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**Relevant New Zealand Building Code Clauses:**

- Clause F2 Hazardous Building Materials: F2.3.1

**Statement on how the building product is expected to contribute to compliance:**

truFORM will assist in meeting the following provisions of the NZBC:

**Clause F2 Hazardous Building Materials: F2.3.1**

Futurebuild LVL meets this requirement and will not present a health hazard to people.

**Limitations on the use of the building product:**

- truFORM is only intended for use in formwork applications. Because truFORM is a reusable product regular inspection and, as required, proof testing form part of ongoing use.
- Please refer to the current truFORM literature for information, limitations, and cautions regarding the storage, handling, installation, usage, and maintenance of LVL.

**Design requirements that would support the appropriate use of the building product:**

The design properties of Futurebuild LVL were determined in accordance with Clause 2.3 of NZS 3603: Timber Structures Standard (NZS 3603).

Futurebuild LVL 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 4357: Structural Laminated Veneer Lumber (AS/NZS 4357). The EWPAA is accredited for product certification by the Joint Accreditation System of Australia and New Zealand (JAS-ANZ).

The design for truFORM sections detailed in the software and literature have been prepared in accordance with the following Australian Design Standards:

- AS 3610:1995 Formwork for Concrete\*
- AS 1720.1: Timber Structures using design characteristic values determined in accordance with AS /NZS 4063.2 Section 4.

\*AS 3610:1995 has been superseded by AS 3610.1, however no guidance for the prescriptive application of loading is provided after 1995.

Because truFORM is a reusable product regular inspection and, as required, proof testing form part of ongoing use.

### Installation requirements:

truFORM LVL members are to be installed in accordance with traditionally recognised formwork framing practice.

### Maintenance Requirements:

For best durability and longest re-use potential of truFORM:

- Store under cover in a well-ventilated area
- Handle and stack with care to avoid damage
- Stack flat clear of ground on at least three evenly spaced bearers
- Re-seal cut edges with acrylic paint
- Wet members should have spacers between layers to allow to dry out

**Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?**

Yes  No

**Date:** 21<sup>st</sup> November 2023

### Additional Information:

Further to the minimum regulatory requirements for Building Product information Sheets, Futurebuild LVL also provides the following additional information in relation to Quality Assurance, Sustainability, Service Life and Product Support.

### Quality Assurance:

Futurebuild LVL has strict quality assurance processes in place to monitor that Futurebuild LVL is manufactured in a manner that meets both the structural and visual requirements of the specific product.

Futurebuild LVL is independently third party audited by the EWPAA. The EWPAA certifies Futurebuild LVL manufactured at its Marsden Point 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 Futurebuild LVL as conforming to the requirements of AS/NZS 4357.

Conformance with AS/NZS 4357 ensures that Futurebuild LVL is suitable for structural applications in accordance with NZS 3603 and NZS 3604.

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

## Sustainability:

Carter Holt Harvey's commitment to the environment is fundamental to its business. From the use of plantation forests to promoting policies minimizing waste and emissions, CHH is proud of the sustainable base for its products.

Futurebuild LVL uses waste handling procedures to optimise recovery and manages the use of arisings whilst limiting waste. This starts with the use of only radiata pine sourced from sustainably managed renewable plantation and includes the application of optimisation algorithms for veneer peeling to enhance finished goods recovery as well as the development of markets for the downgrading of arising product for use in industrial applications including packaging. Peeler cores are typically reprocessed for use as bearers whilst downgraded product is reprocessed into products including fillet sticks and bearers as well as being on-sold for use in furniture as applicable. All waste product derived is assessed for downstream applications including bark for landscaping, boiler fuel and/or sold for use in wood fibre products.

### ENVIRONMENTAL PRODUCT DECLARATION (EPD)

The CHH Futurebuild LVL Environmental Product Declaration (EPD) is a demonstration of the continual focus and commitment to sustainability, through a science driven, independently verifiable process with standard methodology across all products.

**[View and Download the EPD for Futurebuild LVL –](#)**

**<https://futurebuild.co.nz/assets/Futurebuild-LVL-EPD-Current.pdf>**

### ENVIRONMENT, SOCIAL AND GOVERNANCE (ESG)

Carter Holt Harvey has developed a new ESG reporting programme. The company has focused on setting out what its stakeholders have identified as material ESG issues, how it manages, or plans to manage those issues, and key environmental indicators. In the future, Carter Holt Harvey will celebrate its ESG achievements and acknowledge those areas where it needs to improve, keeping on a path of steady improvement that will further strengthen Carter Holt Harvey in the years to come.

**[View and Download ESG Report -](#)**

**<https://futurebuild.co.nz/assets/CarterHoltHarveyESGReportCurrent.pdf>**

### FSC® AND SUSTAINABILITY ACCREDITATIONS

Futurebuild LVL sources logs from sustainably managed plantation forests and other controlled sources, and has the Forest Stewardship Council® (FSC®) Chain of Custody certification (FSC® C007103). This measure provides a formal assurance that gives Futurebuild LVL's customers confidence about its sustainability credentials.

All Futurebuild LVL products can be supplied with a FSC certificate (FSC® C007103) if requested.

**[View and Download Certificate –](#)**

**<https://futurebuild.co.nz/assets/Futurebuild-LVL-FSC-Certificate-Marsden-Current.pdf>**

## DECLARE LABEL

The Futurebuild LVL range of untreated and H1.2 treated products have been issued Declare labels and determined to be Red List Free through the International Living Future Institute, and as such the untreated and H1.2 treated range can be used in Living Building Challenge projects.

View the Declare labels -

<https://futurebuild.co.nz/assets/Declare-Futurebuild-Hyjoist-Untreated-Current.pdf>

<https://futurebuild.co.nz/assets/Declare-Futurebuild-Hyjoist-H1.2-Treated-Current.pdf>

## EWPA FORMALDEHYDE EMISSION CLASSIFICATIONS CERTIFICATE

Formaldehyde Emissions for Futurebuild LVL products are measured as being less than 0.5 mg/L, classed as E0.

View and Download Certificate -

<https://futurebuild.co.nz/assets/FuturebuildEWPAFormaldehydeEmissionClassificationsCertCurrent.pdf>

## CARTER HOLT HARVEY ENVIRONMENTALLY RESPONSIBLE WOOD & WOOD FIBRE PROCUREMENT POLICY

View and Download Policy - <https://chhply.co.nz/assets/Uploads/CHH-Environmentally-Responsible-Wood-Wood-Fibre-Policy-Current.pdf>

## Service Life:

hyPLANK is not subject to NZBC durability requirements because the components are plant items that will be replaced after repeated use and inspection deems the components to be worn or unsuitable.

## Product Support:

Futurebuild LVL provides extensive product support for our full range of wood based building products. By visiting [www.futurebuild.co.nz](http://www.futurebuild.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 Futurebuild LVL 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 [info@futurebuild.co.nz](mailto:info@futurebuild.co.nz).

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