

STANDARD GLULAM DIMENSIONS

Finished Size (mm)	Lengths (m)
140x90	(4.8/2.4) - (5.4/2.7) - (6.0/3.0) - (7.2/3.6)
210x90	(4.8/2.4) - (5.4/2.7) - (6.0/3.0) - (7.2/3.6)
250x90	(4.8/2.4) - (5.4/2.7) - (6.0/3.0) - (7.2/3.6)
295x90	(4.8/2.4) - (5.4/2.7) - (6.0/3.0) - (7.2/3.6)
340x90	(4.8/2.4) - (5.4/2.7) - (6.0/3.0) - (7.2/3.6)
380x90	(4.8/2.4) - (5.4/2.7) - (6.0/3.0) - (7.2/3.6)
425x90	(4.8/2.4) - (5.4/2.7) - (6.0/3.0) - (7.2/3.6)

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380x140	(4.8/2.4) - (5.4/2.7) - (6.0/3.0) - (7.2/3.6)
425x140	(4.8/2.4) - (5.4/2.7) - (6.0/3.0) - (7.2/3.6)

Structural grade

GL8
GL10 (on request)

Treatment

Untreated
H3.1 LOSP
H3.2 MCA *maximum length 6.0m*

Visual Grade

FJ5 - planer finish
FJ1 - planer finish
Pre primed

Packs or pieces
CNC machined connections



WOODSPAN CONTACT DETAILS:

P 027 445 5313

E jaredw@woodspan.co.nz

www.woodspan.co.nz

Woodspan PLT Glulam Physical Properties:

- Timber species: NZ grown Radiata pine
- Maximum size (finger jointed) 7200 x 890mm
- Depths: 90mm and 140mm
- Grade: GL8, GL10 (on request)
- Moisture: 8-14% (ex-factory)
- Adhesive: Purbond clear polyurethane
- Appearance: Visual & Non-visual
- Treatment: Untreated, or preservative treated to hazard class H3.1 or H3.2
- Surface protection: Painted or un-painted finish. Factory-applied water-based surface sealer is available on request.
- Joint strength group: J5
- Mass (Average Density = 450 kg/m³)
- Tolerances (ex-factory):
 - Width = +/-3.0mm
 - Depth = +/-1.0mm
 - Length = -0, +2.0mm
- Appearance grades: visual and non-visual

Property		WS8 (MPa)	WS10 (MPa) ¹
Modulus of Elasticity (average)	MoE	8000	10000
Bending Strength ^{2,3}	F'b	14.0	20.0
Compression Parallel ^{2,3}	F'c	18.0	20.0
Compression Strength (perp to grain) ^{1,3}	F'p	8.9	8.9
Tension Strength ^{1,3}	F't	6.0	8.0
Shear Strength ^{1,3}	F's	3.8	3.8

¹ WS10 Available on special request from Woodspan.

² Use $\phi = 0.8$ Material Strength Reduction Factor

³ Bending, tension, compression and shear parallel to grain is to be multiplied by K6 = 1.33 (as per NZS3603).