



PRODUCT CERTIFICATE

Enviro Cladding System



BUREAU
VERITAS

CERTIFICATE NO: CM70092

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1 CERTIFICATE HOLDER DETAILS

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2 PRODUCT CERTIFICATION BODY

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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

The Enviro Cladding System consists of 50 mm-thick steel-reinforced Autoclaved Aerated Concrete (AAC) panels, 2200mm wide x 600mm high, mounted horizontally on H3.2 treated timber or high density expanded polystyrene (EPS) cavity battens and screw fixed to the external load-bearing wall. The Enviro Cladding System includes a plastered rendered coating to the exterior face of the panel.

*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

The Enviro Cladding System is a non-load-bearing external wall cladding fixed to battens on an external load-bearing wall.

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, f, h, j, q), B1.3.4
B2 Durability: B2.3.1(a), B2.3.1(b), B2.3.2
C3 Fire affecting areas beyond the fire source: C3.6 (contributes to), C3.7
E2 External moisture: E2.3.2, E2.3.5, E2.3.7
F2 Hazardous building materials: F2.3.1

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. The Enviro Cladding System is certified for use on buildings that are:
 - a) timber-framed to NZS3604:2011 Timber framed buildings or steel-framed specifically designed to NASH Standard Part 2:2019 Light Steel Framed Buildings, and
 - b) within the scope of Acceptable Solution E2/AS1 para 1.1, and with risk score not greater than 20, and
 - c) located in a wind zone up to and including Extra High wind zone (as specified in NZS3604:2011), and
 - d) located in any seismic zone (as specified in NZS3604:2011), and
 - e) in any exposure zone (excluding microclimates) (as specified in NZS3604), and
 - f) in risk groups SH, SM, CA or VP (as defined in Acceptable Solution C/AS1 and Acceptable Solution C/AS2) without sprinklers, located any distance from a relevant boundary with the proviso that EPS Battens must not be used for the Enviro Cladding System located closer than 1m from a relevant boundary for risk groups SM, CA or VP.
2. The Enviro Cladding System shall be installed:
 - a) on walls that are vertical, and
 - b) in accordance with the Enviro Cladding Systems AAC Wall Panel Technical Manual, October 2020
3. Where the Enviro Cladding System is located closer than 1m from a relevant boundary the internal face of the wall shall be lined with 10 mm (minimum) standard grade plasterboard
4. All joinery used in conjunction with the Enviro Cladding System shall meet the requirements of NZS 4211:2008 Specification for performance of windows and be installed with vertical jambs and horizontal heads and sills.
5. EPS battens shall not be left exposed to sunlight.

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 Enviro Cladding System has the following components:

Autoclaved Aerated Concrete (AAC) panels 2200 mm wide x 600 mm high, 50mm thick

Battens:

- 20mm Poly Batten - 50 x 20 mm H grade EPS
- 20mm - 45 mm Timber Batten H3.2 (50 x 20mm; 45 x 45mm)

Plaster and Finishing Systems

- Mineral Plaster
 - Basecoat Plaster
 - Masons PlastaSeal™ Sealer
 - Fibreglass Mesh 150gsm: Embedded in Masons Skimming or Meshing or Enviro X render
 - Skimming Fill-out Coat: This coat is optional
 - Selected Finishing Coat: Masons 1 or 2mm texture or Adobe
 - Finishing
 - Premium Lime Stop Sealer: Applied over plaster finish to seal the plaster prior to painting.
 - Premium Build Elastomeric Acrylic Latex Paint: Applied in two coats to the plastered surface.
- Acrylic Plaster
 - Basecoat Plaster
 - Masons PlastaSeal™ Sealer
 - Optional Levelling Coat: Masons Skimming or Meshing render
 - Fibreglass Mesh 150gsm: Embedded in Masons FLX Bedding plaster
 - FLX™ Texture coat: 3-4 mm of FLX™ 1,2 or 3mm texture (can be pre-coloured and replace one coat of paint)
 - Finishing
 - Cure Finish: Cure and protect from rapid drying in accordance with Masons requirements.
 - Premium Build Elastomeric Acrylic Latex Paint: Applied in two coats to the plastered surface.

Fixings

- Enviro Screws (bugle head) 75 mm, 100 mm stainless steel, galvanised Panel Adhesive
- Enviro Jointing Glue



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Corrosion Protection Paint

- CRC ZINC IT

Flashings

- Enviro Reveal Bead
- Enviro Sill Flashing, 50mm
- Enviro Base Shoe/Head Flashing 50mm
- Control Joint PVC 8mm - 3mtr
- Plaster Jamb Perforated 50mm
- Edge Finishing Bead
- Meshed Corner Beads
- Corner Bead PVC, 20x20mm 2.7mtr
- Corner Soaker PVC
- Metal Louvre Weephole vent

10 SUPPORTING INFORMATION ABOUT INTENDED USE

Further details regarding the use of the product can be found in the Enviro Cladding Systems AAC Wall Panel Technical Manual, October 2020

11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

N/A



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12 BASIS FOR CERTIFICATION

- B1 Structure - By analysis and comparison with Verification Method B1/VM1
- B2 Durability - By analysis and comparison with Verification Method B2/VM1 and Acceptable Solution B2/AS1
- C3 Fire affecting areas beyond the fire source - By testing and comparison with Verification Method C/VM2 and Acceptable Solutions C/AS1 and C/AS2
- E2 External moisture - By testing and comparison with Verification Method E2/VM1 and Acceptable Solution E2/AS3
- F2 Hazardous building materials - By comparison with Building Code performance clause F2.3.1

13 SUPPORTING DOCUMENTATION FOR CERTIFICATION

1. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure 1st Edition (Amendment 19), 28 November 2019
2. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause B2 Durability (Amendment 12), 28 November 2019
3. C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire, 1st edition, 27 June 2019
4. C/VM1 Verification Method for Solid Fuel Appliances and 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 4), 1 January 2017
5. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause E2 External moisture 3rd edition (Amendment 9), 27 June 2019
6. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause F2 Hazardous Building Materials (Amendment 3), 1 January 2017
7. CCANZ CP01:2014 Code of Practice for Weathertight Concrete and Concrete Masonry Construction
8. Ian Bennie and Associates Test Report No. 2015-102-S1 Nashi 50mm Wall System, January 2016
9. Exova Certificate of Assessment Certificate no. SFC 38259000.4 Nashi Super50 AAC Panel (Tests to AS1530.4-2014), 3 May 2018
10. Exova EWFA Test Report No. 365312-00.1 Tests in accordance with AS/NZS 1530.1-1994 Autoclaved Lightweight Aerated Concrete, 18 August 2015
11. Material Safety Data Sheet - Masons Enviro Panel 50 & 75 mm thick
12. MSDS NASAHI PANELS MPNL-SDS-2015, 1 October 2015
13. Redco Report Ref: 18283/impl201204ltr.docx EnviroPanel Certification for Extra High Wind Zone, 4 December 2020
14. Sharp and Howells Report Test Report No. 19-0125B Testing of Reinforced Autoclaved Aerated Concrete Members to AS5146.2, 17 October 2019
15. Enviro AAC Wall Panel Technical Manual, October 2020

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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.