



PRODUCT CERTIFICATE

EcoKrete®



BUREAU
VERITAS

CERTIFICATE NO: CM70068 Rev1

Date of issue: 15 September 2021

KEY INFORMATION

1 CERTIFICATE HOLDER DETAILS

ACCO Building Limited
176c Esk Road
Maramarua 2473
New Zealand

Email: accobl@hotmail.com
Ph: 021 1388 168
www.ecokrete.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

EcoKrete® is aerated concrete produced through the addition of proprietary foam to a certified concrete mix.

*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

EcoKrete® is designed to be used to construct structural and non-structural members (cast in-situ and precast wall panels, roof panels, beams and slabs) for residential and commercial 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).

B1 Structure: B1.3.1, B1.3.2, B1.3.3 (a, b, f, g, h, j) B 1.3.4
B2 Durability: B2.3.1 (a)
E2 External Moisture: E2.3.2 (contributes to) , E2.3.7
E3 Internal Moisture: E3.3.1 (contributes to)
F2 Hazardous Building Materials: F2.3.1
H1 Energy Efficiency: H1.3.3 (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.

This certificate may only be reproduced in its entirety. It is advised to check that this certificate is currently valid and not withdrawn or suspended by referring to the Register of Product Certificates on the Building Performance website <http://www.building.govt.nz>.
CERTIFICATE V1.3



PRODUCT CERTIFICATE

EcoKrete®



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6 CONDITIONS AND LIMITATIONS OF USE

1. All members using EcoKrete® must be specifically designed in accordance with B1/VM1 by a Chartered Professional Engineer (Structural).
2. EcoKrete® must be poured within 60 mins after its preparation is completed.
3. Finished structural and non-structural members subject to water ingress shall be coated with EQUUS Chevaline Coverflexx to protect the member(s) with a minimum film thickness of 130 microns.
4. This certificate shall only be used to construct structural and non-structural members (cast in-situ and precast wall panels, roof panels, beams and slabs) for residential and commercial buildings manufactured by ACCO Building Ltd.

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

Eric AU
Director

For and on behalf of
ACCO Building Ltd



PRODUCT CERTIFICATE

EcoKrete®



SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

9	SUPPORTING INFORMATION ABOUT DESCRIPTION
N/A	
10	SUPPORTING INFORMATION ABOUT INTENDED USE
N/A	
11	SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE
N/A	



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CERTIFICATE V1.3

12 BASIS FOR CERTIFICATION

1. B1 Structure - By testing and comparison with Verification Method B1/VM1 and cited Standard AS/NZS 1860.1 2002
2. B2 Durability - By testing and comparison with Acceptable Solution B2/AS1
3. E2 External Moisture – By testing and comparison with Acceptable Solution E2/AS3
4. E3 Internal Moisture – By comparison with Acceptable Solution E3/AS1
5. F2 Hazardous building materials - By comparison with the performance requirements of Building Code Clause F2.3.1
6. H1 Energy Efficiency – By testing and comparison with Acceptable Solution H1/AS1

13 SUPPORTING DOCUMENTATION FOR CERTIFICATION

1. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure First edition (Amendment 19), 28 November 2019
2. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
3. 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
4. Acceptable Solution E3 Internal Moisture E3/AS2 First edition, 5 November 2020
5. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause F2 Hazardous building materials First edition (Amendment 3), 1 January 2017
6. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause H1 Energy Efficiency Fourth edition (Amendment 4), 28 November 2019
7. TM Batten Ltd, Assessment of Foam Concrete Results for Building Applications, 15 December 2014
8. Opus International Consultants, Flexural Tensile Strength of Concrete Test Report (NZS 3112:1986) 11/02/15, 11 March 2015
9. ACCO Building Ltd, Specifications and User Guide for EcoKrete® Version 1.1, 12 November 2019
10. Geotechnics, Thermal Resistivity Testing, 12 November 2014
11. EQUUS, Product Datasheet, Chevaline Coverflexx, May 2015
12. LCM Technology SDN BHD, Material Safety Data Sheet, LCM – Foaming Agent, 17 November 2004
13. Cement and Concrete Association of New Zealand, Information Bulletin, Lightweight Concrete, February 1980

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.