



# Certificate of Conformity

**Certification Body:**



SAI Global Certification Services Pty Limited

(ACN 108 716 669)  
Trading as "SAI Global"

JAS-ANZ Accreditation No. Z1440295AS

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Website: [www.saiglobal.com](http://www.saiglobal.com)

**Certificate Holder:**

SEKISUI PILON PTY LTD  
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**Certificate number: CM20068**

**THIS TO CERTIFY THAT**

## SEKISUI PILON - THERMOBREAK

**Type and/or use of product:**

Thermobreak is a thermal insulation product for use on service pipe and air-conditioning ductwork.

**Description of product:**

Thermobreak® is a flexible thermal insulation material made from physically cross-linked, closed-cell, polyolefin foam, and thermally fused to pure reinforced aluminium foil.

**COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)**

**BCA 2016 Amdt. 1**

	Volume One		Volume Two	
<b>Performance Requirement(s)</b>	N/A	N/A	N/A	N/A
<b>Deemed-to-Satisfy Provision(s):</b>	<p><b>C1.10</b> Inter alia Spec. C1.10, Clause 5 &amp; Clause 7</p> <p><b>J5.2(d)(i) &amp; (ii)</b> Inter alia Spec. J5.2b, Clause 3</p> <p><b>J5.2(d)(ii)</b> Inter alia Spec. J5.2c, Clause 2</p>	<p><b>Fire Resistance</b> Fire hazard properties; clause 5 (air-handling ductwork) &amp; clause 7 (other materials)</p> <p><b>Energy Efficiency</b> Air-conditioning systems Insulation - Ductwork</p> <p><b>Energy Efficiency</b> Air-conditioning systems Insulation - Piping</p>	<p><b>3.12.5.1</b></p> <p><b>3.12.5.2</b></p>	<p><b>Energy Efficiency</b> Insulation of Services</p> <p><b>Energy Efficiency</b> Central heating water piping</p>

SAI Global Certification Services

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SAI Global Assurance

Daniel Darakas – Unrestricted Building Certifier

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**Date of expiry: 05 / 12 / 2021**



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**State or territory variation(s):**

<b>New South Wales:</b>	<b>NSW C1.10</b> Inter alia Spec. C1.10, Clause 7	<b>Fire Resistance</b> Fire hazard properties	<b>NSW 3.12</b> Does not apply	<b>Energy Efficiency</b> Basix applies
	<b>NSW J5.2</b>	<b>Energy Efficiency</b> (only applicable to Class 3 & Class 5 to 9 buildings)		
<b>Northern Territory:</b>	<b>NT Section J</b>	<b>Energy Efficiency</b> (does not apply to Class 3 & Class 5 to 9 buildings)	<b>NT 3.12</b>	<b>Energy Efficiency</b> (In NT, BCA 2009 applies for part 3.12)
<b>South Australia:</b>			<b>SA 3.12</b>	<b>Energy Efficiency</b> (for the purpose of this part a sunroom or like is deemed to be Class 10a Building and must comply with 3.12.1.6)

**SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B**

**Limitations and conditions:**

1. The product must be installed in accordance with the Sekisui Pilon – Thermobreak Installation instructions;
  - Thermobreak Thermal Insulation Installation Instructions (Date of Publication: June 2018).
2. The product must be used for its intended purpose.

**Building classification/s:**

- Volume 1 – Class 2 to Class 9 buildings  
Volume 2 – Class 1 and Class 10 buildings

**Scope of certification:** The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website [www.abcb.gov.au](http://www.abcb.gov.au). This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

**Disclaimer:** The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

## APPENDIX A – PRODUCT TECHNICAL DATA

### A1 Type and intended use of product

Refer to Page 1 of this certificate.

### A2 Description of product

Refer to Page 1 of this certificate.

### A3 Product specification

- Thermobreak Thermal Insulation Installation Instructions (Date of Publication: June 2018).
- Thermobreak Tube Pipe Insulation (Date of publication: April 2016)
- Thermobreak Technical Information Bulletin – Thermobreak tube R-Value Tables Australia (Date of Publications: September 2018)

### A4 Manufacturer and manufacturing plant(s)

SEKISUI PILON PTY LTD. 1-5 Parraweena Rd, Taren Point, NSW, 2229, Australia

### A5 Installation requirements

Refer to Page 2 of this certificate and the following;

- Thermobreak Thermal Insulation Installation Instructions (Date of Publication: June 2018).  
*This contains the specification and installation methods of the product for different scenarios and configurations.*
- Thermobreak Tube Pipe Insulation (Date of publication: April 2016)
- Thermobreak Technical Information Bulletin – Thermobreak tube R-Value Tables Australia (Date of Publications: September 2018)

### A6 Other relevant technical data

- Building Code of Australia Volume 1 2016.1 and Building Code of Australia Volume 2 2016.
- Australian/New Zealand Standard AS/NZS 4859.1-2002 (Amdt1): Materials for the Thermal Insulation of Buildings Part 1: General Criteria and Technical Provisions.
- Australian/New Zealand Standard AS/NZS 1530.3-1999: Simultaneous determination of ignitability, flame propagation, heat release and smoke release.

## APPENDIX B – EVALUATION STATEMENTS

### B1 Evaluation methods

The system has been assessed as complying with the identified Performance Requirements of the BCA 2016. This involved a review of product specifications, test reports, installation manuals, and associated documentation.

- a. Installation procedures.
- b. The ability of the product to act as an insulation material.
- c. Fire Hazard properties and insulation properties
  1. Fire hazard properties – A2.2(a)(i) (Volume 1) AWTA- Australian Wool Testing Authority, Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat release and Smoke release. Test Number 15-002190 (dated 22/05/2015).
  2. Thermal Insulation performance – A2.2(a)(iii) (volume 1) R&D Services – Thermal Resistance test report physically Cross-linked Polyolefin Foam. Report: RD14609 (Test Number: RD142771TR) (dated November 7, 2014).

### B2 Reports

- **AWTA- Australian Wool Testing Authority, Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat release and Smoke release. Test Number 15-002190 (dated 22/05/2015).** *This report provides the results of testing to AS/NZS 1530.3-1999 simultaneous ignitability, Flame propagation, heat release and smoke release.*
- **R&D Services – Thermal Resistance test report physically Cross-linked Polyolefin Foam. Report: RD14609** (Test Number: RD142771TR) (dated November 7, 2014). *This report provides the results of testing to ASTM C 518-10 and specifies the thermal resistance of the material.*