

Technical Data

Thermobreak® **ACOUSTIPLUS**

|                                           |                                                                                                             |                                                                                                                                                                       |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MATERIAL                                  |                                                                                                             | Physically cross-linked, partially open cell polyolefin foam with factory applied reinforced aluminium foil facing, and optional pressure sensitive adhesive backing. |
|                                           | Metric                                                                                                      | Imperial                                                                                                                                                              |
| Density                                   | 25kg/m <sup>3</sup>                                                                                         | 1.5lb/ft <sup>3</sup>                                                                                                                                                 |
| Operating Temperature Range (no adhesive) | -80°C to 100°C                                                                                              | -112°F to 212°F                                                                                                                                                       |
| Water Absorption (ASTM C1763)             | < 0.3% v/v (Procedure B, 24 hours)                                                                          |                                                                                                                                                                       |
| Mould Resistance (ASTM C1338)             | Zero Growth                                                                                                 |                                                                                                                                                                       |
| ASTM E84 (UL 723)                         | Complies (NFPA 90A & B) (tested at 25mm thickness)<br>Flame Spread Index: ≤ 25<br>Smoke Develop Index: ≤ 50 |                                                                                                                                                                       |
| Thermal Conductivity (ASTM C518)          | 0.035 W/m.°K<br>(@ 23°C mean temperature)                                                                   | 0.21 BTU.in/h.ft <sup>2</sup> .°F<br>(@ 73°F mean temperature)                                                                                                        |
| VOC Emission Rate (ASTM D5116)            | Low VOC                                                                                                     |                                                                                                                                                                       |

\*Technical data may be plant specific. Please consult the Thermobreak AcoustiPlus Technical Data Sheet for full technical data.



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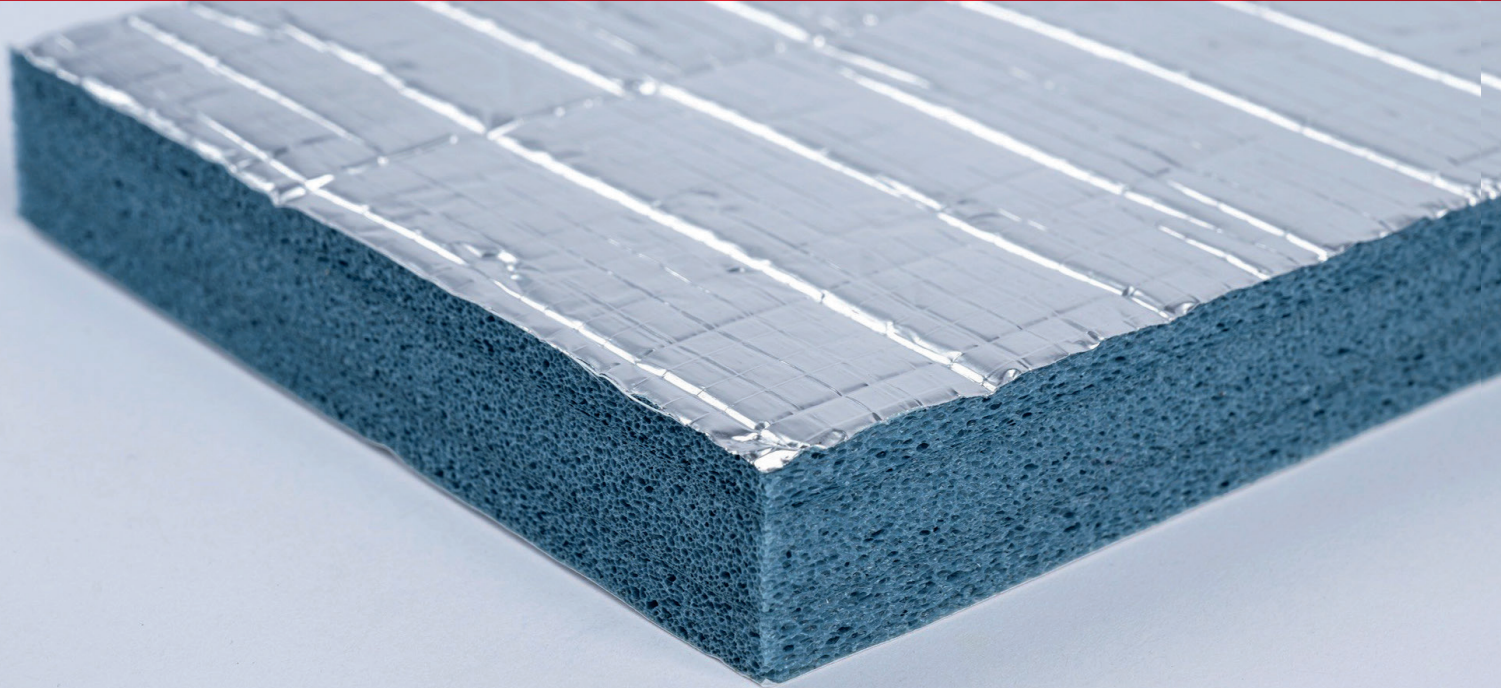
**THERMOBREAK®**



