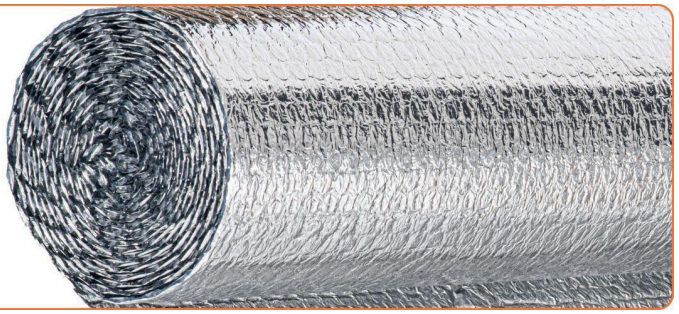
SuperFOIL®

DATA SHEET

SFBA

MULTIFOIL INSULATION



ROOF

WALL

FLOOR

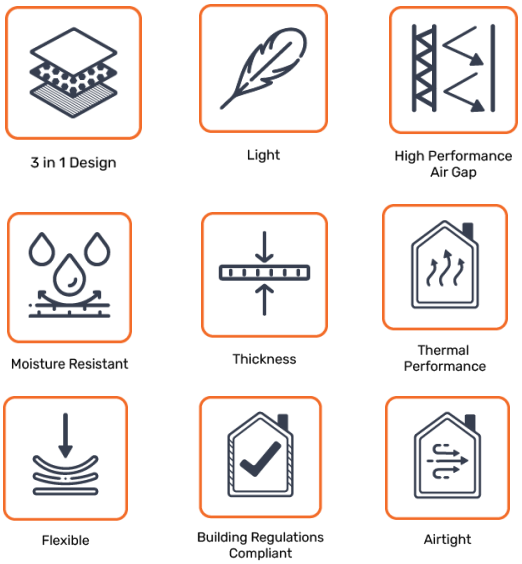
SuperFOIL SFBA MP is a versatile, high-performance insulation solution with a built-in vapour control layer and reflective foil surface. It blocks up to 95% of radiant heat, reducing heat loss in winter and minimising solar heat gain in summer, making it an efficient choice for a variety of applications.

✔ **Thickness:**
Minimal bulk for maximum space efficiency.

✔ **Versatility:**
Suitable for standalone or hybrid installations.

✔ **Dimensions:**
Available in various sizes to fit different needs

✔ **Installation:**
Can be installed in new builds or retrofitted in existing structures.



PROPERTY	TEST METHOD	DECLARED VALUE
Thickness	EN823	3mm
Weight		5kg
Length	EN1898-2	50m / 25m
Width		0.75m / 1.5m
DECLARED THERMAL PERFORMANCE		
Horizontal Heat Flow	NEN EN 16012 : 2012 BS EN 12667:2001	NPD
Core R-Value		0.12
Declared Emissivity		0.03
TENSILE STRENGTH		
Longitudinal direction	EN 12311-1	138N/50mm
Transversal direction		175N/50mm
Elongation (Longitudinal)		18%
Elongation (Transversal)		19%
RESISTANCE TO TEARING, NAIL SHANK		
Longitudinal direction	EN 12310-1	75N
Transversal direction		100N
WATER VAPOUR TRANSMISSION		
Vapour Resistance of external layer	EN 1931	1200MNs/g
Water Vapour Diffusion Resistance		240Sd
WATERTIGHTNESS	EN 1928:2000	W1
AIR PERMEABILITY	NPD	NPD
FLEXIBILITY AT LOW TEMP	EN 1109	-40°C
DIMENSIONAL STABILITY	NPD	NPD
REACTION TO FIRE	EN 13501-1	Class F

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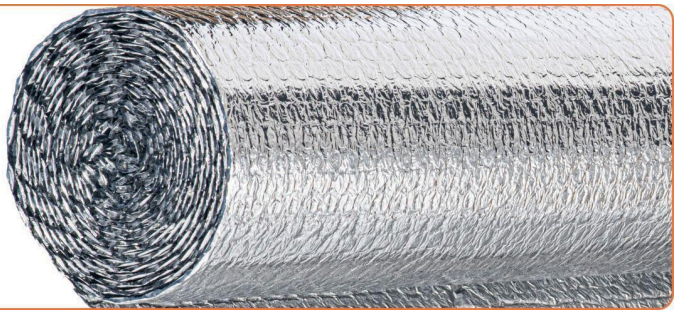

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End-of-Life Guidance for SFBA Insulation

Product Overview:
SFBA is a multi-layer reflective insulation material primarily composed of aluminium foil and polyethylene-based components. It is designed to provide thermal performance benefits while being lightweight and durable.

Recyclability & Disposal:

- Aluminium Foil Layers: Aluminium is a highly recyclable material. If separated, the foil can be processed by metal recycling facilities. However, due to the lamination process, mechanical separation may be required.
- Polyethylene Core: The polyethylene component is not biodegradable but may be recyclable depending on local facilities. Some industrial recycling centres accept PE-based materials.
- Adhesives & Lamination: Due to the bonding process, SFBA is classified as a composite material, which can limit direct recycling options. However, it can still be repurposed for secondary applications (e.g., insulation in non-critical areas, packaging, or protective coverings).

Recommended Disposal Options:

1. Recycling: Check with local recycling centres to determine if they accept composite materials or separated aluminium and polyethylene.
2. Repurposing: SFBA can be reused for various non-construction applications, such as insulating sheds, garages, or packaging purposes.
3. General Waste: If recycling is not an option, SFBA can be disposed of in non-recyclable waste streams. It does not contain hazardous materials but should be disposed of in accordance with local waste management regulations.

Environmental Considerations:

- While SFBA is not biodegradable, its durability allows for long-term use, reducing waste generation.
- When possible, reuse or recycle components to minimise environmental impact.

For further information or specific recycling queries, please contact your local waste management service or reach out to our support team.