

Ecoply® Plywood Products: Flooring

Product Description

Ecoply® Flooring 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: Structural Plywood (AS/NZ 2269). The 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. Adjacent layers (veneers) are typically at right angles to each other to deliver two-way strength and stability.

Ecoply Flooring contains a second void free layer under the surface veneer. This creates increased protection against moisture bubbles, and punch through of the first veneer under high point loads compared to normal structural plywood.

Ecoply flooring is available in F8 and F1 I/F8 stress grades in a range of thicknesses and CD finish with tongue and groove long edge. Ecoply products are available untreated and H3.2 treated.

Scope of Use

Ecoply Flooring plywood, specified in flooring applications in accordance with the current “Ecoply Specification & Installation Guide”, or subject to specific engineering design, is suitable for use as a flooring substrate with flexible or rigid overlays. Ecoply Flooring plywood is suitable as a substrate for overlays such as carpet, tiles and some membrane products (refer to overlay flooring manufacturer).

Ecoply Flooring plywood, as specified in Section 5 of the “Ecoply Specification & Installation Guide” is suitable for use as a flooring substrate subject to loading and spans conditions detailed in Table 17: Flooring Frame Spacings or subject to specific engineering design.

Ecoply Flooring plywood may be used as a floor diaphragm in bracing applications subject to specific engineering design and detailing.

The durability of Ecoply Flooring used as flooring substrate is subject to the requirements of NZS 3602 Timber and Wood Based Products for use in building (NZS 3602), in accordance with New Zealand Building Code (NZBC) Clause B2 Durability.

Limitations / Disclaimer

CCA treated Ecoply Plywood must not be installed in direct contact to steel frames.

Please refer to the current “Ecoply Specification & Installation Guide” for information, limitations, and cautions regarding the storage, handling, installation, usage, and maintenance of Ecoply structural plywood.

Compliance with the New Zealand Building Code

Ecoply Flooring, specified as flooring and employed in accordance with Section 5 of the “Ecoply Specification & Installation Guide”, assists in meeting the following provisions of the NZBC:

Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3(a,b,c,f,h,j,q), B1.3.4(d)

Ecoply Flooring 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 EWPAAs are accredited for product certification by the Joint Accreditation System of Australia and New Zealand (JAS -ANZ).

Structural design is in accordance with NZS 3603: Timber Structure Standard (NZS 3603) (verification method B1/VMI, 6.1).

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

Ecoply Flooring 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 E2 External Moisture: Performance E2.3.3, E2.3.4, E2.3.5

Ecoply Flooring with exterior and ground clearances detailed in Clause 9.1.3 of E2/AS1 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.

Clause F2 Hazardous Building Materials: F2.3.1

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

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 Flooring is independently third party audited by the EWPAAs. The EWPAAs certify Ecoply manufactured by CHH Plywood at its Tokoroa mill. Participation and compliance with the requirements of the EWPAAs' process-based quality control scheme includes product testing and monitoring of properties. It provides the basis for the EWPAAs' Product Certification of Ecoply as conforming to the requirements of AS/NZS 2269.

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

Sustainability

Ecoply Flooring is manufactured from plantation pine grown in New Zealand. It is grown on tree farms which are tended and harvested to provide wood for plywood manufacture and other applications. The crop is managed on a sustainable basis to yield millable trees. New Zealand plantations are managed in compliance with the New Zealand Forest Accord, a voluntary agreement signed in 1991 between New Zealand forest managers and environmental non-government organisations.

Ecoply Flooring is manufactured in New Zealand, at the CHH Plywood Tokoroa Plywood Mill. Ecoply is available Forestry Stewardship Council (FSC®) certified (FSC-C012019) upon request.

Installation Requirements

Ecoply Flooring must be installed in accordance with good building practice, sound design principles, and the requirements of Section 5.0 of the current "Ecoply Specification & Installation Guide" or details provided by a Certified Practising Engineer. The specifications and details are available at CHH Plywood web site www.ecoply.co.nz or ask CHH Plywood by calling 0800 326 759 for information.

Service Life	Ecoply Flooring will continue to satisfy the relevant performance requirements of the NZBC for 50 years provided all the requirements set out in this Product Technical Statement and the specific design parameters of the project are met.
Maintenance Requirements	Ecoply Flooring plywood will not normally require maintenance.
Product Support	<p>CHH Plywood provides extensive product support for our full range of wood-based building products. By visiting www.ecoply.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.</p> <p>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@ecoply.co.nz.</p>
Legal Disclaimer	<p>The information contained in this document is current as at June 2020 and is based on data available to CHH Plywood at the time of going to print.</p> <p>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.ecoply.co.nz to obtain current information.</p> <p>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.</p>