



# 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

### 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)

<https://www.kingspan.com/nz/en>



### 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/>

### 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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### 6 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

### 7 HEALTH AND SAFETY INFORMATION

#### Reference Documents:

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

### 8 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:**
  - a. **Clause B1 Structure** – Acceptable Solutions and Verification Methods For New Zealand Building Code Clause B1 Structure. Amendment 20 (29 November 2021).
  - b. **Clause B2 Durability** – Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability. Amendment 12 (28 November 2019).
  - c. **Clause C3 Spread of Fire** – C/AS1 Acceptable Solution for Buildings with Sleeping (residential) and Outbuildings (Risk group SH). Amendment 5 (5 November 2020).
  - d. **Clause C3 Spread of Fire** – C/AS2 Acceptable Solution for Buildings other than Risk Group SH. Amendment 2 (5 November 2020).
  - e. **Clause C3 Spread of Fire** – C/VM2 Verification Method: Framework for Fire Safety Design. Amendment 6 (5 November 2020).
  - f. **H1 Energy Efficiency** - Acceptable Solution H1/AS1, Energy efficiency for all housing, and buildings up to 300 m2, Fifth edition, Amendment 1 (4 August 2022).
  - g. **H1 Energy Efficiency** - Acceptable Solution H1/AS2, Energy efficiency for buildings greater than 300 m2, First edition, Amendment 1 (4 August 2022).
  - h. **H1 Energy Efficiency** - Verification Method H1/VM1, Energy efficiency for all housing, and buildings up to 300 m2, Fifth edition, 29 Amendment 1 (4 August 2022).
  - i. **H1 Energy Efficiency** - Verification Method H1/VM2, Energy efficiency for buildings greater than 300 m2, First Edition Amendment 1 (4 August 2022).

#### Test Reports

1. **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.
2. **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).
3. **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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