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**Certificate Holder:**  
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# Certificate of Conformity

**Certificate number: CM30094 Rev3**

**THIS TO CERTIFY THAT**

**Knauf Insulation**

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

Non-combustible thermal insulation for residential and commercial construction.

**Description of product:**

Knauf Insulation is a mineral fibre type bulk insulation supplied as batts or rolls, and thickness between 25 mm and 275 mm, and nominal density between 8 kg/m<sup>3</sup> and 32 kg/m<sup>3</sup>.

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

**BCA 2019+A1**

|                                   | Volume One – including Amendment 1 |   | Volume Two – including Amendment 1 |                                   |
|-----------------------------------|------------------------------------|---|------------------------------------|-----------------------------------|
| <b>Performance Requirement(s)</b> | <b>FP1.4</b>                       | Weatherproofing   | <b>P2.2.2</b>                      | Weatherproofing                   |
|                                   | <b>FP1.5</b>                       | Rising damp   | <b>P2.2.3</b>                      | Rising damp                       |
|                                   | <b>FP5.1</b>                       | Sound transmission through floors                               | <b>P2.4.6</b>                      | Sound insulation                  |
|                                   | <b>FP5.2</b>                       | Sound transmission through walls                                | <b>P2.7.5</b>                      | Buildings in bushfire prone areas |
|                                   | <b>FP5.4</b>                       | Sound transmission through floors in residential care buildings |                                    |                                   |
|                                   | <b>FP5.5</b>                       | Sound transmission through walls in residential care 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.

The purpose of Global-Mark **construction site audits** is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions. In placing the **CodeMark mark** on the product/system, the certificate holder makes a declaration of compliance with the certification standard(s) and confirms that the product is identical to the product certified herein. In issuing this Certificate of Approval Global-Mark has relied on the **expertise of external bodies** (laboratories, and technical experts).

**Herve Michoux**  
Global-Mark Managing Director

**Peter Gardner**  
Unrestricted Building Certifier

**Date of issue: 28/09/2020**

**Date of expiry: 06/07/2021**



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|  |                      |   |                   |  |
|--|----------------------|---|-------------------|--|
|  | <b>GP5.1</b>         | Construction in Bushfire Prone Areas  |                   |  |
| <b>Deemed-to-Satisfy Provision(s):</b>   | <b>Schedule 3</b>    | Non-combustible   | <b>Schedule 3</b> | Non-combustible  |
|  | <b>C1.9</b>          | Non-combustible building elements   | <b>3.7.3.2</b>    | Separating walls   |
|  | <b>J1.2</b>          | Thermal construction – general  | <b>3.12.1.1</b>   | Building fabric thermal insulation   |
| <b>State or territory variation(s):</b>  | <b>SA FP1.5</b>      | Rising damp   | <b>NSW P2.2.3</b> | Rising damp  |
|  | <b>NSW GP5.1</b>     | Bushfire resistance   | <b>SA P2.2.3</b>  | Rising damp  |
|  | <b>Qld GP5.1</b>     | Bushfire resistance   | <b>TAS 2.7.5</b>  | Buildings in bushfire prone areas  |
|  | <b>NSW J(A)1</b>     | Building fabric   | <b>NSW 3.12</b>   | Part 3.12 is replaced with BASIX.  |
|  | <b>NT Section J</b>  | For a Class 2 building and a Class 4 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>NT 3.12</b>    | Part 3.12 is replaced with Part 3.12 BCA 2009.   |
|  | <b>Qld Section J</b> | For a Class 2 building, Section J is replaced with Section J of BCA 2009.   | <b>Qld 3.12</b>   | Class 1 buildings are also regulated by the Building Act 1975 and the Queensland Development Code MP4.1 – Sustainable buildings. |
|  |                      |   | <b>ACT 3.12</b>   | Refer also to ACT Appendix.  |
| <b>SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B</b>  |                      |   |                   |  |
| <b>Limitations and conditions:</b> <ol style="list-style-type: none"> <li>Installation shall be carried out in accordance with AS 3999:2015 and the relevant installation guide as specified in section A5.</li> <li>Installation shall be carried out only after the building is waterproof, and after the materials within the building have dried to a sufficient degree that moisture is not transported into the insulation material.</li> <li>When installed in accordance with AS 3999:2015 and the relevant installation guide as specified in section A5, the presence of the specified insulation material does not compromise building element compliance with Volume One FP1.4 and FP1.5 and Volume Two P2.2.2 and P2.2.3.</li> <li>For Volume One FP5.1, FP5.2, FP5.4, FP5.5 and Volume Two P2.4.6, Knauf Insulation contributes to the sound insulation properties of building elements into which it is installed.</li> </ol> |                      |   |                   | <b>Building classification/s:</b> All classes  |

## APPENDIX A – PRODUCT TECHNICAL DATA

### A1 Type and intended use of product

Bulk thermal insulation for roofs, ceilings, external walls, internal walls and floors.

