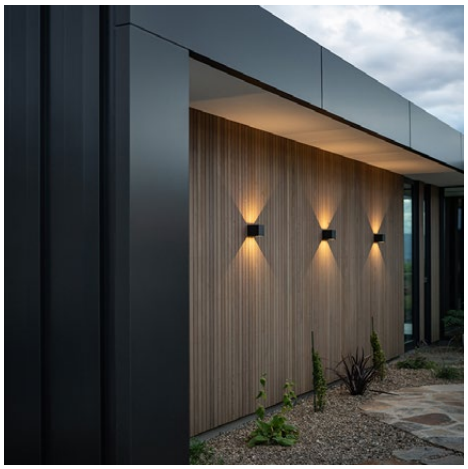
pass™ PRODUCT ASSURANCE SUPPLIER STATEMENT

pass™ no: 19237 | Expires: 06/2024

THE BUILDING AGENCY

MATERIALS • SYSTEMS • SOLUTIONS

ALUCOBOND® PLUS AND A2 EXTERNAL CLADDING SYSTEM



PURPOSE

The Alucobond® Plus and A2 External Cladding System is supplied by The Building Agency Ltd for use as an external cladding system.

EXPLANATION

Alucobond® Plus and A2 panels are aluminium composite panels composed of two 0.5 mm aluminum cover sheets and a low flammability and non-combustible mineral-filled core, resulting in a 4 mm total thickness.

The rear faces of the aluminum sheets are coated with a polyester-based service layer, while the visible exterior surfaces are finished with a continuously coil coated baked enamel coating.

The Alucobond® Plus and A2 External Cladding System is installed over a drained and ventilated cavity, with panels fixed using the WAB extrusion or rout and return fixing systems.

Alucobond® Plus and A2 panels are available in a range of colours in the following profiles:

- Thickness: 4 mm
- Width: 1000,1250,1500,1575 mm.
- Length: To order.

Following use as external cladding systems, the aluminium and core material can be recycled.

For further assistance please contact:

09 415 2669

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www.thebuildingagency.co.nz

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location	
In wind zones up to and including Extra High as defined in NZS 3604:2011 or a maximum wind design pressure (ULS) of 2.5 kPa.	
In all exposure zones as defined in NZS 3604:2011.	› Where microclimatic conditions apply as defined in paragraph 4.2.4 of NZS 3604:2011, contact The Building Agency for advice.
Any proximity to a relevant boundary.	› Where fire code obligations for proximity to the boundary apply, the external wall installation must be in accordance with the NFPA 285 test assembly.
Building	
In conjunction with a primary structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work.	
On timber or steel framing.	
As an external cladding system over a drained and ventilated cavity.	› The system may be installed on building heights up to a design SLS of 2.5 kPa. › Installation must be in conjunction with The Building Agency, Rout and Return or WAB extrusion fixing systems. › A rigid air barrier, suitable for use with the Alucobond® Plus and A2 External Cladding System, in wind zones of very high and greater as defined in NZS3604:2011, that meets the properties of Table 23 of E2/AS1. › The wall assembly must be in accordance with the E2/VM1 test assembly. › At building heights where fire code obligations apply, the external wall installation must be subject to specific fire engineering design. › Joinery must be in accordance with NZS 4211:2008 or have a current product certificate.

USEFUL INFORMATION

For design, installation, maintenance and warranty information for Alucobond® Plus and A2 External Cladding System, and for supply and manufacturing information, and the statement made about s26 of the Building Act 2004, refer to **www.thebuildingagency.co.nz**.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all The Building Agency requirements, Alucobond® Plus and A2 External Cladding System will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 STRUCTURE B1.3.1, B1.3.2, B1.3.3 (a, e, f, h, j, q)	ALTERNATIVE SOLUTION	› Tested in accordance with E2/VM1 and AS/NZS 4284:2008 to 2.5 kPa by IANZ accredited test facility [façadelab, 25/07/2014; 30/07/2014].
B2 DURABILITY B2.3.1 (b)	ALTERNATIVE SOLUTION	› System componentry materials in accordance with Table 20 of Acceptable Solution E2/AS1, Section 4 of NZS 3604:2011, and Table 1 of Acceptable Solution B2/AS1. › EN-AW5005 corrosion resistant alloy [3A Composites, n.d]. › PvdF fluorocarbon lacquer coating in accordance with European-Coil-Coating Association standards, with 30-40% acc. to Gardner Scale gloss [3A Composites, n.d].
C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE C3.5, C3.6, C3.8	ALTERNATIVE SOLUTION ACCEPTABLE SOLUTION C/AS1 and C/AS2	› System tested in accordance with NFPA 285-12 [Intertek, 02/07/2019]. › Aluminium is non-combustible. › Alucobond® Plus tested to EN 13501-1:2007 [TÜV SÜD PSB, 12/04/2017]. › Alucobond® A2 tested to ISO 5660 Parts 1 and 2 [BRANZ, 04/04/2019].
E2 EXTERNAL MOISTURE E2.3.2, E2.3.3, E2.3.5, E2.3.7	VERIFICATION METHOD E2/VM1 and ALTERNATIVE SOLUTION	› Aluminium is impervious to moisture. › Tested in accordance with E2/VM1 and AS/NZS 4284:2008 by IANZ accredited test facility [façadelab, 25/07/2014; 30/07/2014].
F2 HAZARDOUS BUILDING MATERIALS F3.2.1	ALTERNATIVE SOLUTION	› Aluminium is an inert metal and coating system is inert once dry.

SOURCES OF INFORMATION

› façadelab. [25/07/14] *Performance tests on Symonite composite Aluminium cladding system in accordance AS/NZS 4284:2008 testing of Building Facades*.Test Report No. 14/06A.
› façadelab. [30/07/2014] *Performance tests on Symonite composite Aluminium cladding system in accordance New Zealand Building Code E2/VM1*. Test Report No 14/06B.
› TÜV SÜD PSB. [12/04/2017] *Certificate of Confirmity*. No. CLS1A 17 11 80739 031.
› 3A Composites. [n.d] *Alucobond®*.
› Intertek. [02/07/2019] *Symonite Panels Fire Test Report*.
› BRANZ. [04/04/2019] *BRANZ Type Test FH10913-1*.

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1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable.
2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards.
3. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™.
4. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

The Building Agency Ltd confirms that if Alucobond® Plus and A2 External Cladding System is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

Date of first issue:	11/07/2023
Date of current issue:	02/08/2023
NZBN:	9429042373131

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of The Building Agency Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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