



## 1 CERTIFICATE HOLDER DETAILS

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)  
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## 2 PRODUCT CERTIFICATION BODY



SAI Global Certification Services Pty Limited  
(ACN 108 716 669) Trading as "SAI Global"  
Operating as "Intertek & Intertek SAI Global"  
JAS-ANZ Accreditation No. Z1440295AS  
650 Lorimer Street Port, Melbourne, VIC 3207  
[www.saiglobal.com](http://www.saiglobal.com)

The complaints process for this certificate  
can be found here:  
<https://saiassurance.com.au/complaints-appeals/>

# PRODUCT CERTIFICATE

## Kooltherm® K17 Insulated Plasterboard



CERTIFICATE NO: CM20314

Original issue date: 28 November 2022

Version date: 28 November 2022

Review date: 27 November 2025

## 3 DESCRIPTION OF BUILDING METHOD OR PRODUCT

Kooltherm® K17 Insulated Plasterboard is a fibre-free rigid thermoset 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.

*Continuation of description can be found in item 11 – Supporting Information about Description.*

*Matters that should be taken into account in the use or application of the building method or product can be found in item 6 – Conditions and Limitations of Use.*

Catalogue or model identification numbers

- K17

## 4 INTENDED USE OF BUILDING METHOD OR PRODUCT

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

*Continuation of intended use can be found in item 12 – Supporting Information about Intended use.*

## 5 NEW ZEALAND BUILDING CODE PROVISIONS

Clause B1 – Structure – B1.3.1, B1.3.2, B1.3.3(a, j), B1.3.4

Clause B2 – Durability – B2.3.1(c)

Clause C3 – Spread of Fire – C3.4(a)

Clause E3 – Internal Moisture – E3.3.1 (contributes to)

Clause F2 – Hazardous Building Materials – F2.3.1

Clause H1 – Energy Efficiency – H1.3.1 (contributes to), H1.3.2E (contributes to)

*How the building method or product complies or contributes can be found in item 9 – Basis for Certification.*

*Any qualifications on the extent of that compliance can be found in item 6 – Conditions and limitations of use.*



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CERTIFICATE V2



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### CONDITIONS AND LIMITATIONS OF USE

1. Kingspan Kooltherm® K17 Insulated Plasterboard, must be installed in accordance with the manufacture's installation instructions as per below;
  - a. Kooltherm® K17 Insulated Plasterboard – Insulated Dry-Lining Plasterboard for Adhesive Bonding – K17 KIAU0003 Issue 14, June 2019
2. Kooltherm® K17 Insulated Plasterboard is not to be used to isolate dampness nor be used in continuously damp or humid conditions.
3. Kooltherm® K17 Insulated Plasterboard is certified for use in locations where a Material Group Number not better than 2-S is required, provided the thickness of an applied finish is not greater than 0.4mm.

NOTE: Together, items 3,4,5 and 6 define scope of use

#### Reference Documents:

- Kooltherm® K17 Insulated Plasterboard – Insulated Dry-Lining Plasterboard for Adhesive Bonding – K17 KIAU0003 Issue 14, June 2019

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### HEALTH AND SAFETY INFORMATION

#### Reference Documents:

- Kooltherm® Product Safety information – Issue 9, March 2017 - Contact certificate holder to obtain a copy

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### SIGNATURES

Name and Signature of the Product Certification Body's (PCB) authorised representative  
and, where different, the person assigned by the PCB to make the certification decision

Calin Moldovean  
President, Business Assurance  
SAI Global Assurance

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### 9 BASIS FOR CERTIFICATION

- Clause **B1 Structure** – by testing and comparison with provisions of Verification Method B1/VM1 and Acceptable Solution B1/AS1
- Clause **B2 Durability** – by testing and comparison with provisions of Verification Method B2/VM1
- Clause **C3 Spread of Fire** – by testing and comparison with provisions of Verification Method C/VM2
- Clause **E3 Internal Moisture** – by comparison with provisions of Acceptable Solution E3/AS1
- Clause **F2 Hazardous Building Materials** – by analysis by testing
- Clause **H1 Energy Efficiency** – by testing and comparison with acceptable solutions H1/AS1 and H1/AS2 and verification methods H1/VM1 and H1/VM2



### 10 SUPPORTING DOCUMENTATION FOR CERTIFICATION

[Building regulations 1992 \(SR 1992/150\)](#) – Version as at 15 November 2021.

