

SEKISUI FOAM AUSTRALIA
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TECHNICAL INFORMATION

TECHNICAL DATA SHEET

Thermobreak[®] Solar

Material:	Physically (irradiation) crosslinked closed cell polyolefin foam with factory applied reinforced aluminium foil and 6mm highly heat resistant internal layer
Density:	25 kg/m ³ (foam core only)
Thermal Conductivity: (ASTM C518)	0.035 W/m.°K (@ 23°C mean temperature)
Water Vapour Permeability: (ASTM E96)	2.3 x 10 ⁻¹⁵ kg/Pa.s.m (0.0084 mg.m/N.h)
Water Vapour Permeance:	1.95 x 10 ⁻⁴ g/MN.s
Permeability Resistance Factor:	μ > 80,000
Resistance to fungi: (ASTM G21)	Zero Growth
Ozone Resistance:	Excellent
UV Resistance:	Excellent
Fire Performance: (AS 1530.3)	Ignitability Index: 0 Spread of Flame Index: 0 Heat evolved Index: 0 Smoke Developed Index: 0 – 1
Operating Temperature Range:	-40 °C ~ +160 °C
Intermittent Temperature Exposure:	+190 °C

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TOLERANCES

The following tables list tolerances for thickness and density of standard Thermobreak[®] Solar products:

Thickness	
Nominal Thickness	Tolerance
1.5mm	-1.0mm / +2.0mm
Other thicknesses and/or tolerances subject to confirmation.	

Density* (foam only)	
Nominal Density	Tolerance
25 kg/m ³	± 10%
*Applies to the foam core. The density of Thermobreak with reinforced aluminium foil will be higher.	

COUNTRY OF MANUFACTURE

Thermobreak[®] Solar insulation is manufactured in Australia.



This information on Sekisui Foam International products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.



Recommendations as to methods of post fabrication, application and use of Sekisui Foam International products are based on our experience and knowledge of the characteristics of our products and are given in good faith. As producer of the material we have no control over the application of Sekisui Foam International products and no legal responsibility is accepted for such recommendations. In particular, no responsibility is accepted by us for any system in which Sekisui Foam International products are utilised or for any application.



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