and 570mm

Why Insulate with SupaSoft insulation?

Over half of UK packaging waste is buried or incinerated. Incineration releases trapped fossil carbon into our atmosphere. We need a better solution that keeps this material out of circulation and puts waste to its best possible use.

Giving Waste a Durable Purpose

While plastic waste exists, we should give it a long-term purpose. Repurposing polyester into home insulation locks that plastic away, drastically reducing the likelihood of it harming the environment for decades.

Familiar Comfort

We use the thermal bonding and polyester fibres found in puffer jackets and pillows. Insulating your loft with SupaSoft is essentially like laying a massive, high-performance 75-tog duvet across your home.

Made for Long-Term Performance

Our fine, springy polyester fibres ensure the insulation maintains its thickness and retains heat efficiently. Combined with advanced thermal bonding, this creates a long-lasting blanket providing reliable thermal performance and energy savings for decades.

Safe and Healthy Insulation

Non-toxic chemicals and free from off-gassing, and airborne irritants, SupaSoft helps create a healthier indoor environment. It is durable, eco-friendly insulation engineered to quietly protect your home, your family, and your wallet.

Easy and Safe to Install

Utilising soft, non-hazardous recycled fibres, SupaSoft is safe to handle without gloves or protective clothing. Enjoy a stress-free, itch-free installation that immediately creates a cosier, safer living space.

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

Transforming Bottles Into Savings

An average loft project rescues nearly 12,000 single-use plastic bottles from landfills or incinerators. Our thermal bonding locks this recycled plastic into high-performance insulation, actively cutting your home's carbon footprint.

Eden Renewable Innovations Ltd

Sales & General Enquiries: 017684 86285 | enquiries@supasoftinsulation.com

www.supasoftinsulation.com



Specifications

- Dimensional Stability to EN 1604 – Pass
- Fire Classification – EuroClass E
- Flammability & Smoulder Resistance (BS 5803-4) – Pass
- Manufactured to ISO 9001 & 14001
- Performance
- Recoverability and Thickness (EN 823) – Pass
- Recyclable
- Recycled Content – >95%
- Sound Reduction - $R_w = 40\text{dB}$
- Specific Heat Capacity - $1000 \text{ Jkg}^{-1}\text{K}^{-1}$
- Thermal Conductivity - $0.040 \text{ Wm}^{-1}\text{K}^{-1}$
- Vapour Resistivity - $5 \text{ MN}\cdot\text{s}\cdot\text{g}^{-1}\text{m}^{-1}$
- Water Absorption (@100% RH) – 0% w/w

Climate Impact

	Cradle to Gate Impact	Product Lifecycle	Product Carbon Footprint
Standard	EN15804	EN15804	PAS 2050*
Stage	A1-A3	A1-C4	60 year
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

Sizes

- Thicknesses: 50mm, 100mm, 150mm
- Widths: 370mm, 570mm
- Roll Lengths: 10.00m (50mm), 5.00m (100mm), 3.5m (150mm).

R-Values

Thickness (mm)	Thermal Resistance (Km ² W)
50	1.25
100	1.25
150	3.75
200	5
250	6.25
300	7.5

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.



 **EPD**
INTERNATIONAL EPD SYSTEM



Eden Renewable Innovations Ltd

Sales & General Enquiries: 017684 86285 | enquiries@supasoftinsulation.com

www.supasoftinsulation.com

