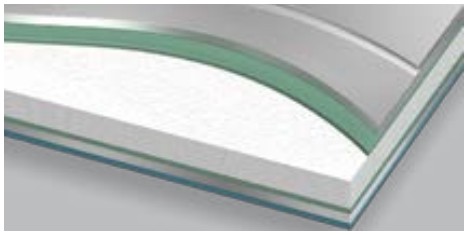
pass™ PRODUCT ASSURANCE SUPPLIER STATEMENT

pass™ no: 19132 | Expires: 12/2021

PSP LIMITED

ALPOLIC® NC/A1

ALPOLIC™ A1



PURPOSE

ALPOLIC® NC/A1 is supplied by PSP for use as part of an external wall cladding system or as an internal wall lining, including in wet areas.

EXPLANATION

ALPOLIC® NC/A1 is an aluminium composite panel, with a non-combustible mineral core, sandwiched between two skins of 0.5 mm thick aluminium. The surface is finished with LUMIFLON® fluorocarbon paint that is applied in the manufacturer's continuous coil coating lines.

ALPOLIC® NC/A1 is available in panels of:

- thickness (mm) 4
- width (mm) 1270, 1575
- length (mm) 2498, 3099, 4000, 5000 (special sheet lengths, between 1800 mm and 7200 mm, on request).

The manufacture of ALPOLIC® NC/A1 uses some recycled materials. Following its use as an external cladding, the aluminium and core material can be reutilised.

For further assistance please contact:

09 415 2800

customerservices@psp.co.nz

www.psp.co.nz

WE COMPLY s14G BUILDING ACT 2004

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location *(Only applies where used as an external cladding.)*	
In wind zones up to and including extra high as defined in NZS 3604:2011 or calculated design wind pressure (ULS) of 2.5 kPa.	
In all exposure zones as defined in NZS 3604:2011.	❯ The system cannot be used where adverse microclimatic conditions apply as set out in paragraph 4.2.4 of NZS 3604:2011.
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.	
As an external wall cladding, on buildings up to 10 m in building height, or a design wind pressure (ULS) of 2.5 kPa and in conjunction with a drained and ventilated cavity.	❯ In accordance with the fixing method used in façadelab E2/VM1 test or subject to specific design for supporting structural system. ❯ With a building wrap that meets the performance characteristics of Table 23, E2/AS1 and has an airflow resistance greater than 0.1 MNs/M³. ❯ Where design wind pressure is greater than 1.55 kPa, a rigid air barrier is required. ❯ Metal flashings and stainless steel fixings complying with Table 7 and Table 20 of E2/AS1 must be used.
As an internal lining.	❯ The panel must be earthed where surrounding or touching an electric installation or power source. ❯ In wet areas, installation must be in accordance with E3/AS1. ❯ Where material with a fire rating Material Group Number 1S or greater is required.

USEFUL INFORMATION

For information on the design, installation and maintenance of ALPOLIC® NC/A1 and for our warranty refer to www.psp.co.nz.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all PSP requirements, ALPOLIC® NC/A1 will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE[1] Compliance statement	Demonstrated by
B1 Structure B1.3.1, B1.3.2 B1.3.3 (a, b, c, e, f, h, j, m) B1.3.4 (a, b, c, d, e)	ALTERNATIVE SOLUTION	› Tested to ANSI FM 4473 for hail impact [Ian Bennie & Associates Pty. Ltd, 07/2019]. › Manufacturer's Summary of Technical Data Sheet [Mitsubishi Chemical, 11/2008]. › Expert assessment and comparison of ALPOLIC® NC/A1 and ALPOLIC® FR, based on E2/VM1 and AS/NZS 4284 test for ALPOLIC® FR [Meinhardt-Bonacci, 15/10/2020].
B2 Durability B2.3.2 (b)	ALTERNATIVE SOLUTION	› Manufacturer's Summary of Technical Data Sheet [Mitsubishi Chemical, 11/2008].
C3 Fire affecting areas beyond the source C3.4 (a), C3.5, C3.7 (a)	ACCEPTABLE SOLUTION C/AS1, C/AS2 1st edition June 2019	› Manufacturer's Summary of Technical Data Sheet [Mitsubishi Chemical, 11/2008].
E2 External moisture E2.3.2, E2.3.3 E2.3.5, E2.3.7 (a, b, c)	VERIFICATION METHOD E2/VM1	› Expert assessment and comparison of ALPOLIC® NC/A1 and ALPOLIC® FR, based on E2/VM1 and AS/NZS 4284 test for ALPOLIC® FR [Meinhardt-Bonacci, 15/10/2020]. › ALPOLIC® FR tested in accordance with AS/NZS 4284:2008 by façadelab [façadelab, 07/2017]. › façadelab is IANZ accredited.
E3 Internal moisture E3.3.4, E3.3.5, E3.3.6	ALTERNATIVE SOLUTION	› Aluminium is impervious to moisture. › Manufacturer's Summary of Technical Data Sheet [Mitsubishi Chemical, 11/2008].
F2 Hazardous building materials F2.3.1	ALTERNATIVE SOLUTION	› Material is inert and passed combustion toxicity testing. › Manufacturer's Material safety data sheet [Mitsubishi Chemical Corporation, 1/12/2018].
G3 Food preparation and prevention of contamination G3.3.2 (a)	ALTERNATIVE SOLUTION	› The coating system does not support the growth of bacteria or fungi. › Manufacturer's Summary of Technical Data Sheet [Mitsubishi Chemical, 11/2008].

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

› Meinhardt-Bonacci. [15/10/2020] *ALPOLIC NC – NZBC E2/VM1 COMPLIANCE.*

› Ian Bennie & Associates Pty. Ltd. [07/2019] *4MM MITSUBISHI ALPOLIC/NC HAIL IMPACT TEST for Network Architectural.* Test Report no. 2019-078-SI Report.

› façadelab. [07/2017] *Performance tests on cavity cladding façade mock-up for Mainfreight Building, Hamilton, in accordance with the method of AS/NZS 4284: 2008 Testing of Building Facades, excluding the deflection test.* Test Report No. 15/02.

› Mitsubishi Chemical Corporation. [01/12/2018]. *Safety data sheet (SDS).* Retrieved from https://www.alpolic.com/alpolic-intl/wp-content/uploads/2019/10/msds_a1.pdf. [Accessed 24/11/2020].

› Mitsubishi Chemical. [04/2020]. *Summary of Technical Data Sheet – ALPOLICTM NC / ALPOLICTM A1.* Retrieved from https://www.alpolic.com/alpolic-intl/wp-content/uploads/2019/10/specs_a1.pdf. [Accessed 24/11/2020].

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.psp.co.nz

NAME: Vaughan Brown

POSITION: Business Unit Manager

DATE OF FIRST ISSUE: 12/2020

DATE OF NEXT ASSURANCE: 12/2023

Signed on behalf of PSP Limited:

Vaughan Brown

Digitally signed by Vaughan Brown
Date: 2020.12.17 20:04:23 +13'00'

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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