

Product name	Ecoply DD12x2700x1200mm F8/F8 Structural Untreated
Product line	Ecoply® is part of the CHH Ply range
Product identifier	Ecoply DD12x2700x1200mm F8/F8 Structural Untreated
Product class	Class 1

Building Product Information Sheet (BPIR)

Description

Ecoply DD12x2700x1200mm F8/F8 Structural Untreated ply is manufactured in New Zealand by Carter Holt Harvey Plywood Limited (CHH Plywood), the Ecoply® Interior product range consists of untreated plywood panels suitable for internal use as wall and ceiling linings. This product is an appearance grade ply with a solid sanded surface suitable for a higher quality finish.

Ecoply interior panels are manufactured from radiata pine wood veneers. The veneers are placed at right angles to each other for maximum strength and stability then bonded together with synthetic phenolic (PF) resin to form a strong and permanent Type A bond.

Applications Include:

- Interior wall and ceiling linings.
- Feature walls and partitions.
- Back lining to exposed rafters.
- Commercial interiors and shop fitouts.

Advantages

- Decorative real wood panelling.
- Tough and impact resistant.
- Strong, providing stiffness and rigidity.
- Only requires standard carpentry tools.
- Lightweight, easy to work and finish.
- Ability to create slight curves.
- Water resistant glue bond.

The F8/F8 is a code denotes the strength and stiffness properties of the plywood products and shows that the stress grade in both directions, in this instance, the F8/F8 code means it is strong and ideal for internal use. The surface grade of the Ecoply® plywood, which in this case is DD - describes the front and back veneer appearance. In this case, DD both sides of the ply are left unsanded to give extra strength and a safer grip when installing at a height, such as ceiling installation.

Relevant Building Code Clauses

- **B1 Structure** — B1.3.1, B1.3.2, B1.3.3 (j), B1.3.4
- **F2 Hazardous building materials** — F2.3.1

Contributions to Compliance

Ecoply DD12x2700x1200mm F8/F8 Structural Untreated

B1 (Structure) Compliance with is about whether the product can withstand the forces imposed on it through use.

Ecoply® plywood manufacture is audited by the product quality control programme of the Engineered Wood Products Association of Australasia (EWPAA) which is itself audited by the Joint Accreditation System of Australia and New Zealand (JAS-ANZ).

CHH Plywood is licensed by the EWPAA to stamp plywood with the EWPAA/JAS-ANZ Product Certification Mark. This certifies it has been manufactured under the third party audited Joint Product Certification programme to monitor compliance with joint Australian/New Zealand Standard AS/NZS 2269 Plywood – Structural. Ecoply® plywood meets this standard as referenced in the NZBC Acceptable Solutions and Verification Methods through:

- NZS 3602 The Use of Timber and Wood-based products for use in building.
- 1.Design to NZS 3604 Timber Structures complies with the NZBC in Verification Method B1/VM1 Clause 6.0 Timber.
 - 2.Plywood is the only sheet material with properties listed in NZS 3604. Ecoply® structural plywood is in the F8/F8 stress grade.

Contributions to Compliance

Clause F2.3.1 (Hazardous building materials)

Ecoply DD12x2700x1200mm F8/F8 Structural Untreated is not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms Legislation and does not require to be regulated for transport of Dangerous Goods.

Ecoply® plywood is safe to use, especially when simple Health and Safety protocols are in place:

- Always wear safety glasses or non-fogging goggles when machining Ecoply panels.
- If wood dust exposures are not controlled when machining (sawing, routing, planing, drilling etc.) a class P1 or P2 replaceable filter or disposable face piece respirator should be worn.
- Wear comfortable work gloves to avoid skin irritation and the risk of splinters. Wash hands with mild soap and water after handling panels

Scope of Use

Ecoply DD12x2700x1200mm F8/F8 Structural Untreated

Ecoply DD12x2700x1200mm F8/F8 Structural Untreated plywood must be installed in accordance with good building practice, sound design principles, and in accordance with the specifications and installation details provided by the engineer and/or other qualified design professional.

Design responsibility lies with the building owner and the professionals that they engage. The specifier for the project must ensure that the details in the specification for their individual projects are appropriate for the intended application. The specifier must also ensure that additional detailing is provided for specific design or any areas that fall outside the scope and specifications of the Ecoply Specific Installation Guide.

Ecoply® is structural-grade plywood with a range of uses throughout the building industry, particularly where known structural characteristics are required.

Applications Include:

- Interior wall and ceiling linings.
- Feature walls and partitions.
- Back lining to exposed rafters.
- Commercial interiors and shop fitouts

Ecoply DD12x2700x1200mm F8/F8 Structural Untreated is **not rated for structural bracing**, nor is it acoustically rated to form part of an intertenancy wall, or on walls which require a fire rating.

Ecoply Interior (untreated and uncoated) plywood is suitable where NZS 3602 - Timber and Wood Based Products for use in Building allows the use of untreated plywood. Untreated Ecoply is designed for internal dry applications only. Therefore, Ecoply DD12x2700x1200mm F8/F8 Structural Untreated

- Is not suitable for use in wet areas such as bathrooms. and laundries
- Is not suitable for use in food preparation areas such as kitchens.
- Is not fireproof and care must be taken with decorative finish coatings or intumescent coatings. For advice on specific coating systems and their suitability for use with Ecoply products, always refer to the coating manufacturer.

