

EnduroClad plywood board

BPIR Declaration

Version: V1

Designated building product: Class 1

Declaration

Triclad Holdings Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	enduroclad plywood board
Line	Bandsawn Plywood sheet Board and Batten system opional sizes, 2440, 2745, 3000, 3300, 3600, 3900, 4200, 4500, 4800, 5100, 5400, 5700, 6000, 6300, 6600, 6900.
Identifier	Enduroclad

Description

. The Triclad EnduroClad™ Board and Batten cladding system is a cavity based or direct fixed plywood sheet wall cladding. It is designed to be used as an external cladding system for residential and light commercial type buildings where domestic construction techniques are used.

. The Triclad EnduroClad™ Board and Batten cladding system™ consists of Triclad EnduroClad™ Boards - plywood sheets with a bandsawn textured exterior surface overlaid with vertical timber battens at the joints and spaced throughout to simulate the look of traditional board and batten Triclad EnduroClad™ Boards can be installed as a direct fixed cladding system, or over cavity battens to form a drained and vented cavity. Triclad EnduroClad™ is available either un-primed or pre-primed, suitable for finishing with an exterior grade acrylic paint. Triclad EnduroClad™ can also be supplied with the first acrylic finishing coat of the selected colour applied.

Scope of use

Interstorey Junctions .Inter-storey drained joints must be provided to limit continuous cavities to the lesser of 2-storeys or 7 metres in height, in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Paragraph 9.1.9.4 (b).

Structure Wind Zones . The Triclad EnduroClad™ Board and Batten cladding system when installed over a drained cavity is suitable for use in all Wind Zones of NZS 3604 up to, and including, Extra High where buildings are designed to meet the requirements of NZBC Acceptable Solution E2/AS1, Paragraph 1.1.

. The Triclad EnduroClad™ Board and Batten cladding system when installed as a direct fixed cladding is suitable for use in all Wind Zones of NZS 3604 up to, and including, Very High where buildings are designed to meet the requirements of NZBC Acceptable Solution E2/AS1, Paragraph 1.1.

Conditions of use

Triclad EnduroClad can be only be used when installed:

In a Vertical orientation on vertical surfaces over a cavity or Direct Fix system

Triclad Enduroclad:

must be used with joinery meeting the requirements of NZS 4211 for the relevant wind zone design details must be in accordance with the Triclad Enduroclad Design Manual Available www.triclad.co.nz all installation must be done by a Licensed Building Practitioner (LBP) even if Restricted Building Work is not applicable under the Building Act 2004

Relevant building code clauses

B1 Structure – B1.3.1, B1.3.2, B1.3.3 (f, h, m), B1.3.4

B2 Durability – B2.3.1 (b)

C3 Fire affecting areas beyond the fire source – C3.5

E2 External moisture – E2.3.2, E2.3.5, E2.3.7

F2 Hazardous building materials – F2.3.1

Contributions to compliance

New Zealand Building Code (NZBC) . In the opinion of BRANZ, the Triclad EnduroClad™ Board and Batten cladding system, if designed, used, installed and maintained in accordance with the statements and conditions of this Appraisal, will meet the following provisions of the NZBC: Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2 and B1.3.4. The Triclad EnduroClad™ Board and Batten cladding system meets the requirements for loads arising from self-weight, wind, impact and creep [i.e. B1.3.3 (a), (h), (j) and (q)]. See Paragraphs 9.1 - 9.3. Clause B2 DURABILITY: Performance B2.3.1 (b), 15 years and B2.3.2. The Triclad EnduroClad™ Board and Batten cladding system meets these requirements. See Paragraphs 10.1 and 10.2. Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. The Triclad EnduroClad™ Board and Batten cladding system meets this requirement. See Paragraphs 14.1 - 14.5.

HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. The Triclad EnduroClad™ Board and Batten cladding system meets this requirement and will not present a health hazard to people. Control of External Fire Spread Vertical Fire Spread 12.1 This Appraisal only covers buildings 10 m or less in height. NZBC Functional Requirement C3.2 identifies that external vertical fire spread to upper floors only needs to be considered for buildings with a building height greater than 10 m. Control of external fire spread is therefore outside the scope of this Appraisal. Horizontal Fire Spread 12.2 The Triclad EnduroClad™ Board and Batten cladding system has not been assessed for a peak heat release or total heat released rating and therefore cannot be used within 1m of the relevant boundary or Risk Group SI Buildings. Refer to NZBC Acceptable Solutions C/AS1 and C/AS2 and Verification Method C/VM2 for fire resistance rating and control of external fire spread requirements for external walls. Prevention of Fire Occuring 13.1 Separation or protection must be provided to the Triclad EnduroClad™ Board and Batten cladding system from heat sources such as fireplaces, heating appliances, flues and chimneys. Part 7 of NZBC Acceptable Solutions C/AS1 - C/AS6 and NZBC Verification Method C/VM1 provide methods for separation and protection of combustible materials from heat sources.

Supporting documentation

The following additional documentation supports the above statements:

Enduroclad Branz appraisal

1063
(2019)

<https://www.triclad.co.nz/shop/product/348210/branz-appraisals/?variantId=875974>

Maintenance Warranty	10.12.2023	https://www.triclad.co.nz/shop/product/690790/warranties-and-maintenance-requirements/?variantId=3828893
Technical Drawings	10.12.2023	https://www.triclad.co.nz/shop/product/348227/enduroclad-board-amp-batten-detailed-drawings/?variantId=876002
Technical Specs	10.12.2023	https://www.triclad.co.nz/shop/product/348212/enduroclad-board-amp-batten-technical-specifications/?variantId=875976

For further information supporting enduroclad plywood board claims refer to our website.

Contact details

Manufacture location	New Zealand
Legal and trading name of manufacturer	Triclad Holdings Ltd
Manufacturer address for service	8 Quail place Hamilton 3204
Manufacturer website	www.triclad.co.nz
Manufacturer email	sales@triclad.co.nz
Manufacturer phone number	078232109
Manufacturer NZBN	9429030730908

Responsible person

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that enduroclad plywood board is not subject to a warning or ban under [s26 of the Building Act](#).

Signed for and on behalf of **Triclad Holdings Ltd**:

Paul McNally
Managing Director
December 2023

TRICLAD HOLDINGS LTD
8 Quail place Hamilton 3204 New Zealand
078232109 | www.triclad.co.nz

Appendix

Note: The below appendix includes information relating to BPIR Ready.

Publishing this information is not a requirement under BPIR. Its inclusion here is to provide a reference for how this BPIR summary was generated as well as to help summary creators understand the performance clauses suggested by BPIR Ready.

BPIR Ready selections

Category: Wall cladding – general

	Yes	No
Use closer than 1m to relevant boundary		x
Use on a wall greater than 3.5m high on a multi-level building	x	

Building code performance clauses

B1 Structure

B1.3.1

Buildings, building elements and *sitework* shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

B1.3.2

Buildings, building elements and *sitework* shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings, building elements* and *sitework*, including:

- (f) earthquake
- (h) wind
- (m) differential movement

B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the *building*,
- c. effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of *buildings*

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (b) 15 years if: those building elements (including the building envelope, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace, or failure of those building elements to comply with the building code would go undetected during normal use of the building, but would be easily detected during normal maintenance.

C3 Fire affecting areas beyond the fire source

C3.5

Buildings must be designed and constructed so that *fire* does not spread more than 3.5 m vertically from the *fire source* over the external cladding of multi-level *buildings*.

E2 External moisture

E2.3.2

Roofs and exterior walls must prevent the penetration of water that could cause undue dampness, damage to *building elements*, or both.

E2.3.5

Concealed spaces and cavities in buildings must be constructed in a way that prevents external moisture being accumulated or transferred and causing condensation, fungal growth, or the degradation of building elements.

E2.3.7

Building elements must be constructed in a way that makes due allowance for the following:

- a. the consequences of failure:
- b. the effects of uncertainties resulting from *construction* or from the sequence in which different aspects of *construction* occur:
- c. variation in the properties of materials and in the characteristics of the site.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.