



# CERTIFICATE OF CONFORMITY

This is to certify that

**Kooltherm® K12 Framing Board, Kooltherm® K17 Insulated Plasterboard  
Kooltherm® K18 Insulated Plasterboard**



\* Kooltherm® K12 Framing Board is a fibre-free rigid thermoset phenolic insulation, faced on both sides with a low emissivity composite foil autohesively bonded to the insulation core.  
\* 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.  
\* Kooltherm® K18 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 facing of low emissivity foil autohesively bonded to the insulation core.

## Complies with the New Zealand Building Code (NZBC):

if designed, used, installed and maintained in accordance with the scope of this Certificate, the above mentioned product will meet the following provisions of the NZBC:

### Kooltherm® K12 Framing Board

B1 Structure: B1.3.1; B1.3.2, B1.3.3(a), B1.3.4

B2 Durability: B2.3.1(a)

F2 Hazardous Building materials: F2.3.1

H1 Energy Efficiency: H1.3.1, H1.3.3(e)

### Kooltherm K17 & K18 Insulated Plasterboard

B1 Structure: B1.3.1; B1.3.2, B1.3.3(a, j), B1.3.4

B2 Durability: B2.3.1(c)

C3 Spread of Fire: C3.4(a)

E3 Internal moisture: E3.3.1

F2 Hazardous Building materials: F2.3.1

H1 Energy Efficiency: H1.3.1, H1.3.3(e)

### Product purpose or use

Kooltherm® K12 Framing Board is a thermal insulation for use behind wall linings and framed walls  
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  
Kooltherm® K18 Insulated Plasterboard is an insulated Dry-Lining plasterboard for mechanical fixing timber or steel frame walls & ceiling framing.

### Certificate holder



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### CodeMark certification body

SAI Global Certification Services Pty Limited  
(ACN 108 716 669) Trading as "SAI Global"  
JAS-ANZ Accreditation No. Z1440295AS  
Address 680 George Street, Sydney, NSW 2000  
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General Manager Technical Services

SAI Global Assurance

28/03/2019

Date of issue

CM20099

Certificate Number



JAS-ANZ



[WWW.JAS-ANZ.ORG/REGISTER](http://WWW.JAS-ANZ.ORG/REGISTER)

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## Subject to the following conditions and limitations:

1. Kingspan Kooltherm® K12 Framing Board, Kooltherm® K17 Insulated Plasterboard & Kooltherm® K18 Insulated Plasterboard, must be installed in accordance with the manufactures installation instructions as per below;
  - a. Kooltherm® K12 Framing Board – Insulation for use behind wall lining and framing walls – K12 KIAU0004 Issue 9, Feb 2019
  - b. Kooltherm® K17 Insulated Plasterboard – Insulated Dry-Lining Plasterboard for Adhesive Bonding – K17 KIAU0003 Issue 13, Feb 2019
  - c. Kooltherm® K18 Insulated Plasterboard – Insulated Dry-Lining Plasterboard for Mechanical Fixing – K18 KIAU0002 Issue 11, Feb 2019
2. Kooltherm® K12 Framing Board fixed to the outside of studs is not a substitute for a building underlay.
3. Kooltherm® K17 & K18 Insulated Plasterboard is not to be used to isolate dampness nor be used in continuously damp or humid conditions.

## Components:

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

- a. Kooltherm K12 Framing Board
- b. Kooltherm K17 Insulated Dry Lining Plasterboard
- c. Kooltherm K18 Insulated Dry Lining Plasterboard
- d. Fixings – nails for fixing to timber; self-embedding screws for fixing to steel framing

## Manufacturers and Installation Information:

1. Kooltherm® K12 Framing Board – Insulation for use behind wall lining and framing walls – K12 KIAU0004 Issue 9, Feb 2019
2. Kooltherm® K17 Insulated Plasterboard – Insulated Dry-Lining Plasterboard for Adhesive Bonding – K17 KIAU0003 Issue 13, Feb 2019
3. Kooltherm® K18 Insulated Plasterboard – Insulated Dry-Lining Plasterboard for Mechanical Fixing – K18 KIAU0002 Issue 11, Feb 2019

## Evaluation Methods

1. B1 Structure – by testing and comparison with provisions of Verification Method B1/VM1 and Acceptable Solution B1/AS1



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2. B2 Durability – by testing and comparison with provisions of Verification Method B2/VM1
3. C3 Spread of Fire - by testing and comparison with the provisions of Verification Method C/VM2
4. E3 Internal Moisture - by comparison with the provisions of Acceptable Solution E3/AS1
5. F2 Hazardous Building Materials – by analysis and by testing
6. H1 Energy Efficiency – by testing

## 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. **AWTA Product Testing (Australian Wool Testing Authority) NATA Accreditation No. 1356** – Test Report 17-002811 (Dated 12/07/2017). Tested to ASTM C518-2010 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus.
3. **AWTA Product Testing (Australian Wool Testing Authority) NATA Accreditation No. 1356** – Test Report 17-002824 (Dated 17/07/2017) Tested to ASTM C518-2010 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus.
4. **AWTA Product Testing (Australian Wool Testing Authority) NATA Accreditation No. 1356** – Test Report 17-005221 (Dated 02/10/2017) Tested to ASTM C518-2010 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus
5. **AWTA Product Testing (Australian Wool Testing Authority) NATA Accreditation No. 1356** – Test Report 17-005224 (Dated 04/10/2017) Tested to ASTM C518-2010 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus
6. **AWTA Product Testing (Australian Wool Testing Authority) NATA Accreditation No. 1356** – Test Report 17-006158 (Dated 10/11/2017) Tested to ASTM C518-2010 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus
7. **EXOVA Warringtonfire Aus Pty Ltd NATA Accreditation No. 3277** – Test Report 56093201.3 (Dated 29/08/2019) Tested to AS ISO 9705-2003 R2016 Fire tests – Full-scale room test for surface products
8. **CSIRO Report XC3471/R1 (Dated 10-Nov-2017) Nata Accreditation No. 165** – Thermal transmission properties of Kingspan Kooltherm K10 Panels
9. **ACRONEM Consulting Australia Pty Ltd Letter (Dated 1<sup>st</sup> August 2018)** - Thermal Conductivity Assessment of Kooltherm K3, K5, K8, K10, K12, K17 Phenolic Foam
10. **Kooltherm® Product Safety information – Revision 1 (Dated June 2010)**
11. **SGS Analytical Report – Reference No. PE110195 R0 (Dated 26 Aug 2016) Nata Accreditation No. 2562** – Fibre ID in bulk materials. AS 4964:2004 provides the basis for this document.



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