



BRANZ Appraised
Appraisal No. 1062 [2020]

TRICLAD LAPPED WEATHERBOARD CLADDING SYSTEM

Appraisal No. 1062 [2020]



BRANZ Appraisals

Technical Assessments of
products for building and
construction.



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Product

- 1.1 The Triclad Lapped Weatherboard Cladding System is a cavity-based or direct fixed plywood weatherboard 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 Lapped Weatherboard Cladding System consists of Triclad weatherboards, which are installed horizontally and simulate the look of traditional bevel-backed weatherboards with a bandsawn textured exterior surface. Triclad weatherboards can be installed as a direct fixed cladding system, or over cavity battens to form a drained and vented cavity. Triclad weatherboards are available either un-primed or pre-primed, suitable for finishing with an exterior grade acrylic paint. Triclad weatherboards can also be supplied with the first finishing coat of the selected finishing system applied.

Scope

- 2.1 The Triclad Lapped Weatherboard 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 NZS 3604 Wind Zones up to, and including, Very High.
- 2.2 The Triclad Lapped Weatherboard 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 NZS 3604 Wind Zones up to, and including, Extra High.
- 2.3 The Triclad Lapped Weatherboard Cladding System must only be installed horizontally on vertical surfaces.
- 2.4 The Triclad Lapped Weatherboard Cladding System is appraised for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills. *[Note: The Appraisal of Triclad Lapped Weatherboard 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 Lapped Weatherboard 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 Lapped Weatherboard 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 9.1-9.2.

Clause B2 DURABILITY: Performance B2.3.1 (b), 15 years and B2.3.2. The Triclad Lapped Weatherboard Cladding System meets these requirements. See Paragraphs 10.1-10.3.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. The Triclad Lapped Weatherboard Cladding System meets this requirement. See Paragraphs 14.1-14.5.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. The Triclad Lapped Weatherboard 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 Holdings Limited are as follows:

- **Triclad weatherboards** - non-bevel-backed horizontal weatherboards with 6 x 6 mm weathergrooves to the back face and a chamfered lower leading edge. Triclad weatherboards are manufactured from radiata pine plywood sheet complying with AS/NZS 2269. Triclad weatherboards are preservative treated with a Light Organic Solvent Preservative (LOSP) to Hazard Class H3.1 in accordance with AS/NZS 1604.3. Triclad weatherboards comprise segments of plywood, finger jointed to achieve 4.8 m board lengths. Triclad weatherboards are available either uncoated, or pre-primed in sizes as stated in Table 1. Triclad weatherboards can also be supplied with the first finishing coat of the selected finishing system factory applied, ready for the final topcoat once installed.

Table 1: Weatherboard Sizes:

Thickness [mm]	Weatherboard width [mm]				
	145	190	230	260	295
12.5	✓	✓	✓		
17.5	✓	✓	✓	✓	✓

- **Scriber** - 19 mm wide by 40 mm deep H3.1 radiata pine scribers with bandsawn exterior face to match Triclad weatherboards 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 NZBC Acceptable Solution E2/AS1 Clause 9.1.8.4.
- **Weatherboard soakers** - metallic corner and flat soakers in sizes to suit Triclad weatherboards, complying with NZBC Acceptable Solution E2/AS1 Clause 4.3 and Figure 77.



Accessories

4.2 Accessories used with the Triclad Lapped Weatherboard 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 weatherboards, 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 weatherboards, or other LOSP treated elements.]
- **Cavity battens** – complying with NZBC Acceptable Solution E2/AS1 Clause 9.1.8.4.
- **Sill trays** – complying with the requirements of NZBC Acceptable Solution E2/AS1 Figure 72A.
- **Triclad weatherboard fixings** – flathead nails with sizes and appropriate corrosion protection as listed in Table 2.

