

Class 1

Building Product Information (BPIR)

AliClad MAX BPIR

Declaration

Product Details

Product name:	AliClad MAX
Product description and its intended use:	A solid 2.2 mm thick, extruded aluminium pre-finished exterior or interior weatherboard cladding system. Manufactured from 6063-15 aluminium and powder coated. The system incorporates a hidden fixing system and a two-face extruded flashing system, fixed to 20mm drained and ventilated cavities. All coatings used on ALICIAD MAX components are free of VO Cs. Available in three profiles: • V Groove: Installed horizontally or vertically 136 mm and 200 mm width (not total cover width) • S Groove: Installed horizontally or vertically 200 mm width (not total cover width) • B Profiles: Installed vertically 200 mm width (not total cover width)

Supplier Details

Name:	The Building Agency Limited
Role:	Supplier
NZBN:	9429042373131
Address:	1/14 Link Drive, Wairau Valley Auckland. 0627
Website:	www.thebuildingagency.co.nz
Email:	info@buildingagency.co.nz
Phone:	09 415 2669

Manufacturer Details

Name:	Top Ace Development Ltd
Location:	Jinhui Industrial Zone, Panyu District, Guangzhou, China

Limitation of Use

- Where the wind design pressure exceeds 2.5 kPa, specific design and detailing for structure and weather tightness is required.
- A thermal break with an R-value of not less than 0.25 is required where used with lightweight steel framing.
- Where the building has a building height greater than 10 m and the upper floors contain sleeping uses or other property, the specification of the external wall must be in accordance with the BS 8414 and BR 135 tested assembly.

Compliance with the New Zealand Building Code

Structures B1:

B1.3.1, B1.3.2, B1.3.3 (a, 1, h, j, q), B1.3.4

B2 Durability B2:

B2.3.1 (b), B2.3.2

Fire affecting areas beyond the fire source C3:

C3.5, C3.6, C3.7(a)

External Moisture E2:

E2.3.2, E2.3.5, E2.3.7

Hazardous Building Materials F2:

F3.2.1

Basis of Compliance

Structures B1:

B1.3.1, B1.3.2, B1.3.3 (a, 1, h, j, q), B1.3.4
Seismic tested in accordance with AS/NIS 4284:2008/10+1-5.5 kPa by IAN I accredited test facility [Facadelab, 20/07/2022].
ALICIAD structural span analysis.

B2 Durability B2:

B2.3.1 (b), B2.3.2

System componentry materials in accordance with Table 20 of Acceptable Solution E2/AS 1, section 4 NIS 3604:2011, and Table 1 of Acceptable Solution B2/AS 1. Expected life of maintained panels has an expected serviceable life greater than 15 years in Exposure Zones B, C and D (refer NIS 3604:2011) Please note: Beach front areas with rough seas and surf beaches may have a higher corrosivity and can be defined as category E of AS/NIS 2128 and 65 of IS 0 9223.

Fire affecting areas beyond the fire source C3:

C3.5, C3.6, C3.7(a)

Tested in accordance with BR 135 and BS 8414, classified as pass [BRANZ, 8/09/2022]. Tested in accordance with IS 0 5660-1:2015, achieved material group 1S [A W TA Product Testing, 31/03/2022]. Aluminium is deemed non-combustible

External Moisture E2:

E2.3.2, E2.3.5, E2.3.7

Tested in accordance with AS/NIS 4284:2008 by IAN 1 accredited test facility [facadelab, 20/07/2022; The Building Agency, 11/08/2022]. Refer to www.buildingagency.co.nz - Alternative Solution

Hazardous Building Materials F2:

F3.2.1

Refer to:

Aluminium is an inert metal - Alternative Solution

Relevant standards and references

Refer to:

- AS/NIS 4284:2008 [Facadelab, 20/07/2022 Test Report 22-07a 03/06/2022].
- NZS 3604:2011, Table 20 of Acceptable Solution E2/AS1, section 4, and Table 1 of Acceptable Solution B2/AS1
- BS8414-2:2015+A1:2017 BR 135 Third Edition Annex B 2013 (BRANZ Test Report FF 13923-02-1-61 17/06/2022)
- IS 05660.1-2015 Method of test for heat and smoke release (AW TA Test Report 22-000683 31/02/2022)
- Compliance Pathway V1R1 (Heco Design BAO 12231[A1.1] [v1.1] Mar. 2022)
- Powder coating care/maintenance and warranty information refer to www.duluxpowders.co.nz/ or www.specifyinterpon.co.nz/ or www.powdercoating.co.nz/metwood/

