

BUILDING PRODUCT INFORMATION SHEET

CLASS 1 – October 2025

Product Name: bbi AraucoPly® Structural Plywood

Product Description and Intended Use:

AraucoPly Structural Plywood is a structural plywood product designed for general or specific design use for both residential and commercial buildings and applications.

AraucoPly structural plywood is a wood veneer-based product, manufactured and tested to meet all requirements of Plywood Structural Standard AS/NZS 2269 which gives the assurance of the structural integrity that this product is designed for use in New Zealand.

The ply veneers in the plywood product are produced from PEFC (Programme for the Endorsement of Forest Certification) and FSC (Forrest Stewardship Council) certified sustainable Radiata Pine plantations, that are then bonded together with a WBP A-Bond glue forming a durable and strong plywood product. AraucoPly is certified A bond using an exterior Phenol-Formaldehyde resin, with emission class E0 in accordance with AS/NZS 2098.11.

Available in a range of nominal thicknesses, with a CD or DD grade surface face and typically in F8/- stress grading. AraucoPly Structural Plywood is available untreated, or envelope treated in H3.2 CCA or H3.2 MCA preservative treatment in accordance with NZS1604.1:2021.

Product Identifier:

AraucoPly PlyFloor can be identified by the markings on the sheets. The sheets are marked in accordance with AS/NZS 2269 and includes the brand name Maderas Arauco, Product of Chile. An example of an untreated structural plywood sheet below.

Company Name: PANELES ARAUCO
Mill: e.g. PLANTA TERCiado ARAUCO
Country: CHILE
License: e.g. Lic. SMKB 21663/1
Certification Body: SAI GLOBAL
Intended Application: e.g. STRUCTURAL
Standard: AS/NZS2269.0
Face Grade: e.g. CD
Glue Bond: e.g. A BOND-
Formaldehyde Emission Class: e.g. Super E0
Stress Grade Parallel/ Perpendicular: e.g. F8/- or F11/-
Panel Construction Code: e.g. 19/24/7 (Thickness [mm] - Face Veneer Thickness [mm x10] - Number of Veneers) NOTE: Some cases the Panel construction code may be replaced by Section Properties.

Place of Manufacture: Chile (Overseas)

Legal and Trading Name of Manufacturer: Maderas Arauco S.A.

Address for Service:

Level 6, 90 Mount Street
North Sydney, NSW 2060
Australia

Website: www.arauco.cl

Email Address: araucoaustralia@arauco.cl

Legal and Trading Name of Importer: bbi Wood Products Ltd

New Zealand Business Number (NZBN): 9429033930442

Address for Service:

27 Poporo Way, Longlands,
Hastings,
New Zealand

Website: www.bbi.net.nz

Email Address: sales@bbi.net.nz

Phone Number: 0800 224 759

Relevant New Zealand Building Code Clauses:

- Clause B1 Structure: Performance: B1.3.1, B1.3.2, B1.3.3(a,b,c,f,h,l,j,q), B1.3.4(d)
- Clause B2 Durability Performance: B2.3.1(a), B2.3.2
- Clause E2 External Moisture Performance: E2.3.3, E2.3.4, E2.3.5
- Clause F2 Hazardous Building Materials Performance: F2.3.1

Statement on how the building product is expected to contribute to compliance:

AraucoPly Structural Plywood may be used in general or specific design applications. AraucoPly has been manufactured in accordance with AS/NZS 2269 and assists in meeting the following provisions of the New Zealand Building Code:

Clause B1 Structure: Performance B1.3.1 , B1.3.2, B1.3.3, B1.3.4:

AraucoPly structural plywood is product certified by an independent certification organization SAI Global as being manufactured in accordance with the joint New Zealand / Australian Standard, AS/NZS 2269 Structural Plywood.

Clause B2 Durability: Performance B2.3.1, B2.3.2 when used and treated to the requirements of NZS 3602:

AraucoPly structural plywood is manufactured to adhere with the requirements of the NZBC Clause B2 Durability. When the product is specified and used in accordance with good design and building practices, and treated to the required treatment levels as prescribed in NZS3602, it will form part of the Acceptable Solution complying with the requirements of the NZBC (B2/AS1).

Clause E2 External Moisture: Performance: E2.3.3, E2.3.4, E2.3.5:

AraucoPly structural plywood with exterior and ground clearances detailed in accordance with E2/AS1 Clause 9.1.3 and Clause 6.14.5 and Figure 6.21 of NZS 3604 will meet the performance requirements of E2.3.3, E2.3.4 and E2.3.5 when treated to the requirements of B2 Durability.