### A2 Description of product

Knauf Insulation is a mineral fibre type bulk insulation complying with AS/NZS 4859.1:2018. It is manufactured with recycled glass and ECOSE® Technology binder which is created from renewable materials. The product types and special characteristics are listed below:

- Acoustic Batts – Basic at 11 kg/m<sup>3</sup>, Ultra at 14 kg/m<sup>3</sup>, High-Density at 17 kg/m<sup>3</sup>, 20 kg/m<sup>3</sup> and 27 kg/m<sup>3</sup>
- Acoustic Roll – Basic at 11 kg/m<sup>3</sup>, High-Density at 32 kg/m<sup>3</sup>
- Earthwool® Ceiling Batts
- Earthwool® Multi-Use Rolls
- Earthwool® Roof Blanket – has optional foil backing
- Earthwool® Floorshield
- Earthwool® Wall Batts
- ecoinsulation Ceiling Batts
- ecoinsulation Wall Batts
- ecoinsulation Floorshield

### A3 Product specification

Binder content no greater than 8%.

Specification of Knauf Insulation shall be in accordance with the following documents:

- Knauf Insulation Earthwool® Product Datasheets as follows:
  - Knauf Insulation Acoustic, Ref.: KIAU0315172DS, August 2020
  - Earthwool® Ceiling Batt, Ref.: KIAU0315174DS, March 2020
  - Earthwool® Multi-Use Roll, Ref.: KIAU0616395DS, March 2020
  - Earthwool® Roof Blanket, Ref.: KIAU0515198DS, March 2020
  - Earthwool® Floorshield Underfloor Batt, Ref.: KIAU0419840DS, March 2020
  - Earthwool® Wall Batt, Ref.: KIAU0315173DS, February 2020
- Eco Insulation glasswool product Datasheets as follow:
  - Thermal and Acoustic Wall insulation, Ref KIAU07201117DS July 2020
  - Thermal Ceiling insulation, Ref KIAU07201118DS, July 2020
  - Faced Thermal Underfloor insulation, Ref KIAU07201119DS, July 2020
- Knauf Insulation Safety Data Sheet – Earthwool® Glasswool, Ref.: KI\_DP\_101 Revision 2.0, 11/11/2016.

Table A1 provides a summary of the specification information for the relevant Knauf Insulation and Earthwool® products.

**Table A1: Product Specification Summary**

**Knauf Insulation**

**Acoustic Batts**

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|------------|-------------|
| 248361        | 50             | 11                           | 450        | 2700        |
| 248352        |                |                              | 580        | 1160        |
| 248360        |                |                              | 600        | 2700        |
| 290599        | 75             | 11                           | 430        | 1160        |
| 248362        |                |                              | 450        | 2700        |
| 2437819       |                |                              | 600        | 2700        |
| 546373        | 110            | 11                           | 600        | 1160        |
| 2437822       | 50             | 14                           | 430        | 1160        |
| 2437560       |                |                              | 450        | 1160        |
| 2438637       |                |                              | 580        | 1160        |
| 2437561       |                |                              | 600        | 1160        |
| 2438916       | 75             | 14                           | 430        | 1160        |
| 2437562       |                |                              | 450        | 1160        |
| 2438638       |                |                              | 580        | 1160        |
| 2437563       |                |                              | 600        | 1160        |

