



PRODUCT CERTIFICATE

Masons UNI® and UNI® PLUS Flexible Air Barriers



BUREAU
VERITAS

CERTIFICATE NO: CM70116 Rev1

Date of issue: 6 April 2022

1 CERTIFICATE HOLDER DETAILS

MASONS Plastabrick Ltd

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2 PRODUCT CERTIFICATION BODY

Bureau Veritas Australia Pty Ltd

3/435 Williamstown Road
Port Melbourne VIC 3207
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Bureau Veritas Australia Pty Ltd

The complaints process for this certificate
can be found here:

www.bureauveritas.com.au/your-feedback

KEY INFORMATION

3 SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT

Masons UNI® and UNI® PLUS Flexible Air Barriers are tri-laminate synthetic sheets 2.74 metres wide consisting of two outer non-woven layers and a middle synthetic membrane which is dark grey.

UNI® Flexible Air Barrier has a blue front face marked "UNI® Flexible Air Barrier" and a black rear face.

UNI® PLUS Flexible Air Barrier has a blue front face marked "UNI® PLUS Flexible Air Barrier" and a white rear face.

UNI® Flexible Air Barrier is also available as 600 mm wide sheet with a self-adhesive strip, marketed as UNI® Soffit.

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

Masons UNI® and UNI® PLUS Flexible Air Barriers are wall underlays and flexible air barriers and are suitable for use as temporary weather protection to allow interior works to continue inside the building without the exterior wall cladding fully in place.

UNI® PLUS Flexible Air Barrier is fire retardant and suitable for use where exposed to view in an occupied space.

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), B2.3.2

C3 Fire affecting areas beyond the fire source: C3.4(c) (UNI® PLUS)

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)

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

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6 CONDITIONS AND LIMITATIONS OF USE

1. Masons UNI® and UNI® PLUS Flexible Air Barriers are certified for use as a wall underlay and air barrier on buildings:
 - a. within the scope limitations of:
 - i. NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area for timber-framed construction; or
 - ii. NZBC Acceptable Solution E2/AS4 with regards to building height and floor plan area for light-steel framed construction, and
 - b. situated in wind zones (as defined in NZS 3604:2011) up to and including 'Extra High', provided stud and fixing centres are no greater than specified in the Masons UNI® Flexible Air Barrier Design and Installation Manual V1.0, October 2021 - CM, or the Masons UNI® PLUS Flexible Air Barrier Design and Installation Manual V2.0, March 2022 - CM respectively, and
 - c. with absorbent or non-absorbent wall claddings directly fixed to the frame; or installed over an 18 mm minimum drained cavity; or with masonry veneer, in accordance with NZBC Acceptable Solution E2/AS1 for timber framed buildings or NZBC Acceptable Solution E2/AS4 for steel framed buildings, and
 - d. Masons UNI® Flexible Air Barrier must not be used where the underlay is exposed to view in an occupied space.
 - e. Masons UNI® PLUS Flexible Air Barrier may be used when exposed to view in an occupied space.
2. Masons UNI® and UNI® PLUS Flexible Air Barriers shall be:
 - a. installed in accordance with the Masons UNI® Flexible Air Barrier Design and Installation Manual V1.0, October 2021 - CM, or the Masons UNI® PLUS Flexible Air Barrier Design and Installation Manual V2.0, March 2022 - CM respectively, and
 - b. separated from fireplaces, heating appliances, flues and chimneys in accordance with the requirements of NZBC Acceptable Solutions C/AS1 and C/AS2, Paragraph 7.5.9 for the protection of combustible materials, and
 - c. protected from sunlight within 90 days
3. Contribution to compliance with Building Code clause H1.3.1(b) is conditional on:
 - a. the element incorporating Masons UNI® and UNI® PLUS Flexible Air Barrier being part of the thermal envelope of the building, and
 - b. horizontal and vertical laps being securely taped.

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



Trent Mason
Director

For and on behalf of
MASONS Plastabrick Ltd



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SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

9 SUPPORTING INFORMATION ABOUT DESCRIPTION

The following accessories are used with Masons UNI® Flexible Air Barrier :

- UNI Seam Tape
- UNI Fasteners
- Masons 40 Below, 40 Below Platinum and 40 Below Flex flashing tapes
- Masons Corner Guards
- Penetration seals

10 SUPPORTING INFORMATION ABOUT INTENDED USE

N/A

11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

N/A



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12 BASIS FOR CERTIFICATION

B2 Durability - By testing and comparison with Acceptable Solution E2/AS1 and referenced standard NZS2295
 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
 F2 Hazardous building materials - By comparison with requirements of performance requirements of Building Code clause F2.3.1
 H1 Energy efficiency - By testing and comparison with Acceptable Solution E2/AS1 and referenced standard NZS 2295

13 SUPPORTING DOCUMENTATION FOR CERTIFICATION

1. 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
2. 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
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 E2 External Moisture E2/AS4 First edition, 28 November 2019
5. NZS 2295 2295:2006 Pliable, permeable building underlays
6. AS1530.2:1993 Methods for fire tests on building materials, components and structures
7. Masons Plastabrick Material Safety Datasheet V2, January 2022
8. Scion Report No 2704886 [J31991 / QT8222VHPU] Evaluation of Roof VHP Ultra to NZS2295, July 2020
9. ProConsult Report Reference 13038 HP Ultra wall underlay system compliance with NZBC B1 Structure (including fixing recommendations), 22 March 20
10. L H Bolton Report 201265 Assessment of Masons Roofing Underlays for Buildings, 21 October 2020
11. NZWTA Test Report No.1374734.0 "SP180 Test for Flammability to AS1530 .2-1993", July 2021
12. Scion Report No 45558911 [J32028 / QT9596] Assessment of SP180 TO NZS 2295, January 2022
13. Masons UNI® Flexible Air Barrier Design and Installation Manual V1.0, October 2021 - CM
14. Masons UNI® PLUS Flexible Air Barrier Design and Installation Manual V2.0, March 2022 - CM

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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.