



BRANZ Appraised
Appraisal No. 1063 [2019]

**TRICLAD
ENDUROCLAD™
BOARD AND BATTEN
CLADDING SYSTEM**

Appraisal No. 1063 [2019]



BRANZ Appraisals

Technical Assessments of
products for building and
construction.



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Product

- 1.1 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.
- 1.2 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 weatherboards. 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 finishing coat of the selected finishing system applied.

Scope

- 2.1 The Triclad EnduroClad™ Board and Batten cladding system has been Appraised as a direct fixed external wall cladding for buildings within the following scope:
 - The scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and,
 - With a risk score of 0-6, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and,
 - Situated in NZS3604 Wind Zones up to and including Very high.
- 2.2 The Triclad EnduroClad™ Board and Batten cladding system has also been Appraised as a cavity-based external wall cladding for buildings within the following scope:
 - The scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and,
 - With a risk score of 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and,
 - Situated in NZS3604 Wind Zones up to and including Extra high.
- 2.3 Triclad EnduroClad™ Board and Batten cladding system must only be installed vertically on vertical surfaces.
- 2.4 The Triclad EnduroClad™ Board and Batten cladding system is appraised for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills. [The Appraisal of Triclad EnduroClad™ Board and Batten cladding system relies on the joinery meeting the requirements of NZS 4211 for the relevant Wind Zone.]

Building Regulations

New Zealand Building Code (NZBC)

3.1 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.

Clause F2 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.

Technical Specification

4.1 System components and accessories supplied by Triclad are as follows:

- **Triclad EnduroClad™ Boards** – 12.5 mm S grade plywood sheets with a bandsawn exterior face and square edges to all sides. Triclad EnduroClad™ Boards are manufactured from radiata pine plywood sheet complying with AS/NZS 2269. Triclad EnduroClad™ Boards are preservative treated with a Light Organic Solvent Preservative (LOSP) to Hazard Class H3.1 in accordance with AS/NZS 1604.3. Triclad EnduroClad™ Boards comprise of segments of plywood, finger jointed to achieve various lengths. Triclad EnduroClad™ Boards are available either uncoated, or pre-primed. Triclad EnduroClad™ Boards are 1198 mm wide and available in the following lengths: 2440, 2745, 3000, 3300, 3600, 3900, 4200, 4500, 4800, 5100, 5400, 5700, 6000. Other sizes can be made available on request. Triclad EnduroClad™ Boards can also be supplied with the first finishing coat of the selected finishing system factory applied, ready for the final topcoat once installed.
- **Triclad EnduroClad™ Battens** – 19 mm thick by 40, 65 or 90 mm wide H3.1 radiata pine battens bandsawn on all visible sides with two 6x6 mm weather grooves on the back face.
- **Scriber** – 19 mm wide by 40 mm deep H3.1 radiata pine scribers with bandsawn exterior face to match Triclad EnduroClad™ Boards in random lengths.
- **Internal Corner bead** – 32 mm square H3.1 radiata pine corner bead in 5.5 m lengths.
- **Cavity Battens** – H3.1 radiata pine battens, complying with clause 9.1.8.4 of NZBC Acceptable Solution E2/AS1.

Accessories

4.2 Accessories used with the Triclad EnduroClad™ Board and Batten cladding system which are supplied by the building contractor are:

- **Flexible wall underlay** – synthetic wall underlay complying with NZBC Acceptable E2/AS1, Table 23, or breather-type membranes covered by a valid BRANZ Appraisal or CodeMark for use as wall underlays. [Note: Bitumen based products shall not be permitted to come into direct contact with Triclad EnduroClad™ Boards, or other LOSP treated elements.]
- **Rigid wall underlay** – Plywood or fibre cement sheet, complying with NZBC Acceptable Solution E2/AS1, Table 23, or proprietary products covered by a valid BRANZ Appraisal for use as a Rigid Wall Underlay.
- **Flexible sill and jamb flashing tape** – flexible flashing tapes complying with NZBC Acceptable Solution E2/AS1 Paragraph 4.3.11, or flexible flashing tapes covered by a valid BRANZ Appraisal for use around window and door joinery openings. [Note: Bitumen based products shall not be permitted to come into direct contact with Triclad EnduroClad™ Boards, or other LOSP treated elements.]