## Acoustic Roll

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|------------|-------------|
| 543489        | 25             | 24                           | 600        | 18900       |
| 672594        | 50             | 11                           | 450        | 2100        |
| 672573        |                | 32                           | 600        | 7200        |
| 607094        | 75             | 11                           | 600        | 11600       |
| 672586        |                | 24                           | 600        | 6200        |
| 672609        |                | 32                           | 600        | 4800        |
| 672626        |                | 11                           | 600        | 11600       |
| 672624        | 90             | 14                           | 600        | 9100        |
| 672621        |                | 24                           | 600        | 5300        |
| 672603        |                | 32                           | 450        | 4000        |
| 672604        |                |                              | 600        | 4000        |
| 672596        | 100            | 32                           | 600        | 3600        |

## Earthwool®

### Wall Batts

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Declared R-value (m <sup>2</sup> K/W) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|---------------------------------------|------------|-------------|
| 2437521       | 75             | 8.1                          | 1.5                                   | 430        | 1160        |
| 2437523       |                |                              |                                       | 580        | 1160        |
| 683634        | 75             | 17.4                         | 2.0                                   | 430        | 1160        |
| 683686        |                |                              |                                       | 580        | 1160        |
| 2437525       | 90             | 9.4                          | 2.0                                   | 430        | 1160        |
| 2437528       |                |                              |                                       | 580        | 1160        |
| 679751        | 90             | 12.4                         | 2.2                                   | 430        | 1160        |
| 636114        |                |                              |                                       | 580        | 1160        |



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|         |     |      |     |     |      |
|---------|-----|------|-----|-----|------|
| 2437532 | 90  | 20.1 | 2.5 | 430 | 1160 |
| 2437533 |     |      |     | 580 | 1160 |
| 256736  | 90  | 27.2 | 2.7 | 430 | 1160 |
| 252511  |     |      |     | 580 | 1160 |
| 631049  | 140 | 22.6 | 4.0 | 430 | 1160 |
| 691267  |     |      |     | 580 | 1160 |

## Wall Batts - Metal Frame

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Declared R-value (m <sup>2</sup> K/W) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|---------------------------------------|------------|-------------|
| 683687        | 75             | 17.0                         | 2.0                                   | 450        | 1200        |
| 683688        |                |                              |                                       | 600        | 1200        |

## Ceiling Batts

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Declared R-value (m <sup>2</sup> K/W) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|---------------------------------------|------------|-------------|
| 683678        | 125            | 7.4                          | 2.5                                   | 430        | 1160        |
| 683679        |                |                              |                                       | 580        | 1160        |
| 2437534       | 145            | 8.0                          | 3.0                                   | 430        | 1160        |
| 2437535       |                |                              |                                       | 580        | 1160        |
| 2437538       | 175            | 7.4                          | 3.5                                   | 430        | 1160        |
| 2437539       |                |                              |                                       | 580        | 1160        |
| 2437541       | 195            | 7.8                          | 4.0                                   | 430        | 1160        |
| 2437542       |                |                              |                                       | 580        | 1160        |
| 2437543       | 210            | 11.4                         | 5.0                                   | 430        | 1160        |
| 2437544       |                |                              |                                       | 580        | 1160        |
| 2437545       | 275            | 9.0                          | 6.0                                   | 430        | 1160        |
| 2437546       |                |                              |                                       | 580        | 1160        |

## Roof Blanket

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Declared R-value (m <sup>2</sup> K/W) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|---------------------------------------|------------|-------------|
| 683640        | 55             | 12.0                         | 1.3                                   | 1200       | 37000       |
| 683663        | 60             | 12.8                         | 1.5                                   | 1200       | 28000       |
| 683659        | 75             | 11.6                         | 1.8                                   | 1200       | 23000       |
| 683660        | 100            | 10.4                         | 2.3                                   | 1200       | 17500       |
| 683661        | 105            | 11.0                         | 2.5                                   | 1200       | 16500       |
| 683662        | 120            | 13.0                         | 3.0                                   | 1200       | 14500       |
| 683643        | 130            | 12.7                         | 3.2                                   | 1200       | 16500       |
| 680400        | 130            | 22.3                         | 3.7                                   | 1200       | 6500        |

## Multi-Use Roll

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Declared R-value (m <sup>2</sup> K/W) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|---------------------------------------|------------|-------------|
| 253095        | 90             | 9.4                          | 2.0                                   | 430        | 19000       |
| 253093        |                |                              |                                       | 580        | 19000       |

## Floorshield

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Declared R-value (m <sup>2</sup> K/W) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|---------------------------------------|------------|-------------|
| 651498        | 90             | 21                           | 2.5                                   | 420        | 1160        |