- Acceptable Solutions and Verification Methods for New Zealand Building Code:
  - Clause B1 Structure – Acceptable Solutions and Verification Methods For New Zealand Building Code Clause B1 Structure. Amendment 20 (29 November 2021).
  - Clause B2 Durability – Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability. Amendment 12 (28 November 2019).
  - Clause C3 Spread of Fire – C/AS1 Acceptable Solution for Buildings with Sleeping (residential) and Outbuildings (Risk group SH). Amendment 5 (5 November 2020).
  - Clause C3 Spread of Fire – C/AS2 Acceptable Solution for Buildings other than Risk Group SH. Amendment 2 (5 November 2020).
  - Clause C3 Spread of Fire – C/VM2 Verification Method: Framework for Fire Safety Design. Amendment 6 (5 November 2020).
  - H1 Energy Efficiency - Acceptable Solution H1/AS1, Energy efficiency for all housing, and buildings up to 300 m<sup>2</sup>, Fifth edition, Amendment 1 (4 August 2022).
  - H1 Energy Efficiency - Acceptable Solution H1/AS2, Energy efficiency for buildings greater than 300 m<sup>2</sup>, First edition, Amendment 1 (4 August 2022).
  - H1 Energy Efficiency - Verification Method H1/VM1, Energy efficiency for all housing, and buildings up to 300 m<sup>2</sup>, Fifth edition, 29 Amendment 1 (4 August 2022).
  - H1 Energy Efficiency - Verification Method H1/VM2, Energy efficiency for buildings greater than 300 m<sup>2</sup>, First Edition Amendment 1 (4 August 2022).

#### Test Reports

- AWTA Product Testing (Australian Wool Testing Authority) – Test Report 17-000536 (dated 23/02/2017). Tested to AS2122.1-1993 Determination of Flame Propagation - Surface Ignition of Vertically Oriented Specimens of Cellular Plastics.
- OTM (OTM Solutions Pte Ltd) SAC accreditation No. LA-2016-0610-G – Test Report OTM2104019 (dated 15/04/2021). Tested to ASTM C518-2017 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus for Kingspan Kooltherm K10 G2W (100mm).
- OTM (OTM Solutions Pte Ltd) SAC accreditation No. LA-2016-0610-G – Test Report OTM2107014 (dated 15/07/2021). Tested to ASTM C518-2017 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus for Kingspan Kooltherm K10 G2 (90mm).



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4. OTM (OTM Solutions Pte Ltd) SAC accreditation No. LA-2016-0610-G – Test Report OTM2109032 (dated 30/09/2021). Tested to ASTM C518-2017 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus for Kingspan Kooltherm K10 G2 (80mm).
5. OTM (OTM Solutions Pte Ltd) SAC accreditation No. LA-2016-0610-G – Test Report OTM2109033 (dated 30/09/2021). Tested to ASTM C518-2017 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus for Kingspan Kooltherm K10 G2 (60mm).
6. OTM (OTM Solutions Pte Ltd) SAC accreditation No. LA-2016-0610-G – Test Report OTM2109034 (dated 30/09/2021). Tested to ASTM C518-2017 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus for Kingspan Kooltherm K10 G2 (50mm).
7. AWTA Product Testing (Australian Wool Testing Authority) NATA Accreditation No. 1356 – Test Report 18-005876 (dated 09/10/2018). Tested to ASTM C518-2017 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus for Kingspan Kooltherm K10 G2 (40mm).
8. AWTA Product Testing (Australian Wool Testing Authority) NATA Accreditation No. 1356 – Test Report 20-000201 (dated 02/02/2020). Tested to ASTM C518-2017 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus for Kingspan Kooltherm K10 G2 (25mm).
9. CSIRO - Report XC3471/R1 (Dated 10-Nov-2017) Nata Accreditation No. 165 – Thermal transmission properties of Kingspan Kooltherm K10 Panels
10. ACRONEM Consulting Australia Pty Ltd - Letter (Dated 1st August 2018) - Thermal Conductivity Assessment of Kooltherm K3, K5, K8, K10, K12, K17 Phenolic Foam
11. Kooltherm® Product Safety information – Issue 9, March 2017
12. SGS Analytical Report – Reference No. PE110195 R0 (Dated 26 Aug 2016) Nata Accreditation No. 2562 – Fibre ID in bulk materials. AS 4964 provides the basis for this document.
13. BRANZ Appraisals – Appraisal No. 289(2018) (Dated 15 April 2019). GIB Fire rated systems have been appraised for use as fire-rated load bearing and non-load bearing framed construction elements in buildings including, Fire affecting areas beyond the fire source for Internal surface finishes. Without applied paint or wallpaper finished GIB plasterboard achieve a Material Group Number of 1-S.

