

Certificate no: CMNZ30148

Version: B

Original issue date: 20 March 2023

Version date: 12 January 2026

Renewal Date: 12 January 2029

1. Certificate Holder Details



Paneltec New Zealand Ltd

Trading as Paneltec
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2. Product Certification Body

Global-Mark Pty Ltd

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Complaints: The complaints process for this certificate can be found here:
www.global-mark.co.nz/complaints

Global-Mark Managing Director.

A handwritten signature in black ink, appearing to read 'Herve Michoux'.

Herve Michoux



Product Certificate

Stryum Aluminium Panel Cladding System

3. Description of Building Method or Product

The Stryum Aluminium Panel Cladding System consists of solid aluminium cladding panels with either anodised or powder coated surface finish consisting of interlocking profiles:

- Shadow 160, 200 & 300 (Single groove)
- Shadow 90/90 & 170/95 (Double groove)
- Seam 260 (Single ridge)
- Seam 130/130 (Double ridge)

Stryum Aluminium Cladding Panels are secured to timber, steel or masonry structures with concealed fixings, accessories supplied include S section battens, universal trims, shadow trims and seam trims. The Stryum Aluminium Panel Cladding System may be installed over flexible or rigid wall underlay.

4. Intended use of Building Method or Product

The Stryum Aluminium Panel Cladding System is a profiled solid aluminium interlocking linear cladding system used as external wall cladding for all building types, subject to the Conditions and Limitations of Use detailed within this certificate.

5. New Zealand Building Code Provisions

The System if designed, used, installed and maintained in accordance with the conditions of this Certificate will comply with or contribute to compliance with the following performance provisions of the NZ Building Code:

Clause B1 STRUCTURE:

Performance B1.3.1, B1.3.2 and B1.3.4, for the relevant physical conditions of B1.3.3 (a), (f), (h), (j) & (m)

Clause B2 DURABILITY:

Performance B2.3.1 (b) 15 years and B2.3.2 (a)

Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE:

Performance C3.5 (contributes to) & C3.7 (a)

Clause E2 EXTERNAL MOISTURE:

Performance E2.3.2, E2.3.5 (contributes to), E2.3.6 (contributes to) & E2.3.7

Clause F2 HAZARDOUS BUILDING MATERIALS:

Performance F2.3.1



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6. Conditions and Limitations of Use

1. Stryum Aluminium Panel Cladding System is certified for use as an external wall cladding on buildings:
 - a. Designed:
 - i. with Stryum S batten supports (maximum 600mm spacing) as nominated in the Stryum technical literature, and
 - ii. in accordance with NZS 3604:2011 for timber framed buildings, or
 - iii. in accordance with NZS 3404:2009 Part 1 and NASH Standard Part 2: May 2019 Light Steel Framed Buildings, or
 - iv. in accordance with NZS 4229:2013 for masonry buildings, and
 - v. with Substrate and cladding framing deflections not exceeding Span/250, and
 - vi. located in Wind zone (NZS 3604:2011) up to and including Very High, or
 - b. Specifically Engineering Designed by a Chartered Professional Engineer in accordance with B1/VM1, with the following limitations:
 - i. with Stryum S batten supports (maximum 600mm spacing) as nominated in the Stryum technical literature, and
 - ii. within the scope of application of E2/VM2, and
 - iii. Substrate and cladding framing deflections not exceeding Span/250
2. Stryum Aluminium Panel Cladding System is certified for use as an external wall cladding on buildings:
 - a. with a flexible wall underlay or rigid wall underlay that complies with:
 - i. NZBC Acceptable Solution E2/AS1, 4th Edition, 28 July 2025, Table C2.1.1 for timber framed buildings, or
 - ii. NASH Building Envelope Solutions:2019, Table 23 for steel frames buildings, and
 - iii. where a flexible wall underlay is used with the Stryum Aluminium Panel Cladding System, with the following wind pressure limits:

- SLS wind pressure:	-2.5 to +2.0 kPa, and
- ULS wind pressure:	-5.25 to +4.0 kPa, and
 - iv. where a rigid wall underlay is used with the Stryum Aluminium Panel Cladding System, with the following wind pressure limits:

- SLS wind pressure:	-4.0 to +3.5 kPa, and
- ULS wind pressure:	-5.25 to +4.0 kPa where non-combustible cladding materials are permitted, and
 - b. located anywhere with respect to a relevant boundary, and
 - c. when required, intumescent cavity barriers as specified in the STYRUM technical literature shall be installed in accordance with NZBC Acceptable Solution C/AS2, First Edition, Amendment 3, 2 November 2023, Section 5.8.5.
 - d. located in Exposure Zones B, C & D (except for microclimates) as defined in NZS 3604:2011 section 4.2, provided all fasteners and fixings are in accordance with NZS 3604:2011 Section 4, and
 - e. with aluminium window and door joinery that meets the requirements of NZS 4211:2008 and installed with suitable vertical jamb and horizontal head and sill flashings.
3. Stryum Woodgrain finish is not to be used on the exterior walls of buildings that have C3.5 & C3.7 requirements or where non-combustible cladding materials are required (the thicker Woodgrain Powder Coat finish has not been tested for Non-combustibility).