## Eco Insulation

### Eco Ceiling Batts

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Declared R-value (m <sup>2</sup> K/W) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|---------------------------------------|------------|-------------|
| 653179        | 180            | 10.1                         | 4.1                                   | 430        | 1160        |
| 673404        |                |                              |                                       | 580        | 1160        |
| 653147        | 210            | 11.5                         | 5.0                                   | 430        | 1160        |
| 705583        |                |                              |                                       | 580        | 1160        |
| 653148        | 275            | 9.1                          | 6.0                                   | 430        | 1160        |
| 705584        |                |                              |                                       | 580        | 1160        |

## Eco Wall Batts

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Declared R-value (m <sup>2</sup> K/W) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|---------------------------------------|------------|-------------|
| 707418        | 90             | 12.4                         | 2.1                                   | 430        | 1160        |
| 653150        |                |                              |                                       | 580        | 1160        |
| 705586        |                | 20.1                         | 2.5                                   | 430        | 1160        |
| 705587        |                |                              |                                       | 580        | 1160        |
| 705588        |                | 30.5                         | 2.7                                   | 430        | 1160        |
| 705589        |                |                              |                                       | 580        | 1160        |
| 651772        | 140            | 22.6                         | 4.0                                   | 580        | 1160        |

## Eco Floor

| Material Code | Thickness (mm) | Density (kg/m <sup>3</sup> ) | Declared R-value (m <sup>2</sup> K/W) | Width (mm) | Length (mm) |
|---------------|----------------|------------------------------|---------------------------------------|------------|-------------|
| 705170        | 90             | 21                           | 2.5                                   | 420        | 1160        |

## A4 Manufacturer and manufacturing plant(s)

- St Helens, PO Box 10, Stafford Road, Merseyside WA 10 3NS, UK
- Cwmbran NP44 2YQ, TOF, UK
- 3100 Ashby Road, Shasta Lake, California, 96019, USA
- 75. Yil Mahallesi 1. Cadde 1/G – Küçük Organize, Sanayi 26250 Eskişehir Turkey

## A5 Installation requirements

Installation shall be carried out in accordance with AS3999:2015 and the relevant installation instruction documents listed below and which are available at [www.knaufinsulation.com.au/resources](http://www.knaufinsulation.com.au/resources) :

- Knauf Insulation Earthwool®
  - Installation Instructions – Earthwool® Ceiling Batts, Ref KIAU0817596WA
  - Installation Instructions – Earthwool® Ceiling Rolls, Ref KIAU0817595WA
  - Installation Instructions – Earthwool® Glasswool Insulation: Floorshield Underfloor Segment, Ref KINZ1219983MIS
  - Installation Instructions – Earthwool® Wall Batts, Ref KIAU0817597WA
- Eco Insulation glasswool
  - Installation Instructions – ecoinsulation Thermal ceiling, Ref KIAU07201111MIS
  - Installation Instructions – ecoinsulation Thermal and Acoustic Wall, Ref KIAU07201110MIS
  - Installation Instructions – ecoinsulation Faced Thermal Underfloor, Ref KIAU07201112MIS

## A6 Other relevant technical data

Any referenced documents within the technical literature identified in Appendix A, A3 and Appendix A, A5.



## APPENDIX B – EVALUATION STATEMENTS

### B1 Evaluation methods

The following assessment methods have been used to determine compliance with BCA 2019 A1:

| Code Clause           | Assessment Method(s)  | Evidence of suitability   | Evidence reference in B2          |
|-----------------------|-----------------------|---|-----------------------------------|
| Volume One Schedule 3 | Volume One A2.3(2)(a) | Volume One A5.2(1)(d) – Report issued by a registered testing authority | Items 1 to 4, item 17 and item 18 |
|                       | Volume One A2.3(2)(a) | Volume One A5.2(1)(e) – Report from a professional engineer             | Item 19                           |
| Volume One C1.9       | Volume One A2.3(2)(a) | Volume One A5.2(1)(d) – Report issued by a registered testing authority | Items 1 to 4, item 17 and item 18 |
|                       | Volume One A2.3(2)(a) | Volume One A5.2(1)(e) – Report from a professional engineer             | Item 19                           |
| Volume One FP1.4      | Volume One A2.2(2)(a) | Volume One A5.2(1)(f) – Another form of documentary evidence            | Item 12 and item 13               |
| Volume One FP1.5      | Volume One A2.2(2)(a) | Volume One A5.2(1)(f) – Another form of documentary evidence            | Item 12                           |
|                       | Volume One A2.2(1)(b) | Equivalence to the Deemed-to-Satisfy Provisions                         | Item 13                           |
| Volume One FP5.1      | Volume One A2.2(2)(a) | Volume One A5.2(1)(e) – Report from a professional engineer             | Item 14 and item 15               |
| Volume One FP5.2      | Volume One A2.2(2)(a) | Volume One A5.2(1)(e) – Report from a professional engineer             | Item 14 and item 15               |
| Volume One FP5.4      | Volume One A2.2(2)(a) | Volume One A5.2(1)(e) – Report from a professional engineer             | Item 14 and item 15               |
| Volume One FP5.5      | Volume One A2.2(2)(a) | Volume One A5.2(1)(e) – Report from a professional engineer             | Item 14 and item 15               |
| Volume One GP5.1      | Volume One A2.2(2)(a) | Volume One A5.2(1)(d) – Report issued by a registered testing authority | Items 1 to 4, item 17 and item 18 |
|                       | Volume One A2.2(2)(a) | Volume One A5.2(1)(e) – Report from a professional engineer             | Item 19                           |
| Volume One J1.2       | Volume One A2.2(2)(a) | Volume One A5.2(1)(d) – Report issued by a registered testing authority | Items 5 to 11 and item 16         |
| Volume Two Schedule 3 | Volume Two A2.3(2)(a) | Volume Two A5.2(1)(d) – Report issued by a registered testing authority | Items 1 to 4, item 17 and item 18 |
|                       | Volume Two A2.2(2)(a) | Volume Two A5.2(1)(e) – Report from a professional engineer             | Item 19                           |
| Volume Two P2.2.2     | Volume Two A2.2(1)(b) | Equivalence to the Deemed-to-Satisfy Provisions                         | Item 12                           |
|                       | Volume Two A2.2(2)(a) | Volume Two A5.2(1)(f) – Another form of documentary evidence            | Item 13                           |
| Volume Two P2.2.3     | Volume Two A2.2(1)(b) | Equivalence to the Deemed-to-Satisfy Provisions                         | Item 13                           |
|                       | Volume Two A2.2(2)(a) | Volume Two A5.2(1)(f) – Another form of documentary evidence            | Item 12                           |
| Volume Two P2.4.6     | Volume Two A2.2(2)(a) | Volume Two A5.2(1)(e) – Report from a professional engineer             | Item 14 and item 15               |
| Volume Two P2.7.5     | Volume Two A2.2(2)(a) | Volume Two A5.2(1)(d) – Report issued by a registered testing authority | Items 1 to 4, item 17 and item 18 |
|                       | Volume Two A2.2(2)(a) | Volume Two A5.2(1)(e) – Report from a professional engineer             | Item 19                           |
| Volume Two 3.7.3.2    | Volume Two A2.3(2)(a) | Volume Two A5.2(1)(d) – Report issued by a registered testing authority | Items 1 to 4, item 17 and item 18 |
|                       | Volume Two A2.2(2)(a) | Volume Two A5.2(1)(e) – Report from a professional engineer             | Item 19                           |
| Volume Two 3.12.1.1   | Volume Two A2.3(2)(a) | Volume Two A5.2(1)(d) – Report issued by a registered testing authority | Items 5 to 11 and item 16         |

## B2 Reports

The following reports have been used as evidence to determine compliance with BCA 2019 A1:

| Ref | Author                   | Reference                                | Date               | Description   | NATA Registration                              |
|-----|--------------------------|--|--------------------|---|--|
| 1   | Exova Warringtonfire, UK | Report No. WF 388511                     | 7/09/2017          | Classification of reaction to fire performance in accordance with EN 13501:2007+A1:2009 – product reference “SK Dritherm Cavity Slab 100mm”   | ilac-MRA via. UKAS – Accreditation Number 0249 |
| 2   | Exova Warringtonfire, UK | Document Reference: 311313               | 27/09/2011         | Fire Test For Non-Combustibility Of Building Products – product reference “HD-32-8-ET”, 80mm thickness, 32 kg/m <sup>3</sup> density  | ilac-MRA via. UKAS – Accreditation Number 0249 |
| 3   | Exova Warringtonfire, UK | Document Reference: 311316               | 27/09/2011         | Determination Of The Heat Of Combustion For Building Products – product reference “HD-32-8-ET”, 80mm thickness, 32 kg/m <sup>3</sup> density  | ilac-MRA via. UKAS – Accreditation Number 0249 |
| 4   | CSIRO                    | Assessment Number: FCO-3073 (Revision A) | 28/08/2014         | Likely fire performance of Knauf Earthwool glass mineral wool insulation  | Accreditation Number 165                       |
| 5   | BRANZ                    | Project Number: DI0367                   | 27/08 – 18/10/2013 | Thermal Resistance of Earthwool Australia products.   | ilac-MRA via. IANZ – Accreditation Number 37   |
| 6   | BRANZ                    | Project Number: DI0450                   | 16-17/04/2014      | Thermal Resistance of Earthwool products.   | ilac-MRA via. IANZ – Accreditation Number 37   |
| 7   | BRANZ                    | Project Number: DI0463                   | 14-29/05/2014      | Thermal Resistance of Earthwool products.   | ilac-MRA via. IANZ – Accreditation Number 37   |
| 8   | BRANZ                    | Project Number: DI0490                   | 1/10/2014          | Thermal Resistance of Earthwool products.   | ilac-MRA via. IANZ – Accreditation Number 37   |
| 9   | BRANZ                    | Project Number: DI0436                   | 1-7/04/2014        | Thermal Resistance of Earthwool products.   | ilac-MRA via. IANZ – Accreditation Number 37   |
| 10  | BRANZ                    | Project Number: DI0448                   | 1-11/04/2014       | Thermal Resistance of Earthwool products.   | ilac-MRA via. IANZ – Accreditation Number 37   |
| 11  | BRANZ                    | Project Number: DI0450                   | 10-22/04/2014      | Thermal Resistance of Earthwool products.   | ilac-MRA via. IANZ – Accreditation Number 37   |
| 12  | Standards Australia      | AS/NZS 4859.1:2018                       | 2018               | Materials for the thermal insulation of buildings – Part 1: General criteria and technical provisions   | Not applicable                                 |
| 13  | Standards Australia      | AS 3999:2015                             | 2015               | Bulk thermal insulation - Installation  | Not applicable                                 |
| 14  | Marshall Day Acoustics   | v8.0.10                                  | 23/03/2018         | INSUL Materials Editor – Knauf Key No. 1715   | Not applicable                                 |
| 15  | Marshall Day Acoustics   | Rp 002 20170139                          | 6/09/2019          | Knauf Insulation Cavity Infill Substitution   | Not applicable                                 |
| 16  | Knauf Insulation         | Document No.: NPD_CP_PR_0014             | 30/04/2020         | Technical Report: Compliance of Cwmban products to AS/NZS 4859.1(2018) 50:90 thermal requirements   | Not applicable                                 |
| 17  | Exova Warringtonfire     | EWFA Test Report No.: 56297900b.1        | 11/08/2018         | Test in accordance with AS 1530.1-1994 Methods for fire tests on building materials, components and structures – Part 1: Combustibility test for materials. Test specimen – Knauf Earthwool – R2.7, 90 mm thick, 24 kg/m <sup>3</sup> density. Result – NOT DEEMED COMBUSTIBLE. | Accreditation No. 3277, Site No. 3270          |

| Ref | Author               | Reference   | Date       | Description   | NATA Registration                        |
|-----|----------------------|---|------------|---|--|
| 18  | Exova Warringtonfire | EWFA Test Report No.:<br>56297900a.1                    | 11/08/2018 | Test in accordance with AS 1530.1-1994 Methods for fire tests on building materials, components and structures – Part 1: Combustibility test for materials. Test specimen – Knauf Earthwool – R3.5, 175 mm thick, 9.5 kg/m <sup>3</sup> density. Result – NOT DEEMED COMBUSTIBLE. | Accreditation No. 3277,<br>Site No. 3270 |
| 19  | Ignis Solutions      | Evaluation No. IGNS-7424<br>Issue 02 Revision 01 [2019] | 29/04/2020 | Evaluation of Knauf Insulation against AS 1530.1-1994   | Not applicable                           |