

PRODUCT TECHNICAL STATEMENT & BUILDING PRODUCT INFORMATION SHEET

CLASS I
OCTOBER 2023

Product Name: Ecoply Structural Plywood

Application: Grooved Lining

Product Description and Intended Use:



Ecoply® structural plywood is a layered panel made from New Zealand pine wood veneers manufactured by Carter Holt Harvey Plywood Limited (CHH Plywood) to the requirements of AS/NZS 2269. Adjacent layers (veneers) are bonded together with synthetic phenolic (PF) resin set and cured under heat and pressure in controlled conditions to form a strong and durable Type A bond. The veneers are typically at right angles to each other to deliver two-way strength and stability.

Ecoply grooved lining is manufactured in an uncoated appearance surface finish with a 'V' groove profile running along the sheet at 100 mm centres. The panels are nominally 12 mm thick, available with a tongue and groove long edge and 2700x1200 and 2400x1200 in size. Ecoply Grooved Lining is supplied either untreated or H3.1 LOSP treatment levels (subject to specific design).

The durability of Ecoply plywood products should be detailed by qualified design professionals to meet the requirements of New Zealand Building Code (NZBC) Durability Clause B2.

Product Identifier:

All Ecoply groove structural plywood sheets are marked in accordance with the requirements of AS/NZS 2269, and include the brand name Ecoply®. An example of untreated v-groove plywood is given below, for further information refer to the Ecoply V-Groove Information Guide.

ECOPLY GROOVED LINING STRUCTURAL
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Place of manufacture: Tokoroa, New Zealand

Legal and trading name of the manufacturer: Carter Holt Harvey Plywood Limited

Address for Service:

173 Captain Springs Road, Onehunga
Auckland 1061, New Zealand

Website: www.chhply.co.nz

Email Address: info@chhply.co.nz

Phone Number: 0800 326 759

NZBN: 9429046427366

Relevant New Zealand Building Code Clauses:

- Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.4(d)
- Clause B2 Durability: Performance B2.3.1 (a) when used and treated to the requirements of NZS 3602
- Clause F2 Hazardous Building Materials: F2.3.1

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

Ecoply grooved lining assists in meeting the following provisions of the NZBC:

Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.4(d)

Ecoply is product certified by the Engineered Wood Products Association of Australasia (EWPAA) as being manufactured in accordance with the joint New Zealand / Australian Standard AS/NZS 2269, Structural Plywood. The EWPAA is accredited for product certification by the Joint Accreditation System of Australia and New Zealand (JAS -ANZ).

Clause B2 Durability: Performance B2.3.1 (a) when used and treated to the requirements of NZS 3602

Ecoply grooved lining is manufactured to meet the requirements of the NZBC Clause B2 Durability. As such, if the product is used in accordance with good building practices and treated to the required treatment levels prescribed in NZS 3602, it will form part of an Acceptable Solution complying with the requirements of the NZBC (Acceptable Solution B2/AS1, 3.2.1).

Clause F2 Hazardous Building Materials: F2.3.1

Ecoply grooved lining meets this requirement and will not present a health hazard to people.

Limitations on the use of the building product:

Please refer to the current "Ecoply Grooved Lining Information Guide" for information, limitations, and cautions regarding the storage, handling, installation, usage, and maintenance of Ecoply grooved lining.

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

Ecoply Grooved Lining is targeted for use as an internal lining. Untreated plywood must only be used in dry internal spaces for wall and ceiling linings where NZS 3602 allows the use of untreated plywood. Wet areas such as bathrooms, laundries and kitchens are subject to specific design and compliance with B2 durability and E3 internal moisture.

Installation requirements:

Ecoply structural plywood must be installed in accordance with good building practice, sound design principles, and in accordance with the specifications and installation details provided within the current "Ecoply Grooved Lining Information Guide" or by the engineer and/or other qualified design professionals as applicable.

The specifications and details are available at our web site www.chhply.co.nz/librarytools.

Maintenance Requirements:

Ecoply grooved lining will not normally require maintenance. However, in circumstances where coatings have been applied, maintain in accordance with the coating manufacturer's requirements.

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

Yes No

Date: 5th October 2023

Additional Information:

Further to the minimum regulatory requirements for Building Product information Sheets, CHH Plywood also provides the following additional information in relation to Quality Assurance, Sustainability, Service Life and Product Support.

Quality Assurance:

CHH Plywood has strict quality assurance processes in place to monitor that Ecoply is manufactured in a manner that meets both the structural and visual requirements of the specific product.

Ecoply is independently third party audited by the EWPA. The EWPA certifies Ecoply manufactured by CHH Plywood at its Tokoroa mill.

Participation and compliance with the requirements of the EWPA's process based quality control scheme includes product testing and monitoring of properties. It provides the basis for the EWPA's Product Certification of Ecoply as conforming to the requirements of AS/NZS 2269.

The EWPA's product certification scheme is accredited under JAS-ANZ.

