# PRODUCT CERTIFICATE

## HBS Agribalance Insulation

**CERTIFICATE NO: CMNZ70113**
**Version No: 0**

Original issue date: 22 December 2022
Version date: 22 December 2022

### 1 CERTIFICATE HOLDER DETAILS

**ASCC Limited**
112/A Bush Road
Rosedale, Auckland 0632
New Zealand

E: sales@ascc.net.nz
Ph: 09 966 2447
www.ascc.net.nz

### 2 PRODUCT CERTIFICATION BODY

**Bureau Veritas Australia Pty Ltd**
11/500 Collins Street
Melbourne VIC 3000
Australia

product.certification@bureauveritas.com
Ph: 1800 855 190
www.bureauveritas.com.au
**Bureau Veritas Australia Pty Ltd**

The complaints process for this certificate can be found here:
www.bureauveritas.com.au/your-feedback

### 3 DESCRIPTION OF BUILDING METHOD OR PRODUCT

Name of the product or method in New Zealand, including any brand names used. Description of what it is and the components that make up any system and its physical attributes including the materials and make-up of the product, where applicable.
*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***

HBS Agribalance insulation is a site-applied open-cell semi-rigid 2-part polyurethane spray in place foam insulation with a density of 9.6 - 12.8 kg/m³.

The building method's or building product's catalogue or model identification number or numbers or other unique identifiers that might be used to identify the building product or building method

### 4 INTENDED USE OF BUILDING METHOD OR PRODUCT

Intended use of the building method or product as described in the product manual and other instructional materials.
A statement of the function or purpose of the building method or product.

HBS Agribalance insulation is a thermal insulation product for walls, ceilings, roofs and under floors.

### 5 NEW ZEALAND BUILDING CODE PROVISIONS

The performance clauses of the New Zealand Building Code that are relevant to the intended use and with which the building method or product complies or contributes to (where used as part of a system).
*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.***

**B2 Durability**: B2.3.1 (a)
**E3 Internal moisture**: E3.3.1 (contributes to)
**F2 Hazardous building materials**: F2.3.1
**H1 Energy efficiency**: H1.3.1 (a) (contributes to), H1.3.2E (contributes to)

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## 6 CONDITIONS AND LIMITATIONS OF USE

The building method or product's use is to be in accordance with the installation instructions and requirements against which the building method or product was assessed.
Conditions or limitations of conformity for the performance requirements the building method or product is compliant with, including any requirements for people with the qualifications and skills to install or use the building method or product, any known or demonstrated situations where the building method or product should not be used. A statement as to whether there are any matters that should be taken into account in the use or application of the building product or building method and, if so, what those matters are.
NOTE: Together, items 3,4,5 and 6 define scope of use

1. HBS Agribalance insulation is certified for use in:
   a. timber framed buildings to NZS3604:2011 Timber-Framed Buildings, or
   b. light steel framed buildings to NASH Standard Part 2:2019 Light Steel Framed Buildings, and
   c. located in any climate zone as defined in H1/AS1
2. HBS Agribalance insulation shall not be installed as an exposed internal surface in a building or part of building where there is a requirement to comply with Building Code clause C3.4a). Where HBS Agribalance insulation is installed in a space where the surface lining does have a requirement to comply with C3.4(a), HBS Agribalance insulation shall be covered with a rigid sheet product of gypsum plasterboard, plywood, solid wood, wood composite, fibre-reinforced cement, concrete or masonry that is not less than 9mm thick.
3. HBS Agribalance insulation shall be installed:
   a. by an ASCC Ltd trained and approved installer, and
   b. in accordance with the Technical Manual for HBS Agribalance V1.1, 14 December 2022, and
   c. with sufficient thickness to achieve the R-value specified, but not less than 75mm, and
   d. with clearance as required around recessed light fittings, chimneys, flues and other hot surfaces, and
   e. be protected from the weather within 6 months.
4. Establishing compliance with the performance criteria in Building Code clauses H1.3.1(a) and H1.3.2E shall be in accordance with either of the following:
   a. the calculation method in Acceptable Solution H1/AS1 (Fifth Edition Amendment 1) or the modelling method in H1/VM1 (Fifth Edition Amendment 1), for all housing and buildings up to 300m²
   b. the calculation method in H1/AS2 (First Edition Amendment 1) or the modelling method in H1/VM2 (First Edition Amendment 1), for buildings greater than 300m².

