

# PRODUCT TECHNICAL STATEMENT & BUILDING PRODUCT INFORMATION SHEET

CLASS I  
NOVEMBER 2023

**Product Name:** Pinex Verified

**Application:** Specified for Residential Applications through NZS 3604 or Specific Design



## Product Description and Intended Use:

Pinex Verified is a structural timber member manufactured by Carter Holt Harvey Building Products Limited, trading as Carter Holt Harvey Timber (CHH Timber) for use as residential framing in weather exposed applications. Pinex Verified is a range of sawn timbers available wet (moisture content greater than 16 %) that has been graded as SG8 prior to being treated. Available in a variety of sizes and lengths Pinex Verified is typically supplied H3.2 CCA treated for use in above ground, external applications like decks and veranda rafters. Pinex Verified is verified as SG8 by machine grade testing prior to treatment.

Pinex Verified, specified as SG8 wet in service in NZS 3604 Timber Framed Buildings (NZS 3604), is suitable for use as a structural member in the framing of decks in houses and similar buildings within the scope of NZS 3604.

Pinex Verified may also be used as a structural framing member for specifically designed building components in accordance with NZS 3603 Timber Structures Standard (NZS 3603) when designed by a Chartered Professional Engineer, and where due consideration of the 'wet in service' Characteristic Stresses have been taken into account. Like any 'wet' product, due consideration to creep and detailing must take into account moisture movement within the service life of the product.

## Product Identifier:

All Pinex Verified are end tagged to include the brand name Pinex Verified, the treatment level to NZS 3640, H3.2, and notation regarding the structural grade, SG8, AS/NZS 1748 and the word wet to denote a wet in-service moisture content greater than 16%. An example of Pinex Verified end tag branding is given below:



**Place of manufacture:**

Kawerau and Nelson, with some treatment processes completed at Kinleith, New Zealand

**Legal and trading name of the manufacturer:**

Carter Holt Harvey Building Products Limited, trading as CHH Timber

**Address for Service:**

173 Captain Springs Road, Onehunga

Auckland 1061, New Zealand

**Website:** [www.chhwoodproducts.co.nz](http://www.chhwoodproducts.co.nz)

**Email Address:** [info@chhwoodproducts.co.nz](mailto:info@chhwoodproducts.co.nz)

**Phone Number:** 0800 746 399

**NZBN:** 9429041671504

**Relevant New Zealand Building Code Clauses:**

- Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3 (a, b, c, q), B1.3.4(d)
- Clause B2 Durability: Performance B2.3.1 when used and treated to the requirements of NZS 3602 as modified by B2/AS1
- Clause F2 Hazardous Building Materials: F2.3.1

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

Pinex Verified will, if specified and employed in accordance with the prescribed span, loading and installation requirements, assist in meeting the following provisions of the NZBC:

**Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3 (a, b, c, q), B1.3.4(d)**

The design properties of Laserframe are stress graded 'dry' to Australian/New Zealand Standard 1748 Series, Timber – Solid – Stress-graded for structural purposes with properties determined using Australian / New Zealand Standard 4063: Characterisation of structural timber and verified to New Zealand Standard 3622: Verification of timber properties for use with NZS 3603 and NZS 3604.

Span tables for wet in service SG8 within NZS 3604 form part of Acceptable Solution B1/AS1, 3.1.

**Clause B2 Durability: Performance B2.3.1 when used and treated to the requirements of NZS 3602 as modified by B2/AS1**

Pinex Verified is available treated to levels that meet the requirements of Clause B2 (Durability) of the NZBC. As such, if the product is treated and used in accordance with the required treatment levels prescribed in NZS 3602, as modified by B2/AS1 Clause 3.2.2, it will form part of an Acceptable Solution and comply with the requirements of the NZBC.

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

Pinex Verified meets this requirement and will not present a health hazard to people.

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

- Pinex Verified members treated to H3.2 may not be used in situations where they may be in direct contact with the ground. As a CCA treated product, any cuts, holes, or notches shall have the treatment envelope reinstated using brush on preservative treatments like End Seal or Metalex. Supplied as a wet in-service product, Pinex Verified is subject to creep and shrinkage during its service life, due consideration should be taken into account in design and detailing.
- Please refer to the current Pinex Literature for information, limitations, and cautions regarding the storage, handling, installation, usage, and maintenance of Pinex Verified.

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

The design properties of Laserframe are stress graded 'dry' to Australian/New Zealand Standard 1748 Series, Timber – Solid – Stress-graded for structural purposes with properties determined using Australian / New Zealand Standard 4063: Characterisation of structural timber and verified to New Zealand Standard 3622: Verification of timber properties for use with NZS 3603 and NZS 3604.

