



CERTIFICATE NO: CM70114
Date of issue: 8 September 2021

PRODUCT CERTIFICATE

ELIMENT® Glass Mineral Wool Insulation



BUREAU
VERITAS

KEY INFORMATION

1 CERTIFICATE HOLDER DETAILS
PGF INSULATION SDN BHD
2449, Lorong Perusahaan Sepuluh
Kawasan Perusahaan Perai 13600,
Perai Penang, Malaysia

Email: info@ecowool.com.my
Ph: +604 390 8460
www.eliment.co.nz



2 PRODUCT CERTIFICATION BODY
Bureau Veritas Australia Pty Ltd
3/435 Williamstown Road
Port Melbourne VIC 3207
Australia

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 SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT
ELIMENT® Insulation - Glass Mineral Wool Insulation is a non-combustible resin bonded glass mineral wool thermal insulation material. It is supplied in blanket form (ELIMENT® Insulation Blanket) and slab form (ELIMENT® Insulation Slab).
*Continuation of description can be found in item 9. Supporting Information about Description of Building Product or Method.
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.*

4 SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT
ELIMENT® Insulation - Glass Mineral Wool Insulation is suitable for installation in walls and ceilings in new and existing timber and steel framed buildings.
Continuation of intended use can be found in item 8. Supporting Information about Intended use of Building Product or Method.

5 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).
B2 Durability: B2.3.1 (a)
C3 Fire affecting areas beyond the source: C3.7 (a) (contributes to)
E3 Internal Moisture: E3.3.1 (contributes to)
F2 Hazardous Building Materials: F2.3.1
H1 Energy Efficiency: H1.3.1 (a), H1.3.2E (contributes to)
How the building method or product complies or contributes can be found in item 12. Basis for Certification. Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. The Ministry does not in any way warrant, guarantee, or represent that the building method or product that is 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 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.

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6 CONDITIONS AND LIMITATIONS OF USE

1. ELIMENT® Insulation Glass Mineral Wool Insulation is certified for use in any building located in any climate zone (as defined in NZS4218:2009 Thermal Insulation - Housing and Small Buildings).
2. ELIMENT® Insulation Glass Mineral Wool Insulation shall be installed in accordance with the installation instructions applicable to the product:
 - ELIMENT® Ceiling Blanket Installation Instructions version BCII6899, 1 June 2021
 - ELIMENT® Ceiling Slab Installation Instructions version SCII6899, 1 June 2021
 - ELIMENT® Wall Blanket Installation Instructions version BWII6899, 1 June 2021
 - ELIMENT® Wall Slab Installation Instructions version SWII6899, 1 June 2021
3. ELIMENT® Insulation Glass Mineral Wool Insulation shall:
 - a) be separated by 25 mm minimum from any rigid roof substrate or flexible roof underlay
 - b) remain dry during installation and throughout the life of the building
 - c) be separated from heating appliances and down lights are in accordance with ELIMENT® Insulation Glass Mineral Wool Insulation installation requirements

NOTE: Together, items 3, 4, 5 and 6 define scope of use.

7 HEALTH AND SAFETY INFORMATION

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.

8 SIGNATURES



Sam Guindi
Product Certification Manager
For and on behalf of
Bureau Veritas Australia Pty Ltd



Qingliang Zhang
Director
For and on behalf of
PGF Insulation SDN BHD

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SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

9 SUPPORTING INFORMATION ABOUT DESCRIPTION

WALL - Slab Products for ELIMENT® Insulation Glass Mineral Wool Insulation - R Value@15C

- R2.2 90mm x 0.58m x 1.14m
- R2.4 90mm x 0.58m x 1.14m
- R2.6 90mm x 0.58m x 1.14m
- R2.8 90mm x 0.58m x 1.14m
- R3.2 140mm x 0.58m x 1.14m
- R3.6 140mm x 0.58m x 1.14m
- R4.1 140mm x 0.58m x 1.14m

WALL - Blanket Products for ELIMENT® Insulation Glass Mineral Wool Insulation - R Value@15C

- R1.8 75mm x 1.2m x 12m
- R2.2 90mm x 1.2m x 13m
- R2.4 90mm x 1.2m x 10m
- R2.6 90mm x 1.2m x 7m
- R2.8 90mm x 1.2m x 5m
- R3.6 140mm x 1.2m x 5m

CEILING - Slab Products for ELIMENT® Insulation Glass Mineral Wool Insulation - R Value@15C

- R3.6 165mm x 0.432m x 1.22m
- R4.0 195mm x 0.432m x 1.22m
- R5.0 230mm x 0.432m x 1.22m
- R6.0 278mm x 0.432m x 1.22m

CEILING – Blanket Products for ELIMENT® Insulation Glass Mineral Wool Insulation - R Value@15C

- R2.7 120mm x 1.2m x 10m
- R2.9 130mm x 1.2m x 10m
- R3.3 145mm x 1.2m x 8.5m
- R3.6 160mm x 1.2m x 10m
- R4.0 180mm x 1.2m x 8m

MASONRY - Blanket Products for ELIMENT® Insulation Glass Mineral Wool Insulation - R Value@15C

- R1.0 40mm x 1.2m x 30m
- R1.3 50mm x 1.2m x 15m

Refer to the ELIMENT® Insulation Data Sheets, 21 July 2021 for details of these products.