Design and Installation Requirements

- The below must be read in conjunction with the Design, Specification and Installation Guides. www.thebuildingagency.co.nz
- When used as an exterior rain screen or cladding, the building designer is responsible for the framing design including steel or timber strength and relevant treatment requirements. Refer to the Design, Specification and Installation Guides.
- The building must have a risk score of less than or equal to 20 when evaluated against the E2/AS1 risk matrix. Where the risk score exceeds 20, specific design and detailing for structure and weather tightness is required.
- Seismic tested in accordance with AS/ NIS 4284:2008 10 +/-5.5 kPa.
- The system must be installed with a flexible building wrap or rigid underlay that meets the requirements Table 23 of E2/AS1.
- Where the wind zone exceeds very high as defined in NIS 3604:2011 or 1.5 kPa, a rigid underlay must be installed.
- The aluminium joinery must comply with NIS 4211.
- Where fire resistance rating (FRR) with respect to a relevant boundary applies, the specification of the external wall must be in accordance with the BS 8414 and BR 135 tested assembly.
- Where the building has a building height greater than 10 m and the upper floors contain sleeping uses or other property, the specification of the external wall must be in accordance with the BS 8414 and BR 135 tested assembly.
- Where the external wall is within 1 m of the relevant boundary, the specification of the external wall must be in accordance with the BS 8414 and BR 135 tested assembly.
- Where adverse micro-climatic conditions apply (refer to paragraph 4.2.4 of NIS 3604:2011), contact The Building Agency for technical advice.
- Span tables, refer to the Heco Design Compliance Pathway V1R1(Heco Design BA012231[A1.1] [v1.1] Mar. 2022)
- The below must be read in conjunction with the Design, Specification and Installation Guides. www.thebuildingagency.co.nz
- The handling, installation, and the associated accessories must be in accordance with the Installation, Design, and Specification Guides in conjunction with the work safe guidelines refer to www.worksafe.govt.nz
- All components are supplied pre-finished and must be treated as such to avoid damage both prior to installation and during installation. The product must be inspected on delivery and any damage noted and reported immediately. Components should be stored in a dry environment and clear of high foot and vehicle traffic or where construction work may damage the product. The components should be stored off the floor or ground on level supports spaced at no more than 600mm apart. All exposed surfaces are covered in a protective plastic film to assist in protecting the finished product. The film should be left on for as long as practical during construction. Ideally when all on-site works are complete. In the case of two or more stories, the film should be removed as the scaffold is dismantled.
- Ensure that the primary structure complies with the Building Code or where the designer has established that the existing structure is suitable for the intended building work.
- Rigid Air Barriers are required for wind zones over Very High (50 M/sec. including situations that require Specific Engineered Design (SED) Rigid Air Barriers are commonly used in all wind zones to achieve the best performance and quicker close in.
- Rigid Air Barriers must meet the requirements of the NIB C Acceptable solutions E2/AS 1 Table 23 and be tested to the appropriate wind pressure zones.
- Fixings of sub-structure battens and cladding must adhere to E2/AS2 Tables 20, 21, and/or BRAN I BU519 for material compatibility and regional durability

selections. The minimum fastener durability requirement for fasteners is for 614 H DG.

- The system is suitable for most exposure zones as per NIS 3604 and NIBC Clause lones B and C in accordance with the specifications contained within this publication lone D and Micro-climates by consultation with The Building Agency.

Maintenance requirements

Coating refer to www.duluxpowders.co.nz/ & www.specifyinterpon.co.nz/ & www.powdercoating.co.nz/metwood/

The coated surfaces of all the components are hard wearing and durable but for best looks and durability the system needs a regular maintenance plan as detailed below but not limited to.

- Dirt - any accumulation of dirt should be washed from the surface of the panels as soon as possible
- Scratches and Dents - these need to be identified and the panels are removed and replaced.
- Surfaces should be washed at least once a year using a soft brush with water and mild detergent.
- Solvents or scouring cleaners should not be used.

Responsible Person

In accordance with Regulation 8 of the Building Product Information Requirements Regulations 2022, I confirm that the information contained in this BPIR has been prepared on reasonable grounds and is, to the best of my knowledge, accurate and not misleading.

I also confirm that ALPOLIC™ A1/NC is not subject to a ban or warning under section 26 of the Building Act 2004.

Signed for and on behalf The Building Agency Limited.

Darren Webster

Managing Director
The Building Agency Limited
May 2026