

THERMOBREAKTM solar

High Temperature Pipe Insulation for Solar Heating



- SLIDE ON
- UV RESISTANT
- 160°C OPERATING TEMPERATURE



SEKISUI

FOAM
INTERNATIONAL
Global Foam Solutions



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Thermobreak is a trademark of Sekisui Chemical Co. Ltd.

Features

- > Designed for long term outdoor exposure to high water temperatures encountered in solar heating.
- > Heat bonded factory applied reinforced aluminium foil.
- > Highly heat resistant internal layer.
- > Flexible, tough and durable.
- > Excellent compression resistance due to crosslinked foam structure.
- > Superior insulating properties compared to other flexible closed cell foams.
- > Superior UV resistance compared to PVC nitrile elastomeric foams.
- > Contains up to 50% recycled content.
- > No cladding required.



Size Availability

15mm wall thickness to fit all standard copper pipe diameters from 12.7mm (1/2") to 32.1mm (1 1/4").
Other sizes and thicknesses made to order.

Tube length: 2 meters
(Other lengths available on request)

Technical Data

Material:	Electron beam polyolefin foam faced with factory applied reinforced foil and 6mm highly heat resistant internal layer
Density:	25kg/m ³ (foam only)
Thermal Conductivity: (ASTM C518)	0.035 W/mK (@ 23°C mean temperature)
Water Vapour Permeance: (ASTM E96) 25mm thickness	3.3 x 10 ⁻⁴ g/MN.s
Permeability resistance factor:	μ>20,000
Resistance to Fungi & Mould: (ASTM G21)	Excellent
Ozone Resistance:	Excellent
UV Resistance: (ISO 4892.3; AS 3706.11)	Excellent
Operating Temperature:	-40°C to 160°C
Intermittent Temperature:	190°C

Flammability

AS 1530.3 (1999)

Spread of Flame Index:	0
Heat Evolved Index:	0
Ignitability Index:	0
Smoke Develop Index:	0-1

Compliance

Complies with the Building Code of Australia requirements under AS/NZS 4859.1, AS/NZS 3500.4, AS/NZS 1530.3.