Ecoply® Carpet Grade Flooring Structural

**Product Description**

Ecoply Carpet Grade Flooring Structural plywood (Ecoply Carpet Grade) 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 Carpet Grade 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 Carpet Grade is a downgraded product that may contain filler and some face imperfections.

Ecoply Carpet Grade is available in the same strength, stiffness, and thickness ranges as CD flooring with tongue and groove along the long edge. Ecoply Carpet Grade products are available untreated and H3.2 CCA treated.

**Scope of Use**

Ecoply Carpet Grade specified in flooring applications in accordance with F11/F8 Ecoply plywood in the current “Ecoply Specification & Installation Guide”, or subject to specific engineering design, is suitable for use as a flooring substrate for overlays such as carpet and tiles.

Ecoply Carpet Grade, as specified as an alternative to Ecoply Flooring in Section 5 of the current “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 Carpet Grade may be used as a floor diaphragm in bracing applications subject to specific engineering design and detailing.

The durability of Ecoply Carpet Grade 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 Plywood must not be installed in direct contact to steel frames.

Ecoply Carpet Grade Plywood is not suitable for use with membrane floors and decks or where the product is left exposed for a visual application.

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

**Compliance with the New Zealand**

Ecoply Carpet Grade, specified as an alternative to CD Ecoply flooring and used in accordance with Section 5 of the current “Ecoply Specification & Installation Guide”, assists in meeting the following provisions of the NZBC:

Information contained in this document is specific to Ecoply plywood and must not be used with any other plywood products no matter how similar they may appear.

For further information contact Customer Services on 0800 326 759 or [www.ecoply.co.nz](http://www.ecoply.co.nz)
Building Code

**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 Carpet Grade 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). Structural design is in accordance with NZS 3603: Timber Structure Standard (NZS 3603) (verification method B1/VM1, 6.1).

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

Ecoply Carpet Grade 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 Carpet Grade Plywood 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 Carpet Grade meets this requirement and will not present a health hazard to people.

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Quality Assurance

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

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

The EWPAA’s product certification scheme is accredited under JAS-ANZ.

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Sustainability

Ecoply Carpet Grade 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 Carpet Grade Plywood is manufactured in New Zealand, at the CHH Plywood Tokoroa Plywood Mill. FSC® certified (FSC-C012019) upon request.
Installation Requirements

Ecoply Carpet Grade 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 Practicing Engineer. The specifications and details are available at CHH Plywood website www.Ecoply.co.nz or ask CHH Plywood by calling 0800 326 759 for information.

Service Life

Ecoply Carpet Grade Plywood flooring will continue to satisfy the relevant performance requirements of the NZBC for 50 years provided all of the requirements set out in this Product Technical Statement and the specific design parameters of the project are met.

Maintenance Requirements

Ecoply Carpet Grade Plywood will not normally require maintenance.

Product Support

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.

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.

Legal Disclaimer

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.

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.

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