Table 2: Triclad Lapped Weatherboard fixing selection:

Cladding System	Weatherboard fixings		Minimum framing penetration
	12.5 mm Weatherboard	17.5 mm Weatherboard	
Triclad Lapped Weatherboard- Direct Fixed	60 x 2.8 mm FH nails ²	70 x 3.15 mm FH nails ²	35 mm
Triclad Lapped Weatherboard - Cavity ¹	90 x 3.55 mm FH nails ²	90 x 3.55 mm FH nails ²	

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: FH: Flathead.

- **Brush or spray-on timber preservative** – brush or spray-on timber preservatives as listed in the Technical Literature for Triclad Lapped Weatherboard 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.
- **Soakers** – corner or flat soakers complying with NZBC Acceptable Solution E2/AS1 Clauses 4.3.2 to 4.3.8.
- **Scribers** – timber treated to Hazard Class H3.1 cut to suit the finished weatherboard profile.



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 weatherboards, trim and accessories must be finished with a latex exterior paint system complying with any of Parts 7,8,9 or 10 of AS 3730 to protect the Triclad weatherboards and give the desired finish colour to the exterior walls. *[Note: For Triclad weatherboards, it is recommended that paints be used that have a Light Reflectance Value [LRV] of greater than 40%. Dark finishing systems are likely to require additional maintenance throughout the life of the cladding system and exacerbate the effects of sunlight on the exterior surface.]*
- 4.5 All cut edges of Triclad weatherboards 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 Lapped Weatherboard Cladding System.

Handling and Storage

- 5.1 Handling and storage of all materials supplied by Triclad Holdings Limited or the contractor, whether on-site or off-site, is under the control of the building contractor. Triclad weatherboards are packed on pallets and must be kept dry during transport. The weatherboards 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. The weatherboards 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 Lapped Weatherboard 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 Lapped Weatherboard 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. *[Note: If cladding is fixed to framing with an excessive moisture content, problems may occur at a later date due to excessive timber shrinkage.]*



General

- 8.1 Triclad weatherboards are available in a variety of board widths and two thicknesses which allow for a variety of aesthetic variances in the completed installation.
- 8.2 Where possible, window and door joinery units should be located so as near to a full board as possible will finish under and over windows and doors and at the top of the wall. Depending on the size of the joinery unit and the weatherboard set out, a horizontal batten may be required to close openings that may occur between the weatherboard and the joinery sill flange.
- 8.3 At ground level, the bottom edge of Triclad weatherboards 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.
- 8.4 At balcony, deck or low pitch roof/wall junctions, the bottom edge of Triclad weatherboards must be kept clear of any adjacent surface, or above the top surface of any adjacent roof flashing by a minimum of 35 mm.
- 8.5 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.
- 8.6 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.
- 8.7 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

- 8.8 Inter-storey drained joints must be provided to limit continuous cavities to the lesser of 2-storeys or 7 m 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 Lapped Weatherboard 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 Lapped Weatherboard 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 Lapped Weatherboard Cladding System meets the performance requirements of NZBC Clause B2.3.1 (b), 15 years for the Triclad weatherboards 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 Lapped Weatherboard Cladding System installations are expected to have a serviceable life of at least 15 years provided that they are maintained in accordance with this 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 weatherboards be fixed with stainless steel or silicone bronze fasteners in these situations.

Maintenance

- 11.1 Regular maintenance is essential for the Triclad Lapped Weatherboard 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 re-coated 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. *[Note: 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 Lapped Weatherboard 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 be considered for buildings with a building height greater than 10 m. Control of external vertical fire spread is therefore outside the scope of this Appraisal.

Horizontal Fire Spread

- 12.2 The Triclad Lapped Weatherboard Cladding System has not been assessed for a peak heat release or total heat released rating and therefore cannot be used within 1 m of the relevant boundary or Risk Group SI Buildings.
- 12.3 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 Occurring

- 13.1 Separation or protection must be provided to the Triclad Lapped Weatherboard Cladding System from heat sources such as fireplaces, heating appliances, flues and chimneys. Part 7 of NZBC Acceptable Solutions C/AS1 and C/AS2, and NZBC Verification Method C/VM1 provide methods for separation and protection of combustible materials from heat sources.



