

**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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**Certificate Holder:**



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SAI Global Certification Services



Calin Moldoveanu  
President, Business Assurance  
SAI Global Assurance

**Certificate number: CM20045**

**THIS TO CERTIFY THAT**

**Kingspan Kooltherm® K17**

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

Kooltherm® K17 Insulated Plasterboard is an insulated Dry-Lining plasterboard for adhesive bonding, and can also be mechanically fixed to internal side of concrete or masonry block walls or framed walls

**Description of product:**

Kooltherm® K17 Insulated Plasterboard is a fibre-free rigid thermoset, closed cell phenolic insulation, sandwiched between a front facing of tapered edge gypsum based plasterboard, and a reverse tissue based facing, autohesively bonded to the insulation core.

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

**BCA 2022**

	Volume One		Volume Two	
Performance Requirement(s)	N/A	N/A	N/A	N/A
Deemed-to-Satisfy Provision(s):	<b>C2D11 (1)(b) &amp; (i)</b> Including S7C4 & S7C7	<b>Fire Hazard Properties</b> Wall and Ceiling linings Other Materials		
	<b>J4D3</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 J4D6 'Walls and Glazing') subject to state and territory variations.	<b>13.2.2</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 13.2.5 'External walls') subject to state and territory variations.
State or territory variation(s):	<b>NSW C2D11</b> including NSW Table S7C7	<b>Fire resistance and Stability</b> – Fire hazard properties Other materials	<b>NT Part 13.2</b>	<b>Building fabric</b> – In the Northern Territory, Part 13.2 is replaced with NT Part 13.2.



Martin Ryan – Unrestricted Building Certifier

**Date of issue: 15/12/2023**

**Date of expiry: 14/12/2026**



# Certificate of Conformity

## NSW J4D3

**Energy Efficiency** – Thermal Construction – general – *Delete J4D3 and insert NSW J4D3* (must be used in conjunction with other building elements to achieve a total R value outlined in clause NSW J4D6 ‘Walls and Glazing’).

## TAS Part 13.2

**Building fabric** – In the Tasmania, Section 13 is replaced with BCA 2019 Part 3.12.

## NSW Part 13.2.5

**Building fabric** – In NSW delete 13.2.5 and insert NSW Part 13.2.5 ‘External walls’.

## NT Part J4

**Building Fabric** - For a Class 2 building and Class 4 part of a building, Section J is replaced with Section J of BCA 2009. For Class 3 and Class 5-9 buildings, Section J of NCC 2022 does not apply and from 1 October 2023 Section J of NCC 2019 applies.

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

#### Limitations and conditions:

- The products must be installed in accordance with the relevant Kingspan Insulation Pty Ltd brochure:
  - Kooltherm® K17 Insulated Plasterboard - Insulated Dry-Lining Plasterboard for Adhesive Bonding and Mechanical Fixing (K17 KIAU0024, Issue 24, Sept. 2023)
- Kooltherm® K17 should not be used to isolate dampness nor be used in continuously damp or humid conditions.
- Only **Knauf** - Mastashield, Spanshield, Watershield, Soundshield, Fireshield, Opal, Multishield, Trurock, Trurock HD, and **Boral** - Multistop™3, Multistop™3HI, Multistop™4, Multistop™4HI, Multistop™5, Multistop™5HI, Wetstop™, Firestop® and Wet Area Firestop® are approved for use in the K17 products as part of this certification.

#### 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® K17 Insulated Plasterboard - Adhesive Bonding</b>
Nominal Product Thickness	35mm, 40mm, 50mm, 60mm, 70mm, 80mm, 90mm
Product Dimensions	2400mm x 1200mm (2.88m <sup>2</sup> ) other dimensions available upon enquiry
Declared Material R-value	35mm – R1.15m <sup>2</sup> .K/W at 23°C 40mm – R1.35m <sup>2</sup> .K/W at 23°C 50mm – R1.80m <sup>2</sup> .K/W at 23°C 60mm – R2.35m <sup>2</sup> .K/W at 23°C 70mm – R2.80m <sup>2</sup> .K/W at 23°C 80mm – R3.25m <sup>2</sup> .K/W at 23°C 90mm – R3.70m <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) 0.022 W/m.K at 23°C (insulant Thickness ≥44mm) 0.17 W/m.K at 23°C (Plasterboard thickness 10mm)
Emittance	N/A

Kooltherm® K17 Insulated Plasterboard achieves a Group 1 rating for Fire Hazard properties in accordance with AS 5367.1:2015 (Applies to compliant plasterboard facing)

### A4 Manufacturer and manufacturing plant(s)

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

### A5 Installation requirements

Refer to Page 2 of this certificate and the following;

1. 'Kooltherm® K17 Insulated Plasterboard - Insulated Dry-Lining Plasterboard for Adhesive Bonding and Mechanical Fixing (K17 KIAU0024, Issue 24, Sept. 2023)

