



# Certificate of Conformity

## Certification Body:



SAI Global Certification Services Pty Limited

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

JAS-ANZ Accreditation No. Z1440295AS

Address: 680 George St, Sydney, NSW 2000

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

## Certificate Holder:



Kingspan Insulation Pty Ltd

25 Oherns Road, Somerton VIC 3062

Tel: 1300 247 235 Fax: 1300 247 329

[info@kingspaninsulation.com.au](mailto:info@kingspaninsulation.com.au)

Certificate number: CM20241

### THIS TO CERTIFY THAT

## Kooltherm® K15 Rainscreen Board

### Type and/or use of product:

The Kooltherm K15 Rainscreen Board is a thermal insulation for use behind rainscreen cladding systems.

### Description of product:

The K15 Rainscreen Board consists of three layers as follows:  
The facing on both sides is a low emissivity composite foil autohesively bonded to the insulation core during manufacture.  
The core is a fibre free rigid thermoset phenolic insulation.

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

**BCA 2019**

Performance Requirement(s)	Volume One		Volume Two	
	N/A	N/A	N/A	N/A
<b>Deemed-to-Satisfy Provision(s):</b>	<b>Spec. C1.10 clause 7</b>	<b>Fire Hazard Properties</b> Other Materials	<b>3.12.1.1</b>	<b>Building fabric</b> - Building fabric thermal insulation. (must be used in conjunction with other building elements to achieve a total R value outlined in clause 3.12.1.4 'External walls') subject to state and territory variations.
	<b>J1.2</b>	<b>Building Fabric</b> – Thermal construction — general (must be used in conjunction with other building elements to achieve a total R value outlined in clause J1.5 'Walls and Glazing') subject to state and territory variations.		
<b>State or territory variation(s):</b>	<b>NSW Spec. C1.10 NSW 7</b>	<b>Fire hazard properties</b> Other materials	<b>NSW-3.12</b>	<b>ENERGY EFFICIENCY</b> In New South Wales, Part 3.12 does not apply. Note: The New South Wales Additions contain energy efficiency measures that apply in New South Wales to support and complement BASIX.

SAI Global Certification Services

Heather Mahon  
Global Head of Technical Services  
SAI Global Assurance

Quintin Kleyn – Unrestricted Building Certifier

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<b>NSW Section J</b>	Section J is replaced with NSW Section J which consists of two (2) subsections: <ul style="list-style-type: none"> <li>• J(A) Energy Efficiency – Class 2 buildings &amp; Class 4 part (BASIX)</li> <li>• J(B) Energy Efficiency – Class 3 &amp; Class 5 to 9 buildings</li> </ul>	<b>NT-3.12</b>	In the Northern Territory, Part 3.12 is replaced with BCA 2009 Part 3.12.
<b>NT Section J</b>	For a Class2 building and a Class4 part of a building, Section J is replaced with Section J of BCA 2009. Section J does not apply to Class 3 and 5-9 buildings.	<b>SA-3.12</b>	In South Australia, for the purposes of this Part, a sunroom or the like is deemed to be a Class 10a building and must comply with 3.12.1.6.
<b>QLD Section J</b>	In Queensland, for a Class 2 building, Section J is replaced with Section J of BCA 2009	<b>QLD-3.12</b>	In Queensland, building work for the energy efficiency of Class 1 buildings is also regulated by the Building Act 1975 and the Queensland Development Code MP 4.1—Sustainable buildings.
		<b>ACT-3.12</b>	In the Australian Capital Territory, see the ACT Appendix for further information on application to building work on new buildings and additions to existing buildings in the ACT.

**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 “Kooltherm® K15 Rainscreen Board - Insulation for use Behind Rainscreen Cladding Systems” manual (K15, KIAU0013, Issue 6, Mar 2019)
2. This product is certified for use in **Type C** Construction as specified in the NCC 2019 Building Code of Australia, Clause C1.1 and specification C1.1 table 5.

**Building classification/s:**

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

Product Name	<b>Kooltherm® K15 Rainscreen Board</b>
Nominal Product Thickness	30mm, 40mm, 50mm, 60mm, 70mm – Other thickness available upon enquiry
Product Dimensions	2270mm x 1200mm (2.72m <sup>2</sup> )
Declared Material R-value	30mm – R1.30m <sup>2</sup> .K/W at 23°C 40mm – R1.75m <sup>2</sup> .K/W at 23°C 50mm – R2.35m <sup>2</sup> .K/W at 23°C 60mm – R2.85m <sup>2</sup> .K/W at 23°C 70mm – R3.35m <sup>2</sup> .K/W at 23°C
Declared Thermal Conductivity (λ-value)	0.023 W/m.K at 23°C (insulant Thickness 25 – 44mm) 0.020 W/m.K at 23°C (insulant Thickness ≥44mm)
Emittance	E0.20 – Foil Face

For the purposes of the NCC 2019 Building Code of Australia Volume One, Specification C1.10 clause 7, the K15 Rainscreen Board has been tested to AS 1530.3 and achieved a Spread of Flame Index of 0 and a Smoke Developed Index 2.