Clause F2 Hazardous Building Materials: Performance F2.3.1:

AraucoPly structural plywood meets the requirements and will not present a hazard to people.

AraucoPly Structural Plywood product, specified in accordance with New Zealand Building Code (NZBC) Clause B1/VM1 (B1 Structure Verification Method) or specified in accordance with B1/AS1 (B1 Structure Acceptable Solutions) or designed and detailed in accordance with E2/AS1 (E2 External Moisture Acceptable Solutions) is suitable for use as a structural plywood panel within structural systems as designed and specified by suitably qualified professionals and engineers. The installation and detailing of the AraucoPly Structural Plywood is to be installed in accordance with the specifications and details as provided by the design professionals and engineers.

The durability of AraucoPly Structural Plywood should be detailed and specified by the suitably qualified design professionals and engineers to meet the requirements for a timber-based wood veneer product of the NZBC Durability Clause B2 (B2 Durability).

AraucoPly Structural Plywood will continue to contribute to the relevant performance requirements of the New Zealand Building Code for 50 years (or other statutory time frames as specified by the designer or specifier of the project) provided that the specific design parameters of the project are met and satisfied accordingly.

Limitations on the use of the building product:

- AraucoPly structural plywood panels that are H3 CCA/MCA treated must not be installed in direct contact to steel frames or steel framing.
- Appropriate clearances to ground must be provided to meet durability requirements as detailed by the suitably qualified design professionals and engineers.
- Refer to the "AraucoPly Product Catalogue" for further information, limitations, usage of AraucoPly Structural Plywood.

Design requirements that would support the appropriate use of the building product:

AraucoPly, when specified and designed by a designer or engineer as a structural panel in accordance with the Verification Methods B1/VM1 or Acceptable Solutions B1/AS1, or as a cladding system with the Acceptable Solutions E2/AS1, the AraucoPly is a suitable structural plywood panel for applications in both residential and commercial buildings.

AraucoPly structural plywood panels can be specified as a substrate or specified as part of specific design solution, as a rigid underlay, and can also be a suitable substrate for overlays such as a carpet, tiles, vinyl, timber and membrane products where suitable, subject to the compatibility of materials in contact, surface grading of the plywood veneer product and the preservative treatment levels of the plywood as specified by the design professionals or engineer of a project.

When used as an exterior cladding product, it is highly recommended in using an E2/AS1 or E2/VM1 compliant plywood product that has a band sawn surface finish to reduce the face checking and any other appearance or aesthetic related issues which may occur with the non-appearance grade, solid sanded or smooth finish CD face graded plywood. Routine maintenance is key to ensuring the aesthetic appearances are maintained during the 12mm CD structural plywood panels used as a cladding system during its serviceable life.

Installation requirements:

AraucoPly structural plywood must be installed with good building practice, robust construction methodology and sound design principles when specified by the engineer, a suitably qualified design professional or the specifier of the project.

AraucoPly structural plywood can be installed in accordance with NZS3604 or the New Zealand Building Code E2 External Moisture (E2/AS1) acceptable solutions subject to suitability and appropriate specification for the application of structural plywood.

Treated AraucoPly structural plywood is envelope preservative treated. Where the H3 preservative treated sheets have had its protective envelope broken by such actions as cutting, drilling or machining a suitable remedial treatment to repair the envelope shall be applied to cut surfaces. This may include retreatment of cut ends with a brush-on wood preservative according to the manufacturer's recommendations. **Failure to reinstate preservative treatment may affect the serviceable life of the structural plywood and impact on the panels durability and ability to perform as intended.**

Maintenance requirements:

AraucoPly structural plywood will not normally require maintenance. However, there may be some form of maintenance during its serviceable life depending on the specified design, detailed project requirements and the intended use.

AraucoPly that has been specified as a cladding solution in accordance with the New Zealand Building Code E2 External Moisture, will require regular maintenance. Routine maintenance by the building owner is key to ensuring the aesthetic appearances and the durability of the product is maintained during the plywood panels normal serviceable life. Maintenance will vary, depending on the exposure to weather, localised environmental factors such as coastal or exposed areas and orientation to the sun. Maintenance is the responsibility of the building owner, and the professionals they engage. Regular inspections, washing down & cleaning, the coating and recoating of the panels, will ensure the cladding continues to perform as intended.

Where there are circumstances where other products, coatings, flexible or rigid membranes have been applied, maintenance will be in accordance with the proprietary systems manufacturer's specifications and requirements.

Should the plywood panel be damaged during its serviceable life, it would be recommended to replace the panel to ensure the serviceable life requirements are met, along with long-term appearances, the specified durability and the panel integrity is maintained.

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

☐ Yes ☒ No

Date: 30 October 2025