Span tables for wet in service SG8 within NZS 3604 form part of Acceptable Solution B1/AS1, 3.1.

## **Installation requirements:**

Pinex Verified is to be installed in accordance with the specifications and installation details described in NZS 3604 or as detailed by the Chartered Professional Engineer, and good building practice taking into account the in service moisture content and any shrinkage that may occur.

## **Maintenance Requirements:**

Pinex Verified will not normally require maintenance.

## **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, CHH Timber also provides the following additional information in relation to Quality Assurance, Sustainability, Service Life and Product Support.

## **Quality Assurance:**

CHH Timber has strict quality assurance processes in place to monitor that Pinex Verified adequately satisfies structural and visual requirements. Bureau Veritas has been contracted to undertake independent, third party auditing of the Machine Stress Grading processes at CHH Timber's structural mill sites. Independent audit inspections are carried out bi-annually and include:

- Audit of the Machine Stress Grading process and procedures
- Assessing the competence of personnel in relation to skills and knowledge requirements
- Verification of the calibration of testing equipment

CHH Timber also has quality assurance processes in place to monitor that its range of products satisfy the penetration and retention requirements for treatment in accordance with NZS 3640. Independent Verification Services (IVS) has been contracted to undertake independent, third-party auditing of CHH Timber's internal treatment processes at our treatment sites. Independent audit inspections are carried out bi-annually and include an audit of the treatment process and procedures. IVS also complete the verification of each treatment batch/charge for compliance with NZS 3640.

## **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.

CHH Timber takes its environmental responsibility seriously with each facility having waste handling procedures to optimise recovery and manage 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 saw patterns and log rounding 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. All waste product derived is assessed for downstream applications including bark, boiler fuel and/or sold for use in wood fibre products.

### **BIOMASS-FUELS**

CHH Timber Nelson sawmill actively uses waste material arising from processing activities as an important energy source to generate heat used in kiln drying of timber.

### **GEOTHERMAL ENERGY**

Where possible, CHH takes advantage of the opportunity to use earth's natural resources. Located near one of New Zealand's geothermal energy fields, CHH Timber Kawerau sawmill utilises geothermal energy as part of its kiln drying process.

### **ENVIRONMENTAL PRODUCT DECLARATION (EPD)**

The CHH Timber 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 CHH Timber EPD**

<https://chhwoodproducts.co.nz/assets/CHHTimberEPDCurrent.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 the ESG Report -**

<https://chhwoodproducts.co.nz/assets/CarterHoltHarveyESGReportCurrent.pdf>

#### **FSC® AND SUSTAINABILITY ACCREDITATIONS**

CHH Timber sources logs from sustainably managed plantation forests, and has the Forest Stewardship Council® (FSC®) Chain of Custody certification (FSC® C011498 and FSC® C021357). This measure provides a formal assurance that gives CHH Timber's customers confidence about its sustainability credentials. CHH Timber's products can be supplied with a FSC certificate on request.

#### **View And Download Certificates**

[https://chhwoodproducts.co.nz/assets/CHHTimberFSC\\_CertificateNelsonCurrent.pdf](https://chhwoodproducts.co.nz/assets/CHHTimberFSC_CertificateNelsonCurrent.pdf)

[https://chhwoodproducts.co.nz/assets/CHHTimberFSC\\_CertificateKawerauMillCurrent.pdf](https://chhwoodproducts.co.nz/assets/CHHTimberFSC_CertificateKawerauMillCurrent.pdf)

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

#### **View and download Carter Holt Harvey's Wood & Wood Fibre Procurement Policy –**

<https://chhwoodproducts.co.nz/assets/Uploads/CHH-Environmentally-Responsible-Wood-Wood-Fibre-Policy-Current.pdf>

#### **Service Life:**

Pinex Verified 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 current Pinex Specification and Installation Guide are satisfied, and Pinex Verified is installed in accordance with the specifications and installation details described in NZS 3604.

#### **Product Support:**

CHH Timber provides extensive product support for our full range of wood based building products. By visiting [www.chhwoodproducts.co.nz](http://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. In addition to this CHH Timber have a team of Technical Experts available to assist with any product enquiries. You can contact the team by calling 0800 746 399 or by emailing [info@woodproducts.co.nz](mailto:info@woodproducts.co.nz)

#### **Legal Disclaimer:**

The information contained in this document is current at the published date and is based on data available to CHH Timber at the time of going to print. CHH Timber 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 746 399 or visit [www.chhwoodproducts.co.nz](http://www.chhwoodproducts.co.nz) to obtain current information.

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