

CERTIFICATE OF CONFORMITY

This product Certificate is issued under Section 269 of the Building Act 2004 for:

ecoinsulation glasswool

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Product Description

ecoinsulation glasswool is a mineral fibre type bulk insulation that complies with AS/NZS 4859.1:2002 (incorporating Amendment No.1) and is supplied as segments or rolls with thickness between 70 mm and 275 mm, and nominal density between 7.7 kg/m³ and 29.1 kg/m³ with binder content no greater than 8%.

ecoinsulation glasswool is manufactured with recycled glass and ECOSE® Technology binder which is created from renewable materials. The product types and special characteristics are listed below:

- ecoinsulation - Ceiling Batts
- ecoinsulation Ceiling Rolls
- ecoinsulation Quilted Underfloor Batts
- ecoinsulation Black Faced Underfloor Rolls
- ecoinsulation Wall Batts

Product purpose and use

Non-combustible bulk thermal insulation for residential and commercial construction within the following scope:

- Walls when installed in the cavities between framing members.
- Floors when installed in the cavities between flooring members.
- Ceilings when installed in the cavities between the ceiling members.

Certificate holder

Eco Insulation Systems Ltd
304 Rosebank Road, Avondale, Auckland, NZ, 1026, Tel: 0800 400 326, Web: www.ecoinsulation.co.nz

CodeMark Certification Body		21/02/2019		21/02/2021	GM-CM30101-revA
Global-Mark Pty Ltd, Suite 4.07, 32 Delhi Road, North Ryde NSW 2113, Australia Tel: +61 (0)2 9886 0222 www.Global-Mark.com.au	Herve Michoux Managing Director	Date of issue	Last update	Date of next re-certification	Certificate Number

The purpose of construction site audits is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions. In issuing this certificate, Global-Mark has relied on the independent expert and/or laboratory advise or reports. This certificate is issued by Global-Mark Pty Limited, an independent certification body accredited by the product certification accreditation body (JAS-ANZ) appointed by the Chief Executive of the Ministry of Business Innovation and Employment under the Building Act 2004. The Ministry of Business Innovation and Employment does not in any way warrant, guarantee, or represent that the building method or product the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. The Ministry of Business Innovation and Employment disclaims, 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 building method(s) or product(s) referred to in this certificate. This Certificate may only be reproduced in its entirety. It is advised to check that this Certificate of Conformity is currently valid and not withdrawn, suspended or superseded by a later issue by referring to the Ministry of Business Innovation and Employment website, <http://www.mbie.govt.nz/> New Zealand Building Code (NZBC) references the Building Code in force at the time of issuing the product certificate. Certificate holder will notify Global-Mark Pty Ltd in accordance with Regulation 15 of the Building (Product Certification) Regulations 2008

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Compliance with the New Zealand Building Code (NZBC):

Clause B2 DURABILITY: Performance B2.3.1(a) not less than 50 years, and B2.3.2. ecoinsulation glasswool insulation products will meet these requirements.

Clause C3 PROTECTION FROM FIRE: Performance C3.7(a). ecoinsulation glasswool insulation products are not combustible building materials and will contribute to meeting this requirement.

Clause E3 INTERNAL MOISTURE: Performance E3.3.1. ecoinsulation glasswool insulation products will contribute to meeting this requirement.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1 ecoinsulation glasswool insulation products do not present a health hazard to people.