Good detailing which avoids moisture or dust accumulation on the sheet surface can help increase durability of Untreated plywood used in dry, interior situations as defined by NZS 3602 and will meet the requirements for 50-year minimum durability if coated or uncoated.

Sheet Fasteners and Fixings

Ecoply DD12x2700x1200mm F8/F8 Structural Untreated must have the correct fasteners (see diagram pg 7, Sheet Fasteners and Fixings (Ecoply Specification and Installation Guide, October 2022)

Adhesives Only (Not Suitable for Ceiling Applications)

Panels may be fixed with a bead of MS Polymer based adhesive such as the Soudal Soudaseal 240FC on all frame supports through the application of Ø 7mm continuous beads. Sheets must be supported by applying pressure during the adhesive curing process in accordance with the adhesive manufacturer specifications or with mechanical fasteners such as nails, panel pins/brads or screws at 300mm centres on all supporting framing.

Scope of Use (Continued)

Soudal Adhesive Only Wall System:

Soudal has developed an installation method for Interior plywood when used for internal wall linings (not suitable for use in ceiling, applications). The system uses a two-stage process utilising Soudal Soudaseal 240 FC and Gator double sided tape 2mm. The Gator tape provides initial fixing support for panels and ensuring that a 2mm thickness of the adhesive is maintained, while a permanent bond is established using Soudal Soudaseal 240FC.

When installed according to Soudal technical specifications this system can eliminate the need for mechanical fasteners and/or bracing support during the adhesive curing process. For specifications and technical support regarding the system contact Soudal on 0800 832 7732 or visit www.soudal.co.nz

Internal Wall Linings & Ceilings

- Skirtings, dado mouldings, furniture trim, bookshelves, cornices and other trim can be used to hide mechanical fasteners.
- Deep skirting and cornices can be used to extend the effective length of shorter sheets in longer applications.
- Unsupported plywood sheets may distort with environmental changes or when coated, particularly if the coating is applied to one side only. Always refer to the coating manufacturer. Where ongoing sheet flatness is critical, plywood sheets must be supported by framing.

Conditions of Use

Ecoply DD12x2700x1200mm F8/F8 Structural Untreated

Ecoply DD12x2700x1200mm F8/F8 Structural Untreated must be installed in accordance with the Ecoply Specification and Installation Guide, October 2022

- Only fasteners specified in the Ecoply Specification and Installation Guide, October 2022, must be used. o Ecoply must not be allowed to come in contact with soil. The bottom edge of the plywood sheet must be a minimum of 100mm above decks or paved ground and a minimum of 175mm above unprotected ground.

Untreated Ecoply is designed for internal dry applications only. **Wet areas such as bathrooms, laundries and kitchens are not suitable for Untreated Ecoply.**

Ecoply® DD 21x2400x1200mmx F8/F8 Structural Untreated **IS Not RECOMMENDED FOR ROOFING as a substrate for coverings or under a membrane.**

Prior to installation, inspect panels for visual defects. Responsibility lies with the installer to ensure individual panels meet the aesthetic requirements of the specific project. CHH Plywood will not be responsible for installation or removal costs where aesthetically unacceptable panels have been installed.

Conditions of Use (Continued)

During the building process, the Ecoply must be:

- Kept dry, stored under cover.
- Handled and stacked with care to avoid damage.
- Stacked flat; clear of the ground, on at least three evenly spaced bearers.
- Stored in well-ventilated areas away from sources of heat, flames or sparks.
- To minimise dimension movements, allow panel to equilibrate in the final environmental conditions before installation. At the time of leaving the factory, the moisture content of untreated Ecoply plywood should generally be in the range of 8% to 15% as required by AS/NZS 2269. All wood products including plywood respond to changes in ambient humidity, so the eventual moisture content of plywood varies according to how dry or how wet the environment is. After manufacture, the moisture content will move to equilibrium with the environment, and the veneers swell or shrink across the grain in response from a dry to a saturated state.

Contact Details

Manufacture location	New Zealand / Aotearoa
Legal and trading name of manufacturer(s)	Carter Holt Harvey
Manufacturer address for service	Captain Springs Road, 173 Auckland 1061
Manufacturer website	www.chhply.co.nz
Manufacturer email	info@chhwoodproducts.co.nz
Manufacturer phone number	0800 326 759
Manufacturer NZBN	9429046427342

Documentation

- **Ecoply Installation and Specification Guide October 2022**

<https://chhply.co.nz/assets/Uploads/E...>

Certification Design Installation Maintenance Test results

- **Building Act 2004**

<https://www.legislation.govt.nz/act/p...>

Certification Design Installation

- **Ecoply Interiors Information Guide December 2022**

<https://chhply.co.nz/assets/Uploads/E...>

Certification Design Installation Maintenance Test results

- **Chemwatch Untreated Pine Plywood**
- **EWPA Product Certification Scheme May 2021**

<https://chhply.co.nz/assets/Uploads/2...>

Certification Test results

- **chhply.co.nz/ranges/ecoply/ecoply-structural-plywood/structural-square-edge/**

<https://chhply.co.nz/ranges/ecoply/ec...>

Design Installation

- **Changing the Perspective of Plywood**

<https://chhply.co.nz/>

Certification Design Installation Maintenance Test results