

Northlam posts and beams

Purpose

Northlam glulam post and beams are structural elements for use in commercial and residential building projects. They are supplied in four different treatment options: Untreated, H1.2, H3.2 and H5 to suit all applications.

Explanation

Northlam manufactures glulam timber products from New Zealand grown radiata pine. Glulam members are used in structural and decorative applications inside and outside residential and commercial buildings. They can also be used in a range of other areas including bridges, pergolas, and artistic applications.

Northlam posts and beams are produced from New Zealand grown radiata pine, primarily coming from Northland Forests which are known for producing some of the highest density timber in the country. The timber comes to us as rough sawn, pre-treated, kiln dried lumber which we then process. Our product is often finger jointed then laminated using polyurethane adhesive.

Our product can be supplied in different options as follows:

- Size up to: 630x270x14000
- Treatment: Untreated, H1.2 (boron), H3.2 (CCA), H5 (CCA)
- Finish:
 - Appearance grade A (Stain quality)
 - Appearance grade B (Paint quality)
 - Appearance grade C (Non-visual)
- Structural grade: GL8, GL10, GL12

Our product is manufactured in accordance with the following standards:

- AS/NZS 1328:1:1998. Glued laminated structural timber.
- AS 5068:2006. Timber finger joints in structural products.

Northlam's manufacturing and record keeping process is independently verified by Grade Right NZ Ltd. Who ensures we conform to the above standards.

Scope and limitations of use

Scope	Limitations
In all wind zones as defined in NZS 3604:2011	Must be designed to (NZS3604:2021). Or has had a specific engineered design carried out to (NZS3603:1993 or NZS AS 1720.1:2022)
In all exposure zones: Service class 1, 2 or 3	-Fixings must be in accordance with section 4 of (NZS 3604:2011) -Installer to have read and fully understand Northlam's Care and maintenance instructions
In all seismic zones	
As a direct replacement for SG8, SG10 and SG12 framing timber (or other equivalent)	Northlam beams must not be altered in width and height without consultation before hand
For use as in ground posts	In ground portion of post must be sealed prior to installation
For use in any residential or commercial building	Must be designed to (NZS3604:2021). Or has had a specific engineered design carried out to (NZS3603:1993 or NZS AS 1720.1:2022)

Compliance pathway

Northlam's product falls into the categories of both 'acceptable solution' and 'alternative solution'. The structure must be designed to NZS3604:2011 or have a specific engineered design (NZS3603:1993 or NZS AS 1720.1:2022).

Contributions to compliance

Code clause	Compliance statement	Evidence
B1 Structure: B1.3.1, B1.3.2, B1.3.3 (a,f,g,h,i,m,q) B1.3.4	-Verification method: B1/VM1 -Acceptable solution: B1/AS1	- Products manufactured to AS/NZS 1328:1:1998 and AS5068:2006 (3 rd party certified by Grade Right NZ Ltd)
B2 Durability: B2.3.1(a), B2.3.2(b)	-Acceptable solution: B2/AS1	-Products manufactured to AS/NZS 1328:1:1998 and AS5068:2006 (3 rd party certified by Grade Right NZ Ltd) -Lamella are treated to NZS3640:2003 (By others)
C6 Protection from fire:		-Specified in NZS3640:1993 -BRANZ study report 42 (1996) "Charring rates of timber"

For further information

Please visit our website Northlam.co.nz