### SUPPORTING INFORMATION

#### 11 SUPPORTING INFORMATION ABOUT DESCRIPTION

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.

##### Components:

The components are detailed in the manufacturer's technical literature, and consist of;

- Kooltherm K17 Insulated Dry Lining Plasterboard

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### 12 SUPPORTING INFORMATION ABOUT INTENDED USE

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

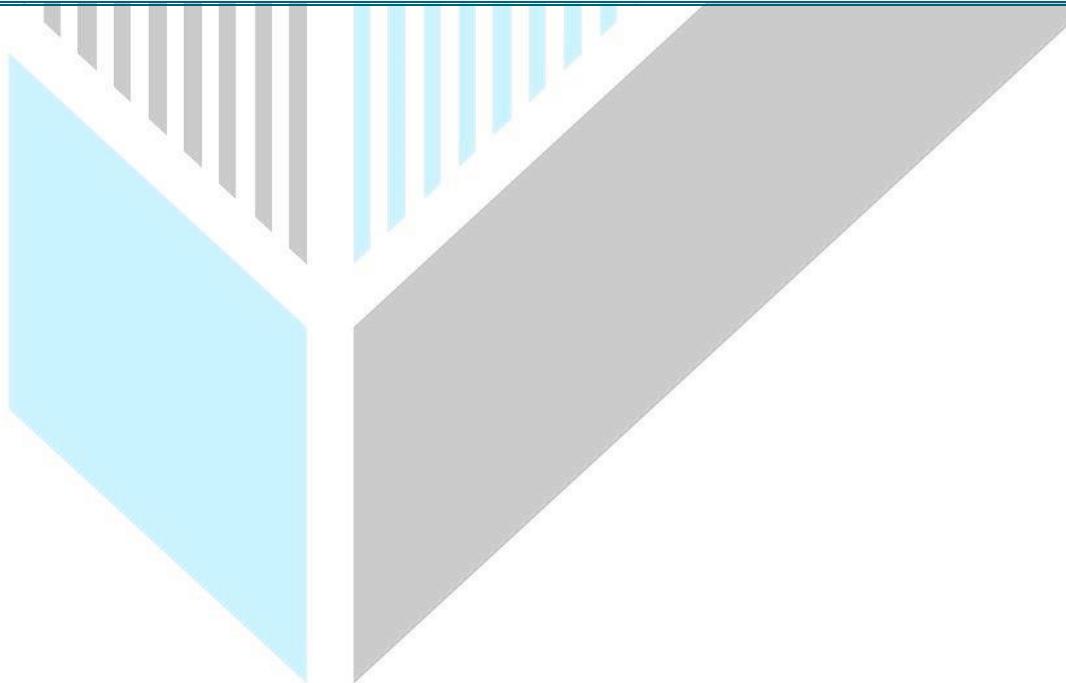


#### Referenced Documents:

- Kooltherm® K17 Insulated Plasterboard – Insulated Dry-Lining Plasterboard for Adhesive Bonding – K17 KIAU0003 Issue 14, June 2019

### 13 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

*All conditions and limitations are as stated above in item 6. Conditions and Limitations of Use*



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