## 7 HEALTH AND SAFETY INFORMATION

Health, safety, and well-being declarations associated with installation, maintenance, and use of the building method or product, and their specific editions and dates necessary to ensure the performance requirements of clauses F1 to F9 of the Building Code can be met.

The compliance with any manufacturer's installation instructions, maintenance, OH & S statements, MSDS's and other Health and Safety declarations will provide the necessary Health and Safety Information pertaining to the product.

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### 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

Sam Guindi
Product Certification Manager

For and on behalf of
Bureau Veritas Australia Pty Ltd

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## 9 BASIS FOR CERTIFICATION

How the performance requirements in the Building Code were met for each of the provisions. Where used as part of a system, the specific contribution to compliance.

B2 Durability - By testing and comparison with Verification Method B2/VM1
E3 Internal moisture - By testing and comparison with Acceptable Solution E3/AS1
F2 Hazardous building materials - By analysis and comparison with the performance requirements of Building Code clause F2.3.1
H1 Energy efficiency - By testing and comparison with Verification Methods H1/VM1 and H1/VM2 and Acceptable Solutions E2/AS1, H1/AS1 and H1/AS2

## 10 SUPPORTING DOCUMENTATION FOR CERTIFICATION

Reference to any acceptable solutions, verification methods, New Zealand Standards, or other compliance pathways referenced against each individual performance requirement the building method or product is compliant with, and their specific version and date.
Reference to documents describing tests and evaluations and any other documents relied on for certification or used to prove compliance, including their full title, specific version and date.

1. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 2), 28 November 2019
2. Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020
3. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause E3 Internal Moisture Second edition (Amendment 7), 5 November 2020
4. 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
5. H1 Energy Efficiency, Acceptable Solution H1/AS2, Energy efficiency for buildings greater than 300 m2, First edition Amendment 1, 4 August 2022
6. H1 Energy Efficiency, Verification Method H1/VM1, Energy efficiency for all housing, and buildings up to 300 m2, Fifth edition Amendment 1, 4 August 2022
7. H1 Energy Efficiency, Verification Method H1/VM2, Energy efficiency for all housing, and buildings greater than 300 m2, First edition Amendment 1, 4 August 2022
8. PRI Construction Materials Technologies, Adhesion after aging in accordance with ICC-ES AC152 (2011), Project No. DMLC-015-02-05, 14 March 2012
9. Berkely Analytical, VOC Emissions from Building Products, Test Report 546-004-01A-Mar1213, 12 Mar 2013
10. Berkely Analytical, VOC Emission Test Certificate, Certificate No.130312-01, 12 March 2013
11. PRI Construction Materials Technologies, Physical performance properties, Project No. DMLC-004-02-05, 6 September 2007
12. Intertek Report, 1" Thick Testing to ASTM C518-04, Project No 133593SAT-008, 30 June 2008
13. Intertek Report, 2" Thick Testing to ASTM C518-04, Project No 133593SAT-007, 30 June 2008
14. Intertek Report, 3" Thick Testing to ASTM C518-04, Project No 133593SAT-006, 30 June 2008
15. Intertek Report, 4" Thick Testing to ASTM C518-04, Project No 133593SAT-005, 30 June 2008
16. PRI Construction Materials Technologies, Air leakage in accordance with ASTM E 2357, Project No. DMLC-008-02-01, 17 August 2010
17. Technical Manual for HBS Agribalance V1.1, 13 December 2022

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SUPPORTING INFORMATION

### 11 SUPPORTING INFORMATION ABOUT DESCRIPTION (OPTIONAL)

Any supporting information for section 3

N/A

### 12 SUPPORTING INFORMATION ABOUT INTENDED USE (OPTIONAL)

Any supporting information for section 4

N/A

### 13 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE (OPTIONAL)

Any supporting information for section 6

The thermal resistivity of HBS Agribalance insulation is dependent on the thickness of insulation. For the purpose of calculating the thermal resistance of HBS Agribalance insulation, the thermal resistance shall be taken as 0.78m²·K/W per 25mm thickness of insulation.