External Moisture

- 14.1 The Triclad Lapped Weatherboard 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 NZBC Clause E2.3.5.
- 14.3 The Triclad Lapped Weatherboard 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 NZBC 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 Lapped Weatherboard Cladding System, it does not reduce the requirements for junctions, penetrations, etc. to remain weather resistant.

Installation Information

Installation Skill Level Requirements

- 15.1 All design and building work must be carried out in accordance with the Triclad Lapped Weatherboard Cladding System Technical Literature and this Appraisal by competent and experienced tradespersons conversant with the Triclad Lapped Weatherboard Cladding System. Where the work involves Restricted Building Work [RBW] this must be completed by, or under the supervision of, a Licensed Building Practitioner [LBP] with the relevant License class.

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 Lapped Weatherboard 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 weatherboards, or other LOSP treated elements.]*
- 16.2 In cavity installations, where studs are at greater than 450 mm centres and 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 weatherboard fixings. As a result, there are no specific fixing requirements for the cavity battens.

Triclad Lapped Weatherboard Cladding System Installation – Cavity and Direct Fixed

- 16.4 Prior to installing cladding, ensure all pipes and penetrations have been sealed as per NZBC Acceptable Solution 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 NZBC Acceptable Solution E2/AS1.
- 16.6 Before the weatherboards are installed, the weatherboard 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 weatherboard fixing.
- 16.7 Weatherboards must be dry prior to installation. Excessive moisture content within the weatherboards may affect the overall finish and aesthetic of the cladding system.
- 16.8 The Triclad Lapped Weatherboard Cladding System must be installed starting at the bottom of the wall. A treated timber cant strip must be fixed behind the bottom course of weatherboards to ensure the weatherboards are set at the correct angle. The cant strip must be continuous around the perimeter of the building. The bottom course of weatherboards must overhang the bottom plate or bearer by a minimum of 50 mm.
- 16.9 Triclad weatherboards 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 End joints in Triclad weatherboards 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. In both instances, the nail fixing locations relative to the joint necessitate the support of double width cavity battens, or double studs where direct fixed. All end joints shall be overflashed with a flat soaker flashing in accordance with the details contained in the Technical Literature.
- 16.11 Triclad weatherboards shall be lapped by 32 mm and should be set out so as near to a full board as possible will finish under and over windows and doors and at the top of the wall. The use of a storey rod is recommended to keep all laps and cover consistent throughout.
- 16.12 Triclad weatherboards 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 or cavity) and any requirements for corrosion resistance. In cases where a rigid wall underlay is used, weatherboard fixings shall be increased in length by at least the thickness of the rigid wall underlay to ensure the fixing performance is not compromised. Triclad weatherboard fixings shall be located 10 mm above the top edge of the lower board as detailed in the Technical Literature to accommodate in-service thermal movement.

Aluminium Joinery Installation

- 16.13 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.
- 16.14 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/weatherboard junction.

Inspections

- 16.15 The Technical Literature must be referred to during the inspection of Triclad Lapped Weatherboard Cladding System installations.

Finishing

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



Health and Safety

- 17.1 Cutting of Triclad weatherboards 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 weatherboards 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:

Investigations

- 18.1 Expert judgements for structural performance and weathertightness of the Triclad Lapped Weatherboard Cladding System have been provided by BRANZ technical experts.
- 18.2 Site inspections have been carried out by BRANZ to assess the practicability of installation, and to examine completed installations.

Quality

- 19.1 The manufacture of Triclad weatherboards 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 Lapped Weatherboard 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 weatherboards 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 Lapped Weatherboard Cladding System Technical Literature.
- 19.7 Building owners are responsible for the maintenance of the Triclad Lapped Weatherboard 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.



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TRICLAD LAPPED
WEATHERBOARD CLADDING
SYSTEM



In the opinion of BRANZ, **Triclad Lapped Weatherboard 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 **Triclad Holdings Limited**, 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 Holdings Limited:**
 - 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 Holdings Limited**.
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 Holdings Limited** or any third party.

For BRANZ

Chelydra Percy

Chief Executive

Date of Issue:

28 July 2020