- **Cavity Battens** – complying with clause 9.1.8.4 of NZBC Acceptable Solution E2/AS1.
- **Sill Trays** – complying with the requirements of figure 72a of NZBC Acceptable Solution E2/AS1.
- **Triclad EnduroClad™ Board and Batten fixings** –nails as listed in table 1 with appropriate corrosion protection.

Table 1: Triclad EnduroClad™ Board and Batten fixing selection:

Cladding System	EnduroClad™ Board fixings	EnduroClad™ Batten fixings
EnduroClad™ Board and Batten - Direct fixed	50x 2.8 mm FH nails ₂ @ 150 mm crs to sheet edges, 300 crs to middle	65x 3.2 mm RH annular grooved nails @ 300 mm crs to centre of batten
EnduroClad™ Board and Batten - Cavity ₁	60x 2.8 mm FH nails ₂ @ 150 mm crs to sheet edges, 300 crs to middle	60x 2.8 mm JH nails ₂ @ 300 mm crs to centre of batten

Notes:

1. Nail lengths are designed for minimum penetration of framing. If thickness of cavity battens, cladding or underlay is varied, length shall be adjusted accordingly.
2. Stainless steel nails where used, shall have annular grooves to provide similar withdrawal resistance to hot-dip galvanised nails.

Legend:

RH: rose head, JH: jolt head, FH: flat head.

- **Brush or spray on timber preservative** – brush or spray on timber preservatives as listed in the technical literature for Triclad EnduroClad™ Board and Batten cladding system.
 - **Flexible wall underlay support** – 19 mm wide polypropylene tape to support flexible underlay between studs.
 - **Window and door trim cavity air seal** – air seals complying with NZBC Acceptable Solution E2/AS1, Paragraph 9.1.6, or self-expanding, moisture cure polyurethane foam air seals covered by a valid BRANZ Appraisal suitable for use around window, door and other wall penetration openings.
 - **Flexible Sealant** – sealant complying with NZBC Acceptable Solution E2/AS1, or sealant covered by a valid BRANZ Appraisal for use as a weather sealing sealant for exterior use.
 - **Aluminium joinery head flashings** – as supplied by the joinery manufacturer or contractor.
 - **Cavity closure** – closure with upstands to comply with NZBC E2/AS1 clause 9.1.8.3.
 - **Internal Corner W flashings** – aluminium 90° internal W flashing with 50 mm minimum cover.
- Scribers – timber treated to Hazard Class H3.1.

Finishing System Specification

- 4.3 Paint systems, where elected to be applied by Triclad Holdings Limited are selected in consultation with the designer and building contractor. Finishing systems applied by Triclad Holdings Limited have not been assessed and are outside the scope of this Appraisal.
- 4.4 All exposed faces, including top edges at sills and bottom edges of Triclad EnduroClad™ Boards, trim and accessories must be finished with an acrylic exterior paint system complying with any of Parts 7,8,9 or 10 of AS 3730 to protect the Triclad EnduroClad™ Boards and give the desired finish colour to the exterior walls.
- 4.5 All cut edges of Triclad EnduroClad™ Boards are to be sealed on site with a brush or spray on timber preservative suitable for use with the selected proprietary acrylic paint system as listed in the Technical Literature for Triclad EnduroClad™ Board and Batten cladding system.

