

Certificate no: CMNZ70128

Version: 0

Original issue date: 19 June 2023

Version date: 19 June 2023

Product Certificate

MASONS Plastabrick Ltd

Masons Barricade Weather Defense System



1. Certificate Holder Details



MASONS Plastabrick Ltd

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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
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Complaints: 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 Aotearoa 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

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

Masons Barricade Weather Defense System consists of 6mm & 9mm Masons Barricade Weather Defense fibre cement sheets fixed to building framing with clouts or screws, then over wrapped with Masons Barricade WD self-adhesive wrap. The sheets are available in sizes 1200mm wide and up to 3000mm in length. Masons Barricade WD self-adhesive wrap is a heavy-duty, trilaminate non-woven polypropylene wrap coated with polyacrylic pressure-sensitive self-adhesive and backing release film. It is supplied in 50m² rolls (1.46m x 31.14m).

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.

Masons Barricade Weather Defense System is a rigid air barrier and bracing element for timber-framed buildings. It also provides temporary weather protection prior to the installation of cladding.

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). eg Clause B2 – DURABILITY Performance B2.3.1

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.

B1 Structure: B1.3.1, B1.3.3, B1.3.3(a, b, f, h), B1.3.4

B2 Durability: B2.3.1(a), B2.3.2 (a)

C3 Fire affecting areas beyond the fire source: C3.6 (contributes to), C3.7 (contributes to)

E2 External moisture: E2.3.2 (contributes to), E2.3.5 (contributes to), E2.3.6 (contributes to), E2.3.7

F2 Hazardous building materials: F2.3.1

H1 Energy efficiency: H1.3.1(b) (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. Masons Barricade Weather Defense System is certified for use with buildings:
 - a) designed and constructed to:
 - i) NZS3604 and located in wind zones up to and including Extra High (as defined in NZS3604) or
 - ii) NZS3603 and AS/NZS 1170 with a maximum wind design pressure (ULS) of +/- 2.1 kPa, and
 - b) with the following claddings:
 - i) absorbent or non-absorbent wall claddings directly fixed, or
 - ii) absorbent or non-absorbent wall claddings installed over a nominal 20mm or more drained cavity, or
 - iii) masonry veneer in accordance with NZBC Acceptable Solution E2/AS1, and
 - c) located in any exposure zone except microclimates (as defined in NZS3604).
2. Masons Barricade Weather Defense System shall:
 - a) be designed in accordance with the Masons Barricade Weather Defense System Design Guide V2.0 August 2022, and
 - b) be installed in accordance with the Masons Barricade Weather Defense System Installation Guide V2.1 August 2022, and
 - c) not be exposed to the weather or direct sunlight for more than 150 days during construction.
3. Contribution to compliance with Building Code clause H1.3.1(b) is conditional on the element incorporating Masons Barricade Weather Defense System being part of the thermal envelope of the building.

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

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.

B1 Structure - By testing and comparison with Acceptable Solution B1/AS1 and referenced Standard NZS3604:2011
B2 Durability - By testing and comparison with Acceptable Solutions B2/AS1 and E2/AS1 and referenced Standard NZS2295:2006
C3 Fire affecting areas beyond the fire source - By testing and comparison with Acceptable Solutions C/AS1 and C/AS2
E2 External moisture - By testing and comparison with Acceptable Solution E2/AS1 and referenced Standard NZS2295:2006
F2 Hazardous building materials - By comparison with the performance requirements of the Building Code clause F2.3.1
H1 Energy efficiency - By testing and comparison with Acceptable Solution E2/AS1



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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 12), 28 November 2019
2. C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire First edition (Amendment 2), 5 November 2020
3. C/VM1 Verification Method for Solid Fuel Appliances C/AS1 Acceptable Solution for Buildings with Sleeping (residential) and Outbuildings (Risk Group SH) For New Zealand Building Code Clauses C1-C6 Protection from Fire (Amendment 5), 5 November 2020
4. 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
5. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure First edition (Amendment 20), 29 November 2021
6. NZS3604:2011 Timber framed buildings
7. NZS2295:2006 Pliable, permeable building underlays
8. SCION Test Report P21:2010 fibre cement 400 mm walls with brackets, 31 May 2021
9. SCION Test Report P21:2010 fibre cement 600 mm walls with brackets, 31 May 2021
10. SCION Test Report P21:2010 fibre cement 1200 mm walls with brackets, 31 May 2021
11. ProConsult Letter Job Ref 13846 Masons Barricade Weather Defense System Bracing Values Compliance, 18 August 2022
12. ProConsult Letter Job Ref 13846 Masons 6mm Barricade Weather Defense System Out-of-Plane Wind Pressure Compliance, 17 October 2022
13. BBA Agrément Certificate 19/5636 Fibre-cement Wall Boards - UCO Superflex FX, 4 April 2019
14. SCION Report No. 45651642 Moisture Vapour Properties of Seven Self-adhesive Underlays, February 2022
15. SCION Report No. 43743986 ROOF VHP MAXI Testing to NZS 2295, September 2021
16. BRANZ Test Report FR14192-001-01 Fire Resistance of a Loadbearing Timber Stud Wall in Accordance with AS 1530.4:2014, 25 January 2022
17. UAC Environmental Product Declaration Number EPD-UAC-20180096-IAC1-EN, 3 December 2018
18. PRI Construction Materials Technologies Test Project 2309T0006 27, AAMA 711 Section 5.3 Peel Adhesion on Barricade WD Self adhered Membrane, May 2022
19. L H Boulton Report 201265 "Assessment of Masons Roofing Underlays for Buildings", 21 October 2020
20. Masons Barricade Weather Defense System Installation Guide V2.1 August 2022
21. Masons Barricade Weather Defense System Design Guide V2.0 August 2022.



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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.

N/A



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