

ALUCOLUX® SOLID ALUMINIUM PANEL

PURPOSE

ALUCOLUX® panels are supplied for use in external cladding systems and rainscreens.

EXPLANATION

ALUCOLUX® is a 3 mm thick, prefinished solid aluminium panel which is coil coated using an in-line 3-coat fluorocarbon PVDF system. The coating is applied through a reverse roller coating process. The coating achieves a quality label Category 1 in accordance with AAMA 2605.

The panels are supplied with a 70 micron self-adhesive foil which provides 6 months protection against construction-related damage.

ALUCOLUX® is available in a range of colours, embossed surfaces and the reverse side has a mill finish or service coat. The sheets are supplied as follows:

- Length (mm): 3500 (standard) and up to 6000 (indent)
- Widths (mm): 1575 (standard) and 1000, 1250, 1500 (indent).

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location In all wind zones up to and including extra high as defined in NZS 3604:2011, or a maximum design differential ultimate limit state (ULS) of 3.6 kPa. Any proximity to a relevant boundary.	<ul style="list-style-type: none"> ➤ The system that the ALUCOLUX® is to be used with must be able to meet wind conditions. ➤ The system that the ALUCOLUX® is to be used with must be able to meet all relevant fire building code obligations.
In all exposure zones as defined in NZS 3604:2011.	<ul style="list-style-type: none"> ➤ Where adverse microclimatic conditions apply (refer paragraph 4.2.4 of NZS 3604:2011) contact The Building Agency Ltd for technical advice.
Building On buildings of any building height.	<ul style="list-style-type: none"> ➤ Up to a maximum wind design ULS 3.6 kPa. ➤ Where the building height is greater than 10 m, the system that the ALUCOLUX® is to be used with must be able to meet all relevant fire building code obligations.



For further assistance please contact:

- ☎ 09 415 2669
- ✉ info@thebuildingagency.co.nz
- 🌐 www.thebuildingagency.co.nz



CONDITIONS OF USE

NZ Building Code compliance in respect of the system that the ALUCOLUX® is part of falls outside this assurance statement.

USEFUL INFORMATION

For information on our warranty refer to www.thebuildingagency.co.nz



PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all The Building Agency Ltd requirements, ALUCOLUX® will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement ¹	Demonstrated by
B1 Structure B1.3.1, B1.3.2, B1.3.3 (a, f, h, j, q) B1.3.4 (a, b, c, d, e)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> ➤ ALUCOLUX® sheets have comparable material and mechanical properties to Reynodual®. ➤ BRANZ completed a technical assessment of Reynodual®, BRANZ appraisal 528. ➤ BRANZ is accredited by IANZ.
B2 Durability B2.3.1 (b) B2.3.2 (b)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> ➤ ALUCOLUX® sheets have comparable material and mechanical properties to Reynodual®. ➤ BRANZ completed a technical assessment of Reynodual®, BRANZ appraisal 528. ➤ BRANZ is accredited by IANZ.
C3 Fire affecting areas beyond the fire source C3.7 (a)	ACCEPTABLE SOLUTION C/AS2 1st Edition June 2019	<ul style="list-style-type: none"> ➤ Aluminium is non-combustible (refer definitions C/AS2). ➤ ALUCOLUX® tested by Intertek to EN13501-1:2007, classified as class A1.
E2 External moisture E2.3.2	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> ➤ Aluminium is impervious to moisture.
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> ➤ The coating system is inert once dry.

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.

SOURCES OF INFORMATION

- BRANZ (5/09/2018). *BRANZ Appraisal No, 528 [2017]. Symonite Cladding System.*
- Mclsaac, S. (12/2019). *ALUCOLUX Cladding Systems.* Oculus Architectural Engineering Ltd, Auckland.
- Intertek. (11/06/2019). *Alucobond Composites (Jiangsu) Ltd. Report No. 190605005SHF-001-R1.*

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.



Scan or click this QR code for a full download of Compliance Documentation for this pass™.
www.thebuildingagency.co.nz



NAME: Ben Heald

POSITION: Director

DATE OF FIRST ISSUE:

DATE OF NEXT ASSURANCE:

Signed on behalf of The Building Agency Ltd:

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.



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This Product Assurance Supplier Statement (pass™) has been prepared by TBB in accordance with MBIE PTS guidelines and the recommendations of s9.2, Determination No. 2019-011 (issued 12 April 2019). TBB is ISO9001:2016 certified. Copyright © 2017, The Building Business Limited (TBB). All rights reserved.

VERSION:

Uncontrolled in printed format