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4. Stryum wall cladding shall be installed by Paneltec trained & approved building professionals, in accordance with the Stryum applicable technical literature.
5. Stryum Aluminium Panel Cladding System with panel installation other than vertical or horizontal, and on non-vertical surfaces (eg. used as parapet capping) is outside the scope of this certificate.
6. Stryum Aluminium Panel Cladding System must be specified, installed and maintained in accordance with the following documentation referenced as the Stryum applicable technical literature:
 - Paneltec Stryum – Product Information Brochure, November 2025
 - Paneltec Stryum – Technical Information, version 1.1, November 2022
 - Paneltec Stryum Installation Guide – Shadow Vertical, v1.0, February 2022
 - Paneltec Stryum Installation Guide – Shadow Horizontal, v1.0, February 2022
 - Paneltec Stryum Installation Guide – Seam Vertical, v1.1, October 2022
7. The designer shall provide a signed Declaration for submission with the building consent application that the use of this product in the proposed building work falls within the scope of this certificate and that all design conditions of this certificate have been met.
8. The installer shall supply a signed Declaration that the product has been installed in accordance with the installation conditions of this certificate, for consideration for issuing a Code Compliance Certificate (CCC).

7. Health and Safety Information

Standard industry safety practices and manufacturer safety requirement as detailed in the technical literature including the applicable MSDS and SDS must be observed at all times. Please refer to the Material Safety Data Sheet – Stryum Solid Aluminium v1.2, 1 July 2024.

8. Basis for Certification

The certification decision is based on independent technical review(s) of test report(s), engineering opinion(s) and other documented evidence(s), factory audit(s) and site review(s)

Code Objective Clause	Compliance pathway
B1 STRUCTURE	B1/VM1, Second Edition, 28 July 2025 Expert calculations & reference to AS/NZS 1170 & AS 4040.3
B2 DURABILITY	B2/VM1, Third edition 28 July 2025 Expert judgement



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C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE	C/AS1, Second edition, 2 November 2023, and C/AS2, First edition, amendment 3, 2 November 2023 Assessment of Fire Testing in accordance with AS1530.1 and AS1530.3
E2 EXTERNAL MOISTURE	Alternative solution based on expert judgement through analysis of Testing in accordance with AS4284.
F2 HAZARDOUS BUILDING MATERIALS	Alternative solution based on expert judgement through analysis of product MSDS.

9. Supporting Documentation for Certification

Nb	Author	Description	Date and/or Revision
01	Paneltec	Stryum Interlocking Aluminium Panel Cladding System – PRODUCT INFORMATION Brochure	November 2025
02	Paneltec	Stryum Interlocking Aluminium Panel Cladding System – TECHNICAL INFORMATION Manual	Version 1.1, November 2022
03	Paneltec	Stryum Installation Guide – Shadow Vertical	Version 1.0, February 2022
04	Paneltec	Stryum Installation Guide – Shadow Horizontal	Version 1.0, February 2022
05	Paneltec	Stryum Installation Guide – Seam Vertical	Version 1.1, October 2022
06	Paneltec	Stryum – New Zealand Trims Guide	February 2022
07	Paneltec	Stryum Panel – WARRANTY	Version 1.2
08	Ian Bennie & Associates	Test Report 2016-020-S4-S6	5 April 2016
09*	Ian Bennie & Associates	Test Report 2016-020-S7	5 April 2016
10*	The Building Business	Stryum – Structural Conditions	13 Mar 2023
11*	Symetrix Engineering	Stryum Interlocking Panels – Fixing engineering design into Timber	22 May 2025
12*	AkzoNobel	Interpon Commercial Collection – Powder Coating	October 2018
13	Dulux	Powder Coat Series – Premium Architectural Colour Selector	October 2022
14*	CSIRO	Fire Test Report FNC11417	10 June 2015



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15*	CSIRO	Fire Test Report FNC11437	22 July 2015
16*	CSIRO	Fire Test Report FNE12443	10 September 2019
17	Southbrook Fire	Fire Resistance Test Report – 23SFR00074	15 November 2023
18*	VIPAC Engineers & Scientists	Weatherproofing test report 30B-19-0059-TRP-6774700-1	1 April 2020
19*	VIPAC Engineers & Scientists	Weatherproofing test report 30B-19-0059-TRP-6774699-0	2 April 2020
20*	Ian Bennie & Associates	Weatherproofing test report 2018-100-S2	27 February 2019
21	Paneltec	Material Safety Datasheet – Stryum Solid Aluminium v1.2	1 July 2024

* These documents were provided commercial in confidence and are not publicly available

10. Supporting Information About Description (Optional)

The Stryum Woodgrain finish is outside the scope of the non-combustibility testing considered by this certificate.

The Stryum Aluminium Panel Cladding System panels are solid aluminium cladding panels with either anodised or powder coated surface finish and may be fixed to either timber frames, steel frames or masonry structure with proprietary fixing brackets, fasteners, flashing and trim profiles, as detailed in the **Stryum applicable technical literature**.

11. Supporting Information About Intended Use (Optional)

The Stryum Aluminium Panel Cladding System accessories and approved construction components are detailed in the **Stryum applicable technical literature**.

12. Supporting Information About Conditions and Limitations of Use (Optional)

Nil

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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