Clause H1 ENERGY EFFICIENCY: Performance H1.3.1(a) and H1.3.2E. ecoinsulation glasswool insulation products will contribute to meeting these requirements

Subject to the following conditions and limitations:

1. Specification and incorporation of ecoinsulation glasswool insulation products into the building design shall be carried out by a designer, architect, engineer, or building professional who is qualified to design the buildings covered under the scope of use of these products.
2. Specification of ecoinsulation glasswool insulation products shall be in accordance with the following product datasheet documents, available at – www.ecoinsulation.co.nz:
 - ecoinsulation Thermal Ceiling Insulation, Ref.: KINZ1118791DS, November 2018
 - ecoinsulation Thermal Ceiling Roll Insulation, Ref.: KINZ1118794DS, November 2018
 - ecoinsulation Thermal Underfloor (Wrapped) Insulation, Ref.: KINZ1118792DS, November 2018
 - ecoinsulation Faced Thermal Underfloor Insulation, Ref.: KINZ1118793DS, November 2018
 - ecoinsulation Thermal and Acoustic Wall Insulation, Ref.: KINZ1118790DS, November 2018
3. Installation shall be carried out by an ecoinsulation glasswool accredited installer and installed in accordance with NZS 4218:2009 or NZS 4246:2016, and the relevant ecoinsulation glasswool installation instructions as specified below and which are available at – www.ecoinsulation.co.nz – to meet the stated thermal performance rating of the insulation:
 - ecoinsulation glasswool Install Instructions – Thermal Ceiling, Ref.: KINZ1218808MIS
 - ecoinsulation glasswool Install Instructions – Thermal Ceiling Roll, Ref.: KINZ1218807MIS
 - ecoinsulation glasswool Install Instructions – Thermal Underfloor (Wrapped), Ref.: KINZ1218804MIS
 - ecoinsulation glasswool Install Instructions – Faced Thermal Underfloor, Ref.: KINZ1218805MIS
 - ecoinsulation glasswool Install Instructions – Thermal and Acoustic Wall, Ref.: KINZ1218806MIS
4. 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.
5. Refer to ecoinsulation glasswool Material Safety Datasheet – Glass Mineral Wool with ECOSE® Technology [Issue Date: February 2019].
6. Refer to Table 1 on the following page for a schedule of ecoinsulation glasswool insulation products and their properties covered by this certificate.

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Table 1: ecoinsulation glasswool Product Schedule

Ceiling Batts

Product Code	R-value (m ² K/W)	Density (kg/m ³)	Thickness (mm)	Width (mm)	Length (mm)
651768	3.3	7.7	155	430	1,160
651771	3.6	8.8	160	430	1,160
653179	4.2	9.7	180	430	1,160
653147	5.2	11.2	210	430	1,160
653148	6.3	9.0	275	430	1,160
651773	2.9	8.5	130	430	1,160
653149	3.2	23.3	105	430	1,160

Ceiling Rolls

Product Code	R-value (m ² K/W)	Density (kg/m ³)	Thickness (mm)	Width (mm)	Length (mm)
652301	1.8	12.1	70	1200	13,500
652303	2.9	12.2	115	1200	8,500
652304	3.2	11.0	135	1200	8,000
652305	3.6	11.0	150	1200	7,000

Quilted Underfloor

Product Code	R-value (m ² K/W)	Density (kg/m ³)	Thickness (mm)	Width (mm)	Length (mm)
652271	1.5	10.5	70	470	2,700

Black Faced Underfloor Rolls

Product Code	R-value (m ² K/W)	Density (kg/m ³)	Thickness (mm)	Width (mm)	Length (mm)
652298	1.8	10.5	75	500	10,000
652300	1.8	10.5	75	600	10,000

Wall Batts

Product Code	R-value (m ² K/W)	Density (kg/m ³)	Thickness (mm)	Width (mm)	Length (mm)
653150	2.3	11.9	90	580	1,160
653169	2.3	11.9	90	600	1,160
651742	2.6	20.3	90	420	1,160
653177	2.6	20.3	90	570	1,160
653178	2.6	20.3	90	600	1,160
651766	2.8	29.1	90	420	1,160
653367	2.8	29.1	90	570	1,160
651772	4.1	21.0	140	420	1,160
653180	2.4	14.5	90	570	1,160
653244	3.2	9.3	140	580	1,160
653184	3.6	13.4	140	570	1,160