Handling and Storage

- 5.1 Handling and storage of all materials supplied by Triclad Holdings Limited or the contractor, whether on or off site, is under the control of the building contractor. Triclad EnduroClad™ Boards are packed on pallets, they must be kept dry during transport. The boards must be horizontally stacked on a flat surface and must always be sufficiently supported so that they do not sag. They must be kept dry at all time either by storing under cover or providing water covers to the stack, so they are stored in a dry ventilated space. EnduroClad™ Boards must always be lifted from a stack by two people and then be carried on edge.
- 5.2 Accessories must be stored so they are kept clean, dry and undamaged. All accessories must be used within the maximum storage period recommended by the manufacturer.

Technical Literature

- 6.1 Refer to the Appraisal listing on the BRANZ website for details of the current Technical Literature for the Triclad EnduroClad™ Board and Batten cladding system. The Technical Literature must be read in conjunction with this Appraisal. All aspects of design, use, installation and maintenance contained in the Technical Literature and within the scope of this Appraisal must be followed.

Design Information

Timber Treatment

- 7.1 Timber wall framing behind the Triclad EnduroClad™ Board and Batten cladding system must be treated as required by NZBC Acceptable Solution B2/AS1.

Timber Framing

- 7.2 Timber framing must comply with NZS 3604 for buildings or parts of a building within the scope limitations of NZS 3604. Buildings or parts of buildings outside the scope of NZS 3604 must be to a specific design in accordance with NZS 3603 and AS/NZS 1170. Where specific design is required, the framing must be of at least equivalent stiffness to the framing provisions of NZS 3604. In all cases, studs shall be at a maximum of 600 mm centres.
- 7.3 Timber framing must have a maximum moisture content of 24% at the time of the cladding application. [If claddings are fixed to framing with an excessive moisture content, problems may occur at a later date due to excessive timber shrinkage.]

General

- 8.1 Triclad EnduroClad™ Boards are available in a variety of sheet lengths to readily accommodate installations up to 6 m in height without a need for a horizontal junction between sheets.
- 8.2 At ground level, the bottom edge of Triclad EnduroClad™ Boards must be kept clear of paved surfaces, such as footpaths, by a minimum of 100 mm and unpaved surfaces by 175 mm in accordance with NZBC Acceptable Solution E2/AS1, Table 18. The ground clearances to finished floor levels as set out in NZS 3604 must be adhered to.
- 8.3 At balcony, deck or low pitch roof/wall junctions, the bottom edge of Triclad EnduroClad™ Boards must be kept clear of any adjacent surface, or above the top surface of any adjacent roof flashing by a minimum of 35 mm.
- 8.4 All external walls of buildings must have barriers to airflow in the form of interior linings with all joints stopped for wind zones up to and including Very High, and rigid underlays for buildings in the Extra High wind zone. Unlined gables and walls must incorporate a rigid wall underlay or an air barrier which meets the requirements of NZBC Acceptable Solution E2/AS1, Table 23. For attached garages, wall underlays must be selected in accordance with NZBC Acceptable Solution E2/AS1, Paragraph 9.1.3.4.
- 8.5 Where cladding penetrations are wider than the cavity batten spacing, allowance must be made for airflow between adjacent cavities by leaving a minimum gap of 10 mm between the bottom of the vertical cavity batten and the flashing to the opening.

- 8.6 Where the system abuts other cladding systems, designers must detail the junction to meet their own requirements and the performance requirements of the NZBC. Details not included within the Technical Literature have not been assessed and are outside the scope of this Appraisal.

Interstorey Junctions

- 8.7 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

- 9.1 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.
- 9.2 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.

Durability

- 10.1 The Triclad EnduroClad™ Board and Batten cladding system meets the performance requirements of NZBC Clause B2.3.1 [b], 15 years for the Triclad EnduroClad™ Boards and flashings, and the performance requirements of NZBC Clause B2.3.1 [c], 5 years for the exterior paint system.

