

# **THERMOBREAK<sup>®</sup> Solar**

**HIGH TEMPERATURE PIPE INSULATION FOR SOLAR HEATING**



Thermobreak<sup>®</sup> Solar is a high temperature pipe insulation for solar water heating systems.

- Slide on
- UV Resistant
- 160°C Operating Temperature

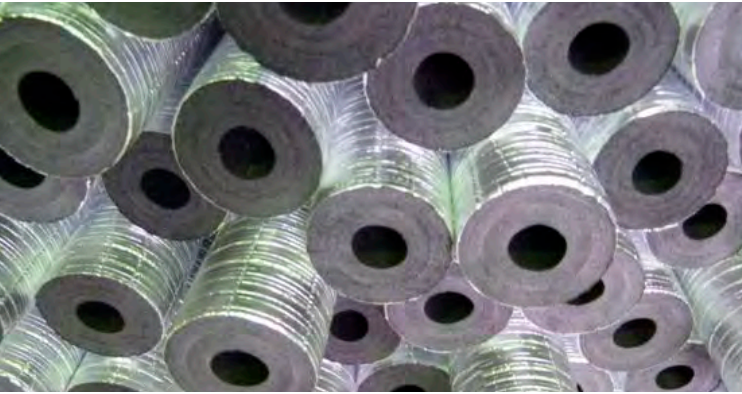
**SEKISUI**

**FOAM**  
**INTERNATIONAL**  
Global Foam Solutions

**PHYSICALLY**  
**CROSSLINKED**  
SEKISUI TECHNOLOGY

# THERMOBREAK<sup>®</sup> Solar

## TECHNICAL SPECIFICATIONS



### 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 50mm (2").

For Other sizes and thicknesses, contact Sekisui Foam Australia.

(Other lengths available on request)

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### Technical Data

Material:	Physically (irradiation) crosslinked closed cell polyolefin foam with factory applied reinforced aluminium foil and 6mm highly heat resistant internal layer
Density:	25kg/m <sup>3</sup> (foam only)
Thermal Conductivity: (ASTM C518)	0.035 W/mK (@ 23°C mean temperature)
Water Vapour Permeance: (ASTM E96) 12mm thickness	0.000195 µg/N.s
Permeability resistance factor:	µ>80,000
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.

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