

Product name	SECONDS Handiply Utilityclad Natural Groove 12x2745x1200 Structural H3.2 CCA
Product line	Handiply is part of the CHH Ply range
Product identifier	SECONDS Handiply Utilityclad Natural Groove 12x2745x1200 Structural H3.2 CCA
Product class	Class 1

Building Product Information Sheet (BPIR)

Description

Handiply Utilityclad Natural Groove is commonly referred to as down grade plywood cladding, downgrade or seconds cladding. It is a band-sawn plywood panel sourced from downgraded Shadowclad® exterior cladding.

Handiply Utilityclad Natural Groove is not suitable as an exterior cladding where a high level of visual finish and/or compliance with New Zealand Building Code (NZBC) Clause E2 External Moisture is required.

Recommended cladding applications include, but are not limited to:

sheds

barns

farm buildings

general utility buildings.

It is recommended as cladding for unlined structures.

Relevant Building Code Clauses

- **B1 Structure** — B1.3.1, B1.3.2, B1.3.3 (f, h, m), B1.3.4
- **B2 Durability** — B2.3.1 (b)
- **E2 External moisture** — E2.3.2, E2.3.5, E2.3.7
- **F2 Hazardous building materials** — F2.3.1

Contributions to Compliance

SECONDS Handiply Utilityclad Natural Groove 12x2745x1200 Structural H3.2 CCA

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

Clause B2.3.1(a) B2.3.2(a) (Durability)

Handiply Utilityclad Prime Groove 12x2745v1200mm Structural H3.2 CCA is produced under a strict quality control programme.

Ecoply® structural plywood 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.

While often referred to as down grade plywood cladding, this product is still constructed with the strong Type A bond.

Utilityclad is suitable for use as a cladding in all wind zones up to and including extra high (55 m/s) as defined by NZS 3604 when installed on stud framing with stud spacing not exceeding 600mm (Refer section 4.1 Framing -UTILITYCLAD™ Product Range

Downgrade plywood claddings, such as Utilityclad manufactured by CHH Ply, will meet the structural and durability requirements of the NZ Building Code (Clause B2). or any issues relating to surface appearance or finish of the product.

Contributions to Compliance

Clause F2.3.1 (Hazardous building materials)

Handiply Utilityclad Prime Groove 12x2745v1200mm Structural H3.2 CCA uses CCA as a treatment. Chemwatch rates CHH CCA Treated Pine Plywood is NOT a hazardous material and is safe to use, especially when simple Health and Safety protocols are in place:

Eyes: Wear non-fogging goggles, full face shield, or safety glasses with side shields when cutting this product.

Hands and Skin: Wear protective clothing such as overalls and shirt with sleeves, also closed in footwear. Wear puncture-resistant gloves (e.g.leather) when handling dry wood to prevent splinters.

Respiratory: Use in well-ventilated area or outside. Wear a class P1 or P2 replaceable filter or a disposable face piece respirator should be worn if wood dust is generated.

General: Wash hands before eating, drinking, smoking, using the toilet and at the end of the shift.

H3.2 CCA has an extremely low formaldehyde emission rate. CCA uses water during the treatment process and may leave panel surfaces with a slight green colour.

Scope of Use

HandiPLY Utilityclad™™ Prime Groove 12x2745v1200mm Structural H3.2 CCA

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Manufactured by Carter Holt Harvey Wood products, Utilityclad™™ is a band sawn plywood panel sourced from downgraded Shadowclad® exterior cladding, it is available in either a grooved or textured finish.

Utilityclad™™ Prime Groove is available as a natural CCA treated textured board as both a pre-primed or natural board.

All sheets feature a shiplap joint on the long sheet side (this gives an effective sheet width of 1200mm). The Utilityclad™™ Groove product features a 9mm wide, 5mm deep grooved profile at 150mm centres across the face of the board.

As a downgraded product, Utilityclad™™ has a limited range of suitable applications, however, suitable cladding applications include un-lined structures such as:

- Sheds & Barns
- Farm Buildings
- General Utility Buildings

Utilityclad™™ is not suitable for applications built within one metre of another building or fence.