Serviceable Life

- 10.2 Triclad EnduroClad™ Board and Batten cladding system installations are expected to have a serviceable life of at least 15 years provided that they are maintained in accordance with the Appraisal and the Technical Literature. [Note: This opinion only relates to serviceability with regards to structural and weathertightness performance. It does not cover appearance, which may deteriorate significantly, especially when proper and regular maintenance is not carried out.]
- 10.3 Coastal locations can be very corrosive to fasteners, especially locations within 500 m from the sea, including harbours, or 100 m from tidal estuaries and sheltered inlets, and otherwise as shown in NZS 3604, Figure 4.2. These coastal locations are defined in NZS 3604 as Zone D. It is recommended that Triclad EnduroClad™ Boards be fixed with stainless steel or silicone bronze fasteners in these situations.

Maintenance

- 11.1 Regular maintenance is essential for the Triclad EnduroClad™ Board and Batten cladding system to continue to meet the NZBC durability performance provision and to maximise the serviceable life.
- 11.2 Annual inspections must be made to ensure that all aspects of the cladding system, including applied finishing systems, flashings and any sealed joints remain in a weatherproof condition. Any damaged areas or areas showing signs of deterioration which would allow water ingress must be repaired immediately. Sealant and paint coatings must be repaired in accordance with the sealant or paint coating manufacturer's instructions.
- 11.3 All exterior surfaces require an annual clean, a thorough soft wash with soapy water. Caustic based preparations should not be used. Paint systems must be recoated at approximately 5-7 yearly intervals in accordance with the paint manufacturer's instructions.
- 11.4 Minimum ground clearances as set out in this Appraisal must be maintained at all times during the life of the cladding. [Failure to adhere to the minimum ground clearances given in this Appraisal and the Technical Literature may adversely affect the long-term durability of the Triclad EnduroClad™ Board and Batten cladding system.]

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.

External Moisture

- 14.1 The Triclad EnduroClad™ Board and Batten cladding system, when installed in accordance with this Appraisal and the Technical Literature will prevent the penetration of moisture that could cause undue dampness or damage to building elements.
- 14.2 The cavity must be sealed off from the roof and sub-floor space to meet code compliance with Clause E2.3.5.
- 14.3 The Triclad EnduroClad™ Board and Batten cladding system allows excess moisture present at the completion of construction to be dissipated without permanent damage to building elements to meet code compliance with Clause E2.3.6.
- 14.4 The details given in the Technical Literature for weather sealing are based on the weathertightness design principles outlined in NZBC Acceptable Solution E2/AS1. The ingress of moisture must be excluded by detailing joinery and wall interfaces as shown in the Technical Literature and the relevant provisions of E2/AS1. Weathertightness details that are developed by the designer are outside the scope of this Appraisal and are the responsibility of the designer for compliance with the NZBC.
- 14.5 Where a designed cavity drainage path is used in conjunction with The Triclad EnduroClad™ Board and Batten cladding system, it does not reduce the requirements for junctions, penetrations, etc. to remain weather resistant.

Installation Information

Installation Skill Level Requirements

- 15.1 Installation and finishing of the Triclad EnduroClad™ Board and Batten cladding system must be completed by, or under the supervision of a Licensed Building Practitioner with the relevant License Class, in accordance with instructions given within the Triclad EnduroClad™ Board and Batten cladding system Technical Literature and this Appraisal.

System Installation

Building Underlay and Flexible Sill and Jamb Tape Installation

- 16.1 Flexible underlay or rigid wall underlays and flexible sill and jamb tape systems must be installed by the building contractor in accordance with the underlay and tape manufacturer's instructions and NZBC Acceptable Solution E2/AS1 prior to the installation of the rest of the Triclad EnduroClad™ Board and Batten cladding system. Particular attention must be paid to the installation of the building underlay and sill and jamb tapes around window and door openings to ensure a continuous seal is achieved and all exposed wall framing in the opening is protected. [Note: Bitumen based underlays and tapes shall not be permitted to come into direct contact with Triclad EnduroClad™ Boards, or other LOSP treated elements.]
- 16.2 In cavity installations and where studs are at greater than 450 mm centres, flexible wall underlays are used, an intermediate means of restraining the flexible wall underlay and insulation from bulging into the drained cavity shall be installed. Acceptable means of achieving this are by using flexible wall underlay support as specified in paragraph 4.2 of this Appraisal, or, vertical cavity battens at 300 mm maximum centres.

