

# Hyne I-Built™ 21c glue laminated beam

Product Technical Statement: 105435



For Bearers, Roof Beams, Rafters, Curves, and more, where strength and aesthetics are important

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## Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



Hyne I-Built™ confirms that this minimum level of assurance has been met or exceeded by the following:

Bureau Veritas

[Hyne Timber Glulam S Mark License - 2757](#)

## Technical Statement

### Product Description

Hyne Beam 21C has a superb record for strength and performance. Engineers have found Hyne Beam 21C can often replace steel, even when high loads need to be supported. Its hard wood makes it a popular choice for Architects and Designers who use it where support structures also need to be aesthetically pleasing.

### SIZES

- 65mm x 120, 155, 185, 215, 245, 280, 300, 315, 350, 380, 410mm.
- 85mm x 155, 185, 215, 245, 280, 300, 315, 350, 380, 410, 445, 475, 505, 535, 570, 600mm
- Custom sizes can be designed to suit special applications up to 800mm in depth.

**LENGTHS** 0.6m increments to 16.8m.

**GRADES:** I-Built Hyne Beam 21C is available in two grades in accordance with AS/NZS1328.1-1998.

- STR – Structural Grade or Appearance C - Mixed Hardwoods
- SEL – Select Grade or Appearance A - Spotted Gum. Forest Reds on Application. CURVED – Forest Reds Only

### Scope of use

Common uses include: Lintels, Bearers, Roof Beams, Rafters, Curves, Columns and Portal Frames where strength and aesthetics are important.

Manufactured from a minimum Durability Class 2 Timber Species for use in both internal applications or external, above ground, weather exposed applications.

Hyne 21C is manufactured from Spotted Gum is considered a Bushfire Resistant Timber in accordance with AS 3959-2009 up to and including BAL-29. If used in Weather Exposed Applications refer to Hyne Technical Data Sheets 5, 6, 8 and 9.

### New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.2, B2.3.2(b)

### Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

Hyne Timber's Glue Laminated Timber (GLT) has been independently certified by Bureau Veritas, a JAS-ANZ accredited third-party Certification Body, under their 'S' Mark Product Certification Scheme. The 'S' Mark is an Australasian stamp of assurance, confirming to the design and construction industry that Hyne Timber's GLT is audited and certified to the applicable Standard 'AS/NZS 1328.1:1998, Glue Laminated Structural Timber'.

### Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

Bureau Veritas

[Hyne Timber Glulam S Mark License - 2757](#)

## Product Criteria

### Design requirements

For Design Guidelines refer to:

[https://nzwoodproducts.co.nz/media/products/files/2014/2474\\_NZWood\\_Design\\_Guide\\_v16\\_2\\_LR\\_1.pdf](https://nzwoodproducts.co.nz/media/products/files/2014/2474_NZWood_Design_Guide_v16_2_LR_1.pdf)



**masterspec partner**

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## Installation requirements

For Installation requirements refer

to: [https://nzwoodproducts.co.nz/media/products/files/2014/2474\\_NZWood\\_Design\\_Guide\\_v16\\_2\\_LR\\_1.pdf](https://nzwoodproducts.co.nz/media/products/files/2014/2474_NZWood_Design_Guide_v16_2_LR_1.pdf)

## Maintenance requirements

Durability: Manufactured from a minimum Durability Class 2 Timber Species for use in both internal applications or external, above ground, weather exposed applications. Naturally resistant to termite attack. Hyne 21C manufactured from Spotted Gum is considered a Bush fire Resistant Timber in accordance with AS 3959–2009 up to and including BAL-29.

If used in Weather Exposed Applications refer to Hyne Technical Data Sheets 5, 6, 8 and 9. Application: Common uses include: Lintels, Bearers, Roof Beams, Rafters, Curves, Columns and Portal Frames where strength and aesthetics are important.

Storage / Installation: Hyne Beam 21 must be stored, installed and maintained as per the recommendations in Hyne Technical Data Sheets 5, 6, 8 and 9. The Hyne Technical Data Sheets can be downloaded from our website [nzwoodproducts.co.nz](http://nzwoodproducts.co.nz)

## Warrantees

If used in Weather Exposed Applications refer to Hyne Technical Data Sheets 5, 6, 8 and 9. Application: Common uses include: Lintels, Bearers, Roof Beams, Rafters, Curves, Columns and Portal Frames where strength and aesthetics are important.

## Company Product Information

### Environmental

PEFC Certified Product

### Relationships



Bureau Veritas 2757



Date last validated: **27 May 2021**



Date last updated: **27 May 2021**

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