H3.2 CCA uses water during the treatment process and may leave panel surfaces with a slight green colour. Where Utilityclad™™ is H3.2 CCA treated the use of aluminium flashings or galvanised fasteners in direct contact should be avoided and the use of stainless steel is required. Mechanical fasteners are required to fix Utilityclad™™ to framing'. (Further information is available from www.chhwoodproducts.co.nz).

Designers may wish to specify the use of coatings or flashings as part of their design. The Shadowclad® Specification and Installation Guide may be used as guidance where and as appropriate. This is available from www.chhwoodproducts.co.nz The designer should confirm the suitability of these coatings or flashings for their individual project. The selection, application, and maintenance of coatings is the responsibility of building owners and the professionals that they engage. For advice on specific coating products and their suitability for use on Utilityclad™™, always refer to the coating manufacturer.

Conditions of Use

SECONDS Handiply Utilityclad Natural Groove 12x2745x1200 Structural H3.2 CCA

Utilityclad must be competently installed in accordance with good building practices and sound design principles to satisfy the requirements of the Building Act 2004, the New Zealand Building Code, and applicable New Zealand Standards. This is the responsibility of building owners and the design professionals and builders that they engage.

- Ecoply Handiply must also be installed using the Écoply Specifications Installation Guide, October 2022.
- Utilityclad sheets may contain defects up to 5% of the area of the sheet surface. Defects may include but are not limited to:
 - Ship lap edge damage
 - Surface delamination associated with natural defects
 - Visual blemishes including bald patches and texture inconsistencies
 - Veneer overlaps
 - Surface ridges and veneer mis presses
 - Chain marks, visible glue line, stone chips

It must not be used for any application requiring a building consent subject to the provisions of NZBC Clause E2 External Moisture.

The use of CCA as the wood treatment on the lower grade Utilityply means that the sheets:

- May exhibit slight sheet bowing resulting from the treatment and surface coating processes.
- The fillets used to separate sheets during drying may leave marks on the sheet surface. These will fade over time and can be disguised with paint but may be visible under penetrating stains.
- The H3 CCA treatment and subsequent drying process may increase the likelihood of face checking on the surface of the panel

Utilityclad is not suitable for use where compliance with NZBC Clause E2 External Moisture is required. Where compliance with NZBC Clause E2 External Moisture is required CHH Wood products recommends the use of Shadowclad exterior cladding sheet surface.

- The bottom edge of the Utilityclad sheet must be a minimum of 100mm above decks or paved ground and a minimum of 175mm above unprotected ground. Utilityclad must overhang the bottom plate on a concrete slab by a minimum of 50mm (and maximum of 75mm) as required by NZS 3604.
- Utilityclad is suitable for use as a cladding in all wind zones up to and including extra high (55 m/s) as defined by NZS 3604 when installed on stud framing with stud spacing not exceeding 600mm (Refer section 4.1 Framing - Construction in Ecoply Specifications and Installation Guide, October 2022).
- Utilityclad is envelope preservative treated. Where sheets are cut, cuts must be coated with a brush on timber preservative. Holdfast® Metalex® Clear is recommended. Failure to do so may affect the long-term durability of the panel. Information provided above should only be considered a general guide. For technical information contact customer services or visit www.chhwoodproducts.co.

Conditions of Use (Continued)

During the building process, Utilityclad panels 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; and
- Stored in well-ventilated areas away from sources of heat, flames, or sparks.

MAINTENANCE REQUIREMENTS

All cladding materials, including Utilityclad, require careful and regular product maintenance by the building owner throughout the cladding's normal service life to ensure long term durability and to maintain visual aesthetics.

At a minimum, Utilityclad should be maintained by:

- Regularly washing it down (at least annually) with a mild detergent or solution to remove surface dirt, moss, mould, and sea spray.
- Inspecting sheets, sheets joints, corners, and bases (at least annually); and
- Keeping dirt, soil or leaf build-up at least 150 mm away from the base of panels

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.chhpoly.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