



Ecoply® Plywood Products: Structural Bracing & Ceiling Diaphragms

Product Technical Statement

<p>Product Description</p>	<p>Ecoply® structural plywood is a layered panel made from New Zealand pine wood veneers manufactured by Carter Holt Harvey Woodproducts (CHHWP) to the requirements of AS/NZS 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.</p> <p>Ecoply is available in F8 and F11/F8 stress grades in a range of finishes including BD, CD, and DD and is available untreated, H3.1 LOSP treated and H3.2 CCA treated.</p>
<p>Scope of Use</p>	<p>Ecoply structural plywood, specified in accordance with the current “Ecoply Specification & Installation Guide” or subject to specific engineering design, is suitable for use as structural bracing and ceiling diaphragms when:</p> <ul style="list-style-type: none"> • Specified in and installed in accordance with Specification Requirements EP1 and EPG bracing specification; or • Installed as a structural ceiling diaphragm in accordance with Section 13, NZS 3604 <p>Ecoply Structural Bracing and Ceiling diaphragms, as specified in Section 3.0 of the “Ecoply Specification & Installation Guide”, are suitable for bracing components in houses and similar buildings within the scope of NZS 3604.</p> <p>The durability of Ecoply Structural Square Edge used as bracing or ceiling diaphragms in residential applications 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.</p>
<p>Limitations / Disclaimer</p>	<p>CCA Treated Ecoply Plywood must not be installed in direct contact to steel frames.</p> <p>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.</p>
<p>Compliance with the New Zealand Building Code</p>	<p>Ecoply Square Edge, specified as bracing and employed in accordance with Section 3 of the “Ecoply Specification & Installation Guide”, assists in meeting the following provisions of the NZBC:</p> <p>Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3(a,c,f,q,h), B1.3.4(d)</p> <p>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).</p>



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	<p>Bracing Capacities, determined in accordance with P21 testing methods, are part of an Acceptable Solution of NZS 3604, (Acceptable Solution B1/AS1, 3.1).</p> <p>Clause B2 Durability: Performance B2.3.1(a) when used and treated to the requirements of NZS 3602</p> <p>Ecoply Structural Square Edge 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).</p> <p>Clause F2 Hazardous Building Materials: F2.3.1</p> <p>Ecoply Structural Square Edge plywood meets this requirement and will not present a health hazard to people.</p>
Quality Assurance	<p>CHH Woodproducts (CHHWP) 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.</p> <p>Ecoply is independently third party audited by the EWPAA. The EWPAA certifies Ecoply manufactured by CHHWP at its Tokoroa mill.</p> <p>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.</p> <p>The EWPAA's product certification scheme is accredited under JAS-ANZ.</p>
Sustainability	<p>Ecoply 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.</p> <p>Ecoply is manufactured in New Zealand, at the CHHWP Tokoroa Plywood Mill. Ecoply is available Forestry Stewardship Council (FSC) Certified on request (FSC-C012019).</p>



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Installation Requirements	Ecoply Structural Square Edge used as bracing or structural diaphragms to NZS 3604 must be installed in accordance with good building practice, sound design principles, and the requirements of Section 3.0 of the current “Ecoply Specification & Installation Guide”. The specifications and details are available at CHHWP web site www.chhwoodproducts.co.nz or ask CHHWP by calling 0800 326 759 for information.
Service Life	Ecoply Structural Square Edge used as bracing or structural diaphragms to NZS 3604 will continue to satisfy the relevant performance requirements of the NZBC for 50 years provided that all of the requirements set out in this Product Technical Statement and the specific design parameters of the project are met.
Maintenance Requirements	Ecoply Structural Square Edge components will not normally require maintenance. However, in circumstances where coatings have been applied, maintain in accordance with coating manufacturers requirements.
Product Support	<p>CHHWP provides extensive product support for our full range of wood based building products. By visiting www.chhwoodproducts.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 CHHWP have a team of Engineers and Technical Experts available to assist with any product enquiries. You can contact the team by calling 0800 808 131 or by emailing woodproducts@chhwoodproducts.co.nz.</p>
Legal Disclaimer	<p>The information contained in this document is current as at July 2015 and is based on data available to CHHWP at the time of going to print.</p> <p>CHHWP 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 808 131 or visit www.chhwoodproducts.co.nz to obtain current information.</p> <p>CHHWP 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, CHHWP 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>