Cavity Battens

- 16.3 Cavity battens must be installed over the building underlay and to the wall framing at the same spacing as the wall studs. Cavity battens are fixed to the wall frame by the cladding fixings. As a result, there are no specific fixing requirements for the cavity battens.

Triclad EnduroClad Board and Batten cladding system Installation - Cavity and Direct Fixed

- 16.4 Prior to installing cladding, ensure all pipes and penetrations have been sealed as per E2/AS1, clause 9.1.9.3.
- 16.5 Cavity battens and cavity closers (when applicable) shall be installed in accordance with the technical literature and E2/AS1.
- 16.6 Before the EnduroClad™ Boards are installed, the sheet set out must be checked and the internal and external corners prepared to suit the selected design option - e.g. external box corners or corner soakers. The necessary flashings, including window flashings, must be installed before commencing with sheet fixing.
- 16.7 EnduroClad™ Board must be dry prior to installation. Excessive moisture content within the sheets may affect the overall finish and aesthetic of the cladding system.
- 16.8 The Triclad EnduroClad™ Board and Batten cladding system must be installed whilst ensuring alignment at the base of the cladding - ensuring the bottom edge of the EnduroClad™ Board overhangs the bottom plate or bearer by a minimum of 50 mm.
- 16.9 Triclad EnduroClad™ Boards may be cut on site using power tools suitable for cutting plywood. Holes and cut-outs may be formed by using a hole saw. All cut edges are to be sealed with a brush on timber preservative suitable for use with the selected proprietary acrylic paint system.
- 16.10 Vertical sheet joints in Triclad EnduroClad™ must be made over solid support - either cavity battens in the case of a cavity installation, or over studs or vertical blocking within the wall frame in direct fixed installations. EnduroClad™ Board fixings must be installed as shown in the technical literature with regard to position from the board edge and installation angle. All vertical joints shall be overlaid with a timber batten in accordance with the details contained in the technical literature.
- 16.11 Triclad EnduroClad™ Boards shall be fixed using nails in accordance with the technical literature and table 1 of this Appraisal. Consideration shall be given to the type of installation (direct fixed / cavity) and any requirements for corrosion resistance. In cases where a rigid wall underlay is used, cladding fixings shall be increased in length by at least the thickness of the rigid wall underlay to ensure the fixing performance is not compromised.

Aluminium Joinery Installation

- 16.12 Aluminium joinery and associated head and sill flashings and joinery support bars must be installed by the building contractor in accordance with the Technical Literature. A 7.5 mm nominal gap must be left between the joinery reveal and the wall framing so a PEF rod and air seal can be installed after the joinery has been secured in place.

- 16.13 After installing the window and door joinery, trim profiles such as planted sills and scribes may be installed in accordance with the Technical Literature to provide additional weatherproofing for the joinery/ cladding junction.

Inspections

- 16.14 The Technical Literature must be referred to during the inspection of Triclad EnduroClad™ Board and Batten cladding system Installations.

Finishing

- 16.15 The finish coating manufacturer's instructions must be followed at all times for application of the paint finish. Triclad EnduroClad™ Boards and trim must be clean and dry before commencing painting.

Health and Safety

- 17.1 Cutting of Triclad EnduroClad™ Boards must be carried out in well ventilated areas, and a dust mask and eye protection must be worn.
- 17.2 When power tools are used for cutting or forming holes, health and safety measures as set out in the Technical Literature must be observed.
- 17.3 Safe use and handling procedures for Triclad EnduroClad™ Boards and the components that make up the cladding system are provided in the relevant manufacturer's Technical Literature.