Sustainability:

Carter Holt Harvey's commitment to the environment is fundamental to its business. From the use of plantation forests to promoting policies minimizing waste and emissions, CHH is proud of the sustainable base for its products.

CHH Plywood uses waste handling procedures to optimise recovery and manage the creation of arisings. This starts with the use of only radiata pine sourced from sustainably managed renewable plantations and includes the application of optimisation algorithms for veneer peeling to enhance finished goods recovery.

CHH Plywood has been actively involved in the development of markets for the use of downgraded arising product for use in industrial applications including packaging whilst peeler cores are often reprocessed for use as bearers. All waste product derived is assessed for downstream applications including bark for landscaping, boiler fuel and/or sold for use in wood fibre products.

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

The CHH Plywood EPD is a demonstration of the continual focus and commitment to sustainability, through a science driven, independently verifiable process with standard methodology across all products.

[View and Download the EPD for Plywood - https://chhply.co.nz/assets/CHHPlyEPDCurrent.pdf](https://chhply.co.nz/assets/CHHPlyEPDCurrent.pdf)

ENVIRONMENT, SOCIAL AND GOVERNANCE (ESG)

Carter Holt Harvey has developed a new ESG reporting programme. The company has focused on setting out what its stakeholders have identified as material ESG issues, how it manages, or plans to manage those issues, and key environmental indicators. In the future, Carter Holt Harvey will celebrate its ESG achievements and acknowledge those areas where it needs to improve, keeping on a path of steady improvement that will further strengthen Carter Holt Harvey in the years to come.

[View and Download ESG Report - https://chhply.co.nz/assets/CarterHoltHarveyESGReportCurrent.pdf](https://chhply.co.nz/assets/CarterHoltHarveyESGReportCurrent.pdf)

FSC® AND SUSTAINABILITY ACCREDITATIONS

CHH Plywood sources logs from sustainably managed plantation forests, and has the Forest Stewardship Council® (FSC®) Chain of Custody certification (FSC® C012019). This measure provides a formal assurance that gives CHH Plywood's customers confidence about its sustainability credentials. CHH Plywood's products can be supplied with a FSC certificate on request.

[View and Download Certificate - https://chhply.co.nz/assets/CHHPlyFSCCertificateTokoroaCurrent.pdf](https://chhply.co.nz/assets/CHHPlyFSCCertificateTokoroaCurrent.pdf)

DECLARE LABEL

The CHH Plywood range of untreated products have been issued Declare labels and determined to be Red List Free through the International Living Future Institute, and as such the untreated range can be used in Living Building Challenge.

[View and Download the Declare label for Ecoply Untreated Structural Plywood - https://chhply.co.nz/assets/DeclareEcoplyUntreatedStructuralPlywoodCurrent.pdf](https://chhply.co.nz/assets/DeclareEcoplyUntreatedStructuralPlywoodCurrent.pdf)

EWPA FORMALDEHYDE EMISSION CLASSIFICATIONS CERTIFICATE

Formaldehyde Emissions for CHH Plywood products are measured as being less than 0.5 mg/L, classed as E0

[View and Download Certificate - https://chhply.co.nz/assets/Tokoroa-Formaldehyde-Certificate_Nov-2016.pdf](https://chhply.co.nz/assets/Tokoroa-Formaldehyde-Certificate_Nov-2016.pdf)

CARTER HOLT HARVEY ENVIRONMENTALLY RESPONSIBLE WOOD & WOOD FIBRE PROCUREMENT POLICY

View and Download Policy - <https://chhply.co.nz/assets/Uploads/CHH-Environmentally-Responsible-Wood-Wood-Fibre-Policy-Current.pdf>

Service Life:

Ecoply grooved lining will continue to satisfy the relevant performance requirements of the NZBC for 50 years (or other time periods as specified by the designer relative to the specific project) provided that all of the requirements set out in this Product Technical Statement and the specific design parameters of the project are satisfied.

Product Support:

CHH Plywood provides extensive product support for our full range of wood-based building products. By visiting www.chhply.co.nz you can access all the latest information regarding our products including Product Guides, Specification and Installation Guides, Technical Notes, Information Bulletins, CAD Drawings, Design Software and other useful information.

In addition to this CHH Plywood have a team of Technical Experts available to assist with any product enquiries. You can contact the team by calling 0800 326 759 or by emailing info@chhply.co.nz.

Legal Disclaimer: The information contained in this document is current as at published date and is based on data available to CHH Plywood at the time of going to print. CHH Plywood reserves the right to change the information contained in this document without prior notice. It is your responsibility to ensure that you have the most up to date information available. You can call toll free on 0800 326 759 or visit www.chhply.co.nz to obtain current information. CHH Plywood has used all reasonable endeavours to ensure the accuracy and reliability of the information contained in this document. However, to the maximum extent permitted by law, CHH Plywood assumes no responsibility or liability for any inaccuracies, omissions or errors in this information nor for any actions taken in reliance on this information.