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
1. 750mm eaves width has been included in the derivation of the tables.
2. Spans are horizontal measurements. For heavy roofs or over 25° pitch roofs, use the Prolam® Specifier.
3. The span tables in this booklet do not apply to the bandsawn product. Use the Prolam® Specifier.

November 2022

PRODUCER STATEMENT

TASMAN CONSULTING ENGINEERS
CIVIL & STRUCTURAL

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.

Tasman Consulting Engineers Limited
195 Queen St, PO Box 3631
Richmond, NELSON 7050

OLIVER GREEFF
BE(Civil) CMEngNZ (No.1158805) CPEng IntPE