

# Design Data

The tables herein have been designed according to the following loads:

Roof				
Dead Load		Live Load	Snow Load	Wind Load
Lighweight Roof	Ceiling	0.25 kPa Uniform	0.4kPa	High Wind (NZS3604:2011)
0.25 kPa	0.15 kPa	1.1 kN point load		

Floor			
Domestic Floor		Deck	
Dead Load	Live Load	Dead Load	Live Load
0.40 kPa	1.5 kPa Uniform	0.40 kPa	2 kPa Uniform
	1.80 kN Point Load		1.80 kN Point Load

Deflection Limits	
Lintel	Span / 300 or 12mm
Rafter	Span / 300 or 25mm
Bearer	Span / 300 or 12mm
Joist	Span / 350 or 20mm

## Notes

- 750mm eaves width has been included in the derivation of the tables.
- Spans are horizontal measurements. For heavy roofs or over 25° pitch roofs, use the Prolam® specifier.
- The span tables in this booklet do not apply to the bandsawn product. Use the Prolam® Specifier.

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## PRODUCER STATEMENT

Tasman Consulting Engineers Ltd have been engaged by Prowood to prepare span tables and charts for the Prolam® lintels, beams and posts as presented in the Prolam® Post and Beam Manual.

The design has been carried out using sound and widely accepted engineering principles to the requirements of AS/NZS1170:2002, NZS3603:1993 and NZS3604:2011 using the timber properties for PL8 and PL12 glue laminated timber.



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