**THERMOBREAK®**

High-performance  
Thermal & Acoustic Insulation

Thermobreak®  
**ACOUSTIPLUS**



|                                                       |                                               |                                            |                                                |
|-------------------------------------------------------|-----------------------------------------------|--------------------------------------------|------------------------------------------------|
| 0.55 NRC                                              | < 0.3%                                        | 25kg/m³                                    | Zero Growth                                    |
| Excellent sound absorption at a range of thicknesses. | Exceptionally low water absorption by volume. | Lightweight, flexible and fast to install. | Very resistant to mould and fungi propagation. |

## Acoustic Innovation. Engineered.

Thermobreak AcoustiPlus is a revolutionary duct liner that changes everything. Our fibre-free, physically cross-linked foam provides exceptional acoustic properties, whilst also preventing bacterial growth and odours.

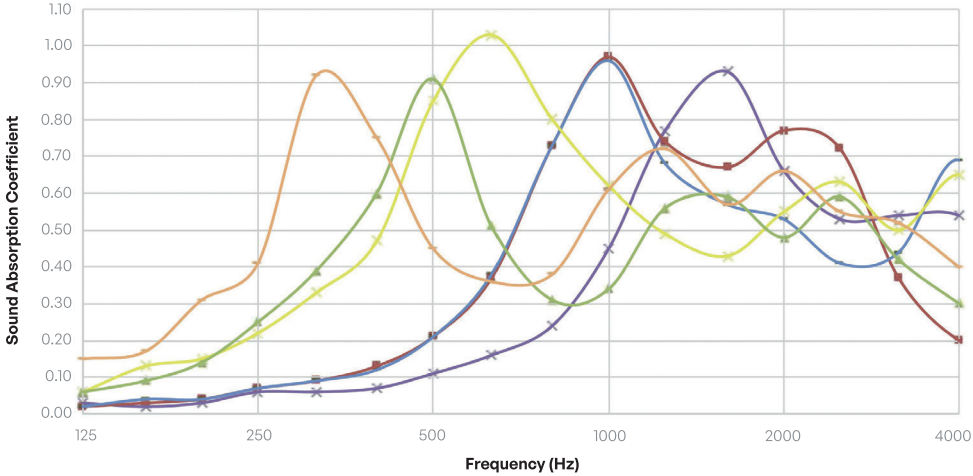
Thermobreak AcoustiPlus is a next-generation duct liner, that is fibre-free and demonstrates excellent acoustic properties, even at low thicknesses.

Our **reinforced aluminium foil barrier** provides a built in physical protection layer for the insulation, whilst our **proprietary tissue-based acrylic adhesive system** ensures 100% coverage of the insulation, allowing a complete bond to the substrate. Our adhesive has the added benefit of being repositional, allowing you to realign the insulation multiple times, without any tearing or adhesive loss.

Thermobreak AcoustiPlus has **extremely low water absorption**, preventing mould and bacterial growth that is commonly associated with fibrous duct lining materials.

Thermobreak® Acoustiplus Sound Absorption Coefficients (ISO 354)

- Acoustiplus 5mm
- Acoustiplus 10mm
- Acoustiplus 15mm
- Acoustiplus 25mm
- Acoustiplus 50mm
- Acoustiplus 54mm



## THE TECHNOLOGY THAT CHANGED EVERYTHING



Physically Cross-linked® with Sekisui Technology

## Physically Cross-linked. Performance Perfected.

We didn't just improve existing insulation - we revolutionised it. Our pioneering physically cross-linked polyolefin technology, developed by Sekisui Chemical, created a superior cell structure that delivers an industry leading thermal conductivity, exceptional vapour resistance, and unmatched durability.

Our proprietary physical cross-linking process produces smaller, more evenly distributed cells, that maintain performance for decades. The result? Insulation that others are still trying to match. While competitors catch up to yesterday's innovation, we continue pushing the boundaries and setting new benchmarks in performance.

But technology means nothing without real-world solutions. From preventing condensation on ducts and pipes, to meeting the strictest rail safety standards, our innovations solve actual challenges. Every product is engineered for conditions specific to your environment, and backed by our comprehensive technical support.

### Size availability

Thermobreak® **ACOUSTIPLUS**

| Material Thickness |          | Width  |          | Length         |               |
|--------------------|----------|--------|----------|----------------|---------------|
| Metric             | Imperial | Metric | Imperial | Metric         | Imperial      |
| 5mm                | 3/16"    | 1200mm | 47.2"    | 50m (roll)     | 164' (roll)   |
| 10mm               | 3/8"     | 1200mm | 47.2"    | 20m (roll)     | 65.6' (roll)  |
| 15mm               | 5/8"     | 1200mm | 47.2"    | 20m (roll)     | 65.6' (roll)  |
| 25mm               | 1"       | 1200mm | 47.2"    | 2300mm (sheet) | 90.5" (sheet) |
| 50mm               | 2"       | 1200mm | 47.2"    | 2300mm (sheet) | 90.5" (sheet) |
| 54mm               | 2.1"     | 1200mm | 47.2"    | 2300mm (sheet) | 90.5" (sheet) |

\*Other sizes available upon request