Basis of Appraisal

The following is a summary of the technical investigations carried out:

Other Investigations

- 18.1 Expert judgements for structural performance and weathertightness of the Triclad EnduroClad™ Board and Batten cladding system have been provided by BRANZ technical experts.
- 18.2 Site visits have been carried out by BRANZ to assess the practicability of installation, and to examine completed installations.

Quality

- 19.1 The manufacture of Triclad EnduroClad™ Boards has been examined by BRANZ, including methods adopted for quality control. Details regarding the quality of materials used and finished product was obtained by BRANZ and found to be satisfactory.
- 19.2 The manufacturer's Technical Literature has been examined by BRANZ and found to be satisfactory.
- 19.3 The quality of components and accessories supplied by Triclad Holdings Limited is the responsibility of Triclad Holdings Limited.
- 19.4 Quality on site is the responsibility of the installer in accordance with the Triclad EnduroClad™ Board and Batten cladding system technical literature.
- 19.5 Designers are responsible for the building design, and building contractors are responsible for the quality of installation of the building underlay, cavity battens, Triclad EnduroClad™ Boards and accessories in accordance with the instructions of Triclad Holdings Limited.
- 19.6 Sub trades are responsible for the installation of penetrations, flashing etc that are relevant to their trade in accordance with the Triclad EnduroClad™ Board and Batten cladding system Technical Literature.
- 19.7 Building owners are responsible for the maintenance of the Triclad EnduroClad™ Board and Batten cladding system in accordance with the instructions of Triclad Holdings Limited.

Sources of Information

- AS 3730 Guide to the properties of paints for buildings.
- NZS 3602: 2003 Timber and wood-based products for use in building.
- NZS 3604: 2011 Timber framed buildings.
- NZS 4211: 2008 Specification for performance of windows.
- Ministry of Business, Innovation and Employment Record of amendments - Acceptable Solutions, Verification Methods and handbooks.
- The Building Regulations 1992.



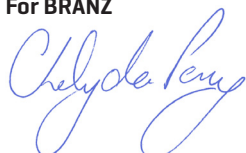
In the opinion of BRANZ, **Triclad EnduroClad™ Board and Batten Cladding System** is fit for purpose and will comply with the Building Code to the extent specified in this Appraisal provided it is used, designed, installed and maintained as set out in this Appraisal.

The Appraisal is issued only to , and is valid until further notice, subject to the Conditions of Appraisal.

Conditions of Appraisal

1. This Appraisal:
 - a) relates only to the product as described herein;
 - b) must be read, considered and used in full together with the Technical Literature;
 - c) does not address any Legislation, Regulations, Codes or Standards, not specifically named herein;
 - d) is copyright of BRANZ.
2. **Triclad Cladding Systems:**
 - a) continues to have the product reviewed by BRANZ;
 - b) shall notify BRANZ of any changes in product specification or quality assurance measures prior to the product being marketed;
 - c) abides by the BRANZ Appraisals Services Terms and Conditions.
 - d) Warrants that the product and the manufacturing process for the product are maintained at or above the standards, levels and quality assessed and found satisfactory by BRANZ pursuant to BRANZ's Appraisal of the product.
3. BRANZ makes no representation or warranty as to:
 - a) the nature of individual examples of, batches of, or individual installations of the product, including methods and workmanship;
 - b) the presence or absence of any patent or similar rights subsisting in the product or any other product;
 - c) any guarantee or warranty offered by **Triclad Cladding Systems**.
4. Any reference in this Appraisal to any other publication shall be read as a reference to the version of the publication specified in this Appraisal.
5. BRANZ provides no certification, guarantee, indemnity or warranty, to **Triclad Cladding Systems** or any third party.

For BRANZ



Chelydra Percy

Chief Executive

Date of Issue:

13 December 2019