Technical Data

Thermobreak® **NO CLAD** TUBE

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	-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)
FM Approval (FM 4924 - tube)	Certified (up to 50mm thickness and 219mm (8") ID)	
UV Resistance (ISO 4892-3, ISO 1663)	No change in performance or appearance (3000 hour QUV exposure)	
Puncture Resistance (ASTM D4833)	> 400N	
VOC Emission Rate (ASTM D5116)	Low VOC	

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

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THERMOBREAK®

SEKISUI
FOAM INTERNATIONAL

THERMOBREAK®

High-performance
Thermal & Acoustic Insulation



0.032 W/m.ºK	UV Resistant	FM Approved	>400N
The lowest thermal conductivity of any flexible foam insulation.	Accelerated QUV testing shows no change in performance (3000 hours).	Superior fire performance tested to global standards.	Superior puncture resistance for harsh outdoor conditions.

Pre-Cladded. Pre-Formed.

Thermobreak No Clad Tube delivers all the benefits of our No Clad range in a convenient pipe section form. With its innovative ultra-tough facing, it can withstand harsh outdoor conditions, whilst still being simple and fast to install.

Thermobreak No Clad Tube is supplied with a factory applied, ultra-tough multilayer facing, in a convenient pre-formed pipe section, ready for immediate installation. We use the highest quality materials in our manufacturing process, ensuring longevity and continuous energy savings.

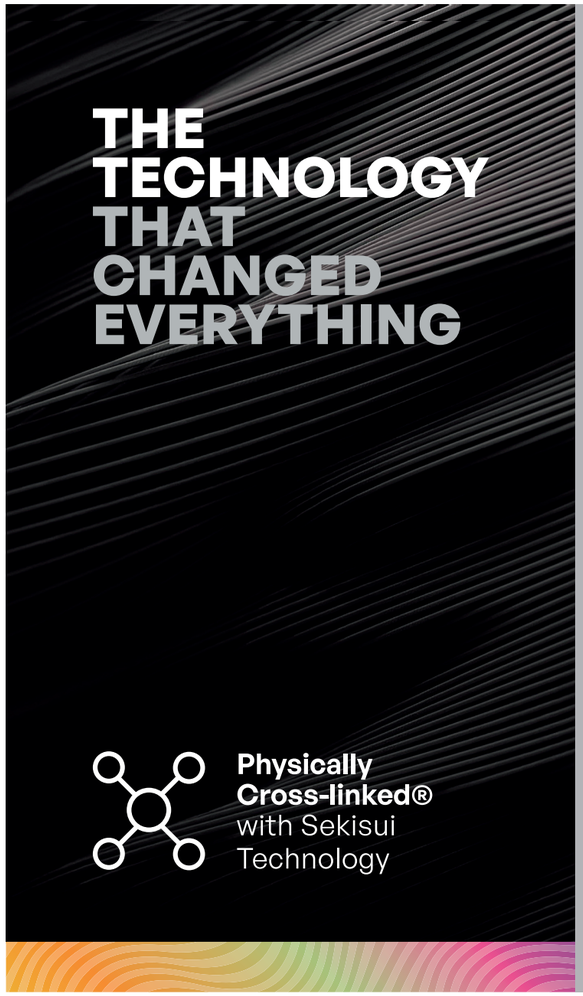
Our **UV and puncture resistant ultra-tough facing** provides a built in physical protection layer for the insulation, that is engineered to replace traditional sheet metal cladding in outdoor environments. With its proprietary coating, Thermobreak No Clad is resistant to corrosion, weathering and UV.

Thermobreak's **proprietary pipe forming technology** allows us to provide the largest range of wall thicknesses and pipe diameter sizes. Our physically cross-linked technolgy ensures that our tubes are very accurate in diamater and roundness, allowing a fast and simple installation.

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







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® **NO CLAD** TUBE

Wall Thickness		Minimum ID		Maximum ID	
Metric	Imperial	Metric	Imperial	Metric	Imperial
15mm	5/8"	7mm	1/4"	610mm	24"
20mm	3/4"	7mm	1/4"	610mm	24"
25mm	1"	7mm	1/4"	610mm	24"
30mm	1 1/4"	10mm	3/8"	610mm	24"
40mm	1 5/8"	12.7mm	1/2"	610mm	24"
50mm	2"	12.7mm	1/2"	610mm	24"
60mm	2 3/8"	12.7mm	1/2"	610mm	24"
65mm	3 3/8"	12.7mm	1/2"	610mm	24"

*Other sizes available upon request