Technical Data

Thermobreak® **NO CLAD**

MATERIAL	Physically cross-linked, closed cell polyolefin foam with factory applied heavy duty multilayer composite facing with a specially developed UV and weather durable coating, and optional pressure sensitive adhesive backing.

	Metric	Imperial
Density	25kg/m^3	1.5lb/ft^3
Operating Temperature Range (no adhesive)	-80°C to 100°C	-112°F to 212°F
Thermal Conductivity (ASTM C518)	0.032 W/m.°K (@23°C mean temperature)	0.22 BTU.in/h.ft^2.°F (@ 73°F mean temperature)
UV Resistance (ISO 4892-3, ISO 1663)	No change in performance or appearance (3000 hour QUV exposure)	
Puncture Resistance (ASTM D4833)	> 400N	
ASTM E84 (UL 723)	Complies (NFPA 90A & B) (tested at 25mm thickness) Flame Spread Index: ≤ 25 Smoke Develop Index: ≤ 50	
VOC Emission Rate (ASTM D5116)	Low VOC	

*Technical data may be plant specific. Please consult the Thermobreak No Clad Technical Data Sheet for full technical data.

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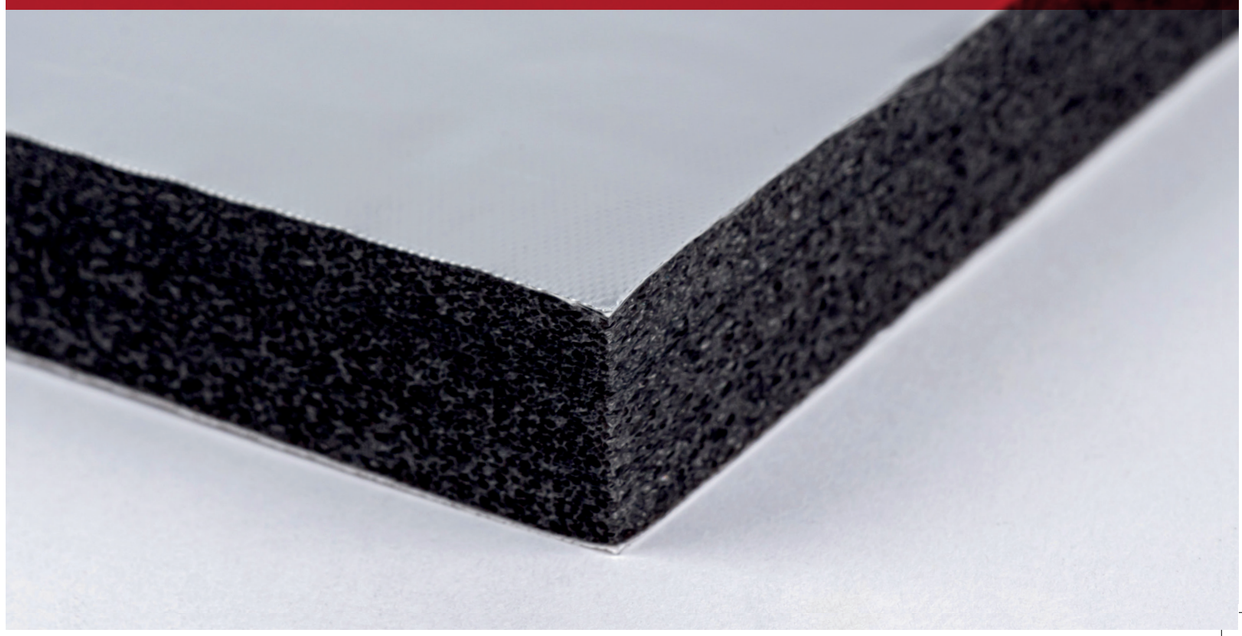
THERMOBREAK®

SEKISUI
FOAM INTERNATIONAL

THERMOBREAK®

High-performance
Thermal & Acoustic Insulation

Thermobreak®
NO CLAD



0.032 W/m.°K	UV Resistant	25kg/m^3	>400N
The lowest thermal conductivity of any flexible foam insulation.	Accelerated QUV testing shows no change in performance (3000 hours).	Lightweight, flexible and fast to install.	Superior puncture resistance for harsh outdoor conditions.

External Protection. Redefined.

Thermobreak No Clad is our revolutionary "pre-cladded" external insulation. With its innovative ultra-tough facing, Thermobreak No Clad can withstand high levels of UV and harsh outdoor conditions, removing the need for secondary cladding.

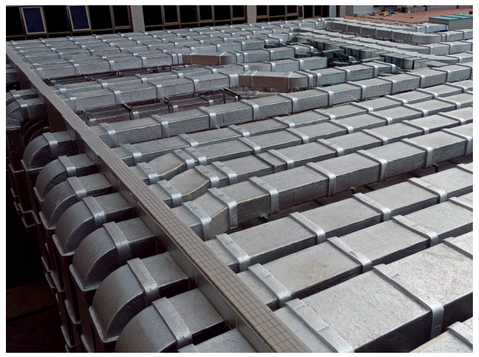
Thermobreak No Clad is supplied with a factory applied, ultra-tough multilayer facing, and a repositional acrylic tissue adhesive system. We use the highest quality materials in our manufacturing process, ensuring longevity and continuous energy savings.

Our **UV and puncture resistant ultra-tough facing** provides a built in physical protection layer for the insulation, that is engineered to replace traditional sheet metal cladding in outdoor environments. With its proprietary coating, Thermobreak No Clad is resistant to corrosion, weathering and UV.

Thermobreak's proprietary **tissue-based acrylic adhesive system** ensures 100% coverage of the insulation, allowing a complete bond to the subsrate. Our adhesive has the added benefit of being repositional, allowing you to realign the insulation multiple times, withour any tearing or adhesive loss.

With its **closed cell structure**, Thermobreak No Clad has near zero water absorption, ensuring performance does not degrade over time.





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 avalilability

Thermobreak® **NO CLAD**

Material Thickness		Sheet Dimensions		Roll Dimensions	
Metric	Imperial	Metric	Imperial	Metric	Imperial
5mm	3/16"	2300mm x 1200mm	90.5" x 47.2"	1200mm x 50m	47.2" x 164'
10mm	3/8"	2300mm x 1200mm	90.5" x 47.2"	1200mm x 20m	47.2" x 65.6'
12mm	1/2"	2300mm x 1200mm	90.5" x 47.2"	1200mm x 20m	47.2" x 65.6'
15mm	5/8"	2300mm x 1200mm	90.5" x 47.2"	1200mm x 20m	47.2" x 65.6'
20mm	3/4"	2300mm x 1200mm	90.5" x 47.2"	1200mm x 20m	47.2" x 65.6'
25mm	1"	2300mm x 1200mm	90.5" x 47.2"	1200mm x 15m	47.2" x 49.2'
30-50mm	1 3/16" - 2"	2300mm x 1200mm	90.5" x 47.2"	N/A	N/A

*Other sizes available upon request