### A4 Manufacturer and manufacturing plant(s)

Kingspan Insulation Pty Ltd. – Manufactured in Somerton  
25 Oherns Road, Somerton, VIC, 3062, Australia

### A5 Installation requirements

Refer to Page 2 of this certificate and the following;

1. 'Kooltherm® K15 Rainscreen Board – Insulation for use Behind Rainscreen Cladding Systems' manual (K15, KIAU0013, Issue 6, Mar 2019)

### A6 Other relevant technical data

- None

## APPENDIX B – EVALUATION STATEMENTS

### B1 Evaluation methods

The product has been assessed as complying with the identified Performance Requirements of the BCA 2019. This involved a review of product specifications, test reports, installation manuals, and associated documentation.

1. Fire Hazard Properties assessment:
  - a) A2.3(2)(a) / A5.2(1)(d) - A report issued by an Accredited Testing Laboratory - ‘AWTA’ Australian Wool Testing Authority (NATA accreditation No. 1356)
2. Energy Efficiency Assessment:
  - a) A2.3(2)(a) / A5.2(1)(d) - A report issued by an Accredited Testing Laboratory – ‘AWTA’ Australian Wool Testing Authority (NATA accreditation No. 1356) & OTM Solutions (SAC accreditation No. LA-2016-0610-G)
  - b) A2.3(2)(a) / A5.2(1)(e) – A report from an appropriately qualified person - ‘AWTA’ Australian Wool Testing Authority
  - c) A2.3(2)(a) / A5.2(1)(f) - Another form of documentary evidence, such as but not limited to a Product Technical Statement - Kingspan Insulation Pty Ltd

### B2 Reports

Evaluation methods	Related Reports
Fire Hazard Properties assessment	1, 2
Energy Efficiency Assessment	3, 4, 5

1. **AWTA Product Testing, 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 17-004374 - dated 04/09/2017** (NATA accreditation No. 1356). *This test report provides the results of testing to AS/NZS 1530.3-1999 for K15 Rainscreen Board (Printed Face) and returns results for Spread of Flame index of 0 and Smoke Development Index of 2.*
2. **AWTA Product Testing, 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 17-004375 - dated 06/09/2017** (NATA accreditation No. 1356). *This test report provides the results of testing to AS/NZS 1530.3-1999 for K15 Rainscreen Board (Plain/Non-Printed Face) and returns results for Spread of Flame index of 0 and Smoke Development Index of 2.*
3. **Kingspan Thermal Value Summary Report (Kooltherm TVSR – Final – 25/03/2020)** – *This report provides a Thermal value summary Report in conformance with AS/NZS 4859.1:2018 clause 2.3.3.9, based on test reports provided by AWTA Product Testing - Test reports for 45mm and greater (Test Numbers 18-004505, 18-005882, 18-005885, 18-005886, 18-005888, 18-005889, 18-005890, 18-005891, 18-005892, 18-005893, 18-005894, ) & test reports for less than 44mm (Test Numbers 18-004500, 18-004503, 18-004504, 18-004506, 18-004507, 18-005875, 18-005876, 18-005878, 18-005881, 20-000201,)for Kingspan Kooltherm (NATA accreditation No. 1356). These reports provide results of testing to ASTM C518-2017.*
4. **Acronem Consulting Australia Pty Ltd - Thermal Conductivity Assessment of Kooltherm® K3, K5, K8, K10, K12, K17 Phenolic Foam– dated 01/08/2018** - *This assessment provides expert judgment of the thermal conductivity of Kooltherm® at varying thicknesses when tested to achieve the noted Insulation R-Values in the product brochures. This assessment is based on AWTA Test reports (Test Numbers 17-001255, 17-001265, 17-001953, 17-001955, 17-002821, 17-002824, 17-005215, 17-005218, 17-005231, 18-000777).*
5. **OTM Solutions, Material Surface Emittance Test Report. Report No. OTM2005011 - dated 18/05/2020** (SAC accreditation No. LA-2016-0610-G) - *This report provides the results to testing ASTM C1371-15 (Standard test method for determination of emittance of materials near room temperature using portable emissometers) as identified in AS4859.1:2018, for Kingspan Kooltherm K15 Rainscreen Board Foil.*