

PARALLEL LAMINATED TIMBER BPIR DECLARATION

**Woodspan (PLT) Parallel Laminated Timber
Class 2**

**BPIR DECLARATION
Version 1.0 November 2023**

PRODUCT INFORMATION

Woodspan manufacture Parallel Laminated Timber (PLT) products from pre-treated laminated blanks made from NZ grown Radiata Pine. Woodspan process products for use as beams, posts, floor panels, roof panels, decking boards, or other structural components.

Woodspan manufactures these components from the laminated timber banks in accordance to approved design & engineering details & specifications.

Product name: Woodspan PLT

Product line: Parallel Laminated Timber

Product identifier: WS8-90, WS8-117, WS8-140, WS10-90, WS10-117, WS10-140, GL8, GL10

TYPICAL PRODUCTS

Product	Size
PLT Floor and Roof Panels	up to 7200mm long up to 890mm wide 90mm, 117mm and 140mm thick
PLT Glulam Beams and Posts	up to 7200mm long up to 890mm wide 90mm, 117mm and 140mm thick
PLT Glulam Decking	up to 6000mm long 210mm or 310mm wide 65mm or 90mm thick

RELEVANT BUILDING CODE COMPLIANCE

When used in building work Woodspan laminated products contribute to building work in respect of B1 (structure).

Treatment, finger jointing & laminating is carried out by certified suppliers in accordance with: AS/NZS 1328:1998 (Part 1). Glued Laminated Structural Timber, and AS 5068.2006 (R2016). Timber Finger Joints in Structural Products.

The mentioned PLT products are offered in a range of sizes, both standard and custom, in different appearance and visual grades, and manufactured to meet the client's and engineer's specific requirements.

Subject to application, these can be supplied as untreated, treated to H3.1 (LOSP), H3.2 (MCA), or H4 (MCA) with structural properties described by GL8 or GL10.

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NZ Building Code	Compliance statement	Demonstrated by
B1 Structure B1.3.1 B1.3.2 B1.3.3 (a,b,c,f,i,j,m,q) B1.3.4 (a,b,c,d,e)	VERIFICATION METHOD B1/VM1 AS/NZS 1170:2002 set AS/NZS 1328:1998	Grade Right NZ Ltd. <i>Grade Verified Engineered Wood Product QA Programme</i> . [01/08/2020]. Grade Right NZ Ltd. <i>Member Certificate Producer Grade Verified Structural Timber</i> . [31/03/2019].
B2 Durability B2.3.1 (a) B2.3.2 (a)	ACCEPTABLE SOLUTION B2/AS1	Lamina treated to NZS3640:2003 prior to lamination. Grade Right NZ Ltd. <i>Treat Right QA programme</i> . [31/03/2019] NZS 3602:2003 (para 107.3) requires compliance with AS/NZS 1328:1998.
C6 Fire C6.2 C6.3	VERIFICATION METHOD B1/VM1 NZS 3603:1993	C/AS2 – C/AS6 notes that B1.3.3 (c), (i) requires that structural stability take account of vertical and horizontal loads, temperature & fire effects (para 4.3.2). NZS 3603: 1993 Section 9: Design for Fire Resistance.
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION. NZTPC Best Practice Guideline for the Safe Use of Timber Preservatives & Anti-sapstain Chemicals. Establishes drying & flash off requirements.	Taranakipine is part of Grade Right Timber Treatment programme.

Woodspan Parallel Laminated Timber products are not subject to a warning or ban under section 26.

SCOPE AND CONDITIONS OF USE

Scope	Limitations
Location: In any wind zone or calculated wind pressure (ULS).	Specific design required for fixing capacity where the wind zone is greater than extra high or the ULS is greater than 2.1 kPa.
In all exposure zones, excluding microclimates as defined in NZS 3604:2011.	Fastening materials to be in accordance with NZS 3604:2011.
In all seismic zones.	

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Scope	Limitations
Building: In conjunction with a primary structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work.	
In all hazard classes up to and including H5.	The treatment level must be appropriate to the relevant hazard class.
As a diaphragm where specifically designed.	The design of connections to bracing elements is subject to specific design.
In applications where NZ Building Code Clause C6 (structural stability) obligations apply.	The use of Woodspan PLT Panels, columns & beams is subject to specific design by a fire engineer.
Woodspan PLT Panels may be used with floor loadings up to 5.0kPa.	Specified fixings to meet floor loadings and floor panel thickness.

INSTALLATION

Ensure fixing and finishing is in accordance with the plans and specifications and all requirements of a design professional. Woodspan PLT Panels should be screwed down immediately after placement, including panel to panel jointing and fixing of PLT to support structure.

MAINTENANCE

Primarily Woodspan PLT is used as a structural member and is concealed by floor and ceiling linings. In these situations, no additional finishings or coating system is required. In situations where PLT is exposed, a suitable coating system (paint, oil, stain etc) should be applied and maintained as per manufacturer's instructions.

SUPPORTING DOCUMENTATION

The following additional documentation supports the above statements:
www.woodspan.co.nz/resources/BPIR/ > Supporting Documentation.pdf

CONTACT DETAILS

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