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10 SUPPORTING INFORMATION ABOUT INTENDED USE

N/A

11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

N/A

12 BASIS FOR CERTIFICATION

- B2 Durability - By testing and comparison with Verification Method B2/VM1
- C3 Fire affecting areas beyond the fire source - By analysis and comparison with Verification Method C/VM2
- E3 Internal moisture - By comparison with Acceptable Solution E3/AS1
- F2 Hazardous building materials - By comparison with the performance requirements of Building Code clause F2.3.1
- H1 Energy efficiency - By testing and comparison with Acceptable Solution H1/VM1



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. The Ministry does not in any way warrant, guarantee, or represent that the building method or product that is 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 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.

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13 SUPPORTING DOCUMENTATION FOR CERTIFICATION

1. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
2. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause H1 Energy Efficiency Fourth edition (Amendment 4), 28 November 2019
3. C/VM2 Verification Method: Framework for Fire Safety Design For New Zealand Building Code Clauses C1-C6 Protection from Fire (Amendment 6), 5 November 2020
4. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause E3 Internal Moisture Second edition (Amendment 7), 5 November 2020
5. TUD SUD Test Report No. 7191263506-MEC21-YWA, Non-combustibility test on Ecowool Brownie V2 roofing blanket insulation material, 30 July 2021
6. BRANZ Appraisal No.889 [2016] Brownie Glass Mineral Wool Insulation, Amended 8 March 2017
(Note: this appraisal has been withdrawn at the request of the Appraisal holder, but the technical content has informed this certificate).
7. CETEC VOC Emission Test Certificate, 21 July 2021
8. R&D Services Test Report RD16031-R2 Thermal Resistance Test Report 25 mm Brownie EWBL, 1 February 2016
9. TUV Test Report No.719083340-MEC14/01-TYK Thermal Conductivity Brownie EWBL 1.35 50 mm, 24 March 2014
10. TUV Test Report No.719083340-MEC14/02-TYK Thermal Conductivity Brownie EWBL 1.45 50 mm, 24 March 2014
11. R&D Services Test Report RD16714 Thermal Resistance Test Report 50 mm Brownie EWBL 1.60, 14 December 2016
12. R&D Services Test Report RD15720-R2 Thermal Resistance Test Report Brownie Rigislab 50 mm, 15 December 2015
13. R&D Services Test Report RD19581-R2 Thermal Resistance Test Report Brownie Wall Slab R3.2, 5 August 2019
14. R&D Services Test Report RD19582-R2 Thermal Resistance Test Report Brownie Wall Slab R3.6, 5 August 2019
15. R&D Services Test Report RD19580-R2 Thermal Resistance Test Report Brownie Wall Slab R4.1, 5 August 2019
16. BRANZ Report DI0269/DU01 Thermal Resistance of Polyglass Fibre Insulation R1.5, 21 September 2012
17. BRANZ Report DI0269/DU03 Thermal Resistance of Polyglass Fibre Insulation R5.0, 21 September 2012
18. BRANZ Report DI0518/DU01 Thermal Resistance of Polyglass Fibre Insulation R3.2, 27 August 2015
19. BRANZ Report DI0518/DU02 Thermal Resistance of Polyglass Fibre Insulation R3.6, 1 September 2015
20. BRANZ Report DI0518/DU03 Thermal Resistance of Polyglass Fibre Insulation R2.2, 18 September 2015
21. BRANZ Report DI0518/DU04 Thermal Resistance of Polyglass Fibre Insulation R2.6, 22 September 2015
22. BRANZ Report DI12256-001 Thermal Resistance of Brownie Slab R3.6, 30 October 2019
23. Eliment Insulation Ceiling Segment Data Sheet version CTDS, 21 July 2021
24. Eliment Insulation Wall Segment Data Sheet version WTDS, 21 July 2021
25. Eliment Ceiling Blanket Installation Instructions version BCII6899, 1 June 2021
26. Eliment Ceiling Slab Installation Instructions version SCII6899, 1 June 2021
27. Eliment Wall Blanket Installation Instructions version BWII6899, 1 June 2021
28. Eliment Wall Slab Installation Instructions version SWII6899, 1 June 2021



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14 CONDITIONS RELATING TO NOTIFICATION

- (a) the certificate holder notifies the product certification body (Bureau Veritas) in writing of any intended change to any of the following particulars:
- (i) the name, address, or contact details of the certificate holder;
 - (ii) any address of a location where a certified product is produced or manufactured;
- (b) the certificate holder notifies the product certification body (Bureau Veritas) in writing of any intended change, modification, or alteration to any of the following:
- (i) the certified building method or product;
 - (ii) the method of its production or manufacture;
 - (iii) the product quality plan prepared in respect of the certified building method or product;
 - (iv) the application or installation instructions for the certified building method or product;
 - (v) any documentation relating to the use and maintenance of the certified building method or product;
- (c) if the certificate holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the certificate holder notifies the product certification body (Bureau Veritas) in writing of the reason for that suspicion:
- (d) if the certificate holder or the product certification body (Bureau Veritas) finds that a certified building method or product that has been released on the market does not comply with the Building Code, the certificate holder discloses that fact in disclosure statements published in a form that is acceptable to the product certification body and to the chief executive:
- (e) if the certificate is suspended or revoked, the certificate holder—
- (i) notifies all customers to whom the building method or product is regularly supplied; and
 - (ii) immediately ceases using the certificate, the mark of conformity, and any reference to the number of the certificate.