## A6 Other relevant technical data

- **Boral Plasterboard – Technical Data for Multistop™3 Plasterboard (Issue PBPD35 July 2014).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Boral Plasterboard – Technical Data for Multistop™3HI Plasterboard (Issue PBPD36 July 2014).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Boral Plasterboard – Technical Data for Multistop™4 Plasterboard (Issue PBPD34 November 2014).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Boral Plasterboard – Technical Data for Multistop™4HI Plasterboard (Issue PBPD37 July 2014).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Boral Plasterboard – Technical Data for Multistop™5 Plasterboard (Issue PBPD39 July 2014).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Boral Plasterboard – Technical Data for Multistop™5HI Plasterboard (Issue PBPD40 July 2014).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Boral Plasterboard – Technical Data for Wetstop™ Plasterboard (Issue UB1013 03/20).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Boral Plasterboard – Technical Data for Firestop® Plasterboard (Issue UB1013 10/18).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Boral Plasterboard – Technical Data for Wet Area Firestop® Plasterboard (Issue PBPD26 Aug 2014).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Knauf Plasterboard – Technical Data for Mastashield Plasterboard (Issue May 2013).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Knauf Plasterboard – Technical Data for Spanshield Plasterboard (Issue May 2013).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Knauf Plasterboard – Technical Data for Watershield Plasterboard (Issue February 2018).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Knauf Plasterboard – Technical Data for Soundshield Plasterboard (Issue February 2020).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Knauf Plasterboard – Technical Data for Fireshield Plasterboard (Issue June 2017).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Knauf Plasterboard – Technical Data for Opal Plasterboard (Issue August 2018).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Knauf Plasterboard – Technical Data for Multishield Plasterboard (Issue August 2018).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.
- **Knauf Plasterboard – Technical Data for Trurock & Trurock HD Plasterboard (Issue June 2019).** This contains information pertaining to the plasterboard having a Group 1 fire hazard rating in accordance with BCA Spec C1.10 Fire Hazard Properties.

## 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) A2G3(2)(a) / A5G3(1)(d) - A report issued by an Accredited Testing Laboratory - 'AWTA' Australian Wool Testing Authority (NATA accreditation No. 1356), 'Warringtonfire' (NATA accreditation No. 3277), & 'BRANZ' (IANZ accreditation No. 37)
2. Energy Efficiency Assessment:
  - a) A2G3(2)(a) / A5G3(1)(d) - A report issued by an Accredited Testing Laboratory – OTM Solutions (SAC accreditation No. LA-2016-0610-G)
  - b) A2G3(2)(a) / A5G3(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, 3, 5, 6, 7
Energy Efficiency Assessment	4

1. **Warringtonfire – Reaction-to-fire test report for Kingspan Kooltherm K17 Insulated Plasterboard panels – Job No. 56093201-4 – dated 24 September 2020 – NATA 3277.** *This report documents the findings of the reaction-to-fire test for the Kooltherm K17 Insulated Plasterboard in accordance with AS ISO 9705:2003 (R2016) and AS 5637.1:2015, and returns a Group No. 1, and SMOGRARC of 1.7m2s-2 x 1000.*
2. **BRANZ – Assessment report on fire performance of various Boral plasterboard wall and ceiling products - FAR 4137 – dated 10 September 2013 – IANZ 37.** *This report provides the results to testing of Boral plasterboards Multistop™3, Multistop™3HI, Multistop™4, Multistop™4HI, Multistop™5 and Multistop™5HI (used in Kingspan K17) to AS/NZS 3837, and returns a result of Group Number 1 (for all nominated boards) and Average Specific Extinction Area of less than 250m2/kg.*
3. **AWTA Product Testing – Method for Fire Testing on Building Materials, Components and Structures – Test No. 20-004133 – dated 24/08/2020 – NATA 1356.** *This test provides the results to testing of the K10 board (used as the insulation layer in K17) to AS 1530.3 and returns a result of Spread of Flame Index of 0, and Smoke Development Index of 2.*
4. **Kingspan Thermal Value Summary Report – Kingspan TVS Kooltherm – dated 28/08/23.** *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 OTM (SAC accreditation No. LA-2016-0610-G) - Test reports for 45mm and greater (Test Numbers OTM2303015, OTM2303016, OTM2305001, OTM2305002, OTM2305003, OTM2305006, OTM2305012, OTM2306022, OTM2306024, OTM2306027 ) & reports for less than 45mm (Test Numbers OTM2302007, OTM2305004, OTM2305005, OTM2305007, OTM2305011, OTM2305014, OTM2305015, OTM2305013, OTM2306023, OTM2212012) for Kingspan Kooltherm.*

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5. **BRANZ – Assessment report on fire performance of Knauf plasterboard lining products – FAR 4659 – dated 31 March 2017.** *This report provides the results to testing of various Knauf plasterboards Mastashield, Spanshield, Watershield, Soundshield, Fireshield, Opal, Multishield, Trurock, Trurock HD (used in Kingspan K17) to AS/NZS 3837:1998, and returns a result of Group Number 1 (for all nominated board excluding the Spangrid range) and an Average Specific Extinction Area of less than 250m<sup>2</sup>/kg.*
6. **BRANZ – Assessment report on fire performance of wet-area Boral plasterboard – FAR 2189 – dated 7 August 2003.** *This report provides the results to testing of Boral wet-area (Wetstop) plasterboard (used in Kingspan K17) to AS/NZS 3837:1998, and returns a result of Group Number 1 and Average Specific Extinction Area of less than 250m<sup>2</sup>/kg*
7. **BRANZ – Assessment report on fire performance of Firestop boral plasterboard – FAR 2190 – dated 7 August 2003.** *This report provides the results to testing of Boral Firestop plasterboard (used in Kingspan K17) to AS/NZS 3837:1998, and returns a result of Group Number 1 and Average Specific Extinction Area of less than 250m<sup>2</sup>/kg*