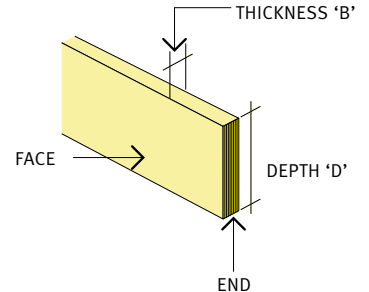


## hySPAN & hySPAN+ Specification

### Manufactured and Characterisation:

Manufactured, tested and characteristic values determined in accordance with AS/NZS 4357:2005 Structural Laminated Veneer Lumber. Design Characteristic Values determined in accordance with AS/NZS 4063.2:2010 Section 4.

<b>Veneer Species:</b>	Radiata Pine or Douglas Fir	
<b>Joints:</b>	Face	Scarf or lap
	Other	Scarf, lap or butt
<b>Density:</b>	560 – 650 kg/m <sup>3</sup>	
	Adhesive and bond: Phenolic adhesive. Type 'A' (marine) bond. Refer AS/NZS 2098 & AS 2754.	
<b>Finish:</b>	Unsanded faces and sawn edges	
<b>Quality Assurance:</b>	Third party audited process control and product certified	



## hySPAN traditional size range

hySPAN solutions range <sup>†</sup>			
35 mm	45 mm	63 mm	75 mm
Section Depth			
90	90	90	-
120	120	-	-
130	130	130	-
140	140	-	-
150	150	150	150
170	170	170	-
190	190	-	-
200	200	200	-
240	240	240	-
290	290	-	-
-	300	300	300
-	360	360	-
-	400	400	400
-	-	450	-
-	-	-	525
-	-	600	600

<span style="display:inline-block; width:15px; height:15px; background-color:#4F81BD; border:1px solid black;"></span> hySPAN+ (F17 graded LVL)	<span style="display:inline-block; width:15px; height:15px; background-color:#A9C9E9; border:1px solid black;"></span> hySPAN
<span style="display:inline-block; width:15px; height:15px; background-color:#003366; border:1px solid black;"></span> Available in both hySPAN+ and hySPAN	

<sup>†</sup>Available H2-S Termite Treated and Untreated

### Dimensions and Shape:

Length Tolerance	-10	+30 mm
Depth (<400)	-0,	+2 mm
Depth (>400)	-0,	+5 mm
Thickness		
hySPAN	-0,	+3 mm
hySPAN+	-2,	+3 mm
Spring & Bow	1/1000	
Squareness	< 1%	
Twist	(Length x Width) (3500 x Thickness)	

Cupping No Limit

<b>Moisture Content:</b>	7-15%
<b>Natural Durability:</b>	Class 4 refer AS 1684 -1999
<b>Treatment:</b>	Manufactured both untreated and H2-S treated. LOSP Treatment available through distributors
<b>Structural Design:</b>	AS 1720.1:2010 Timber Structures
<b>Capacity Factors (φ):</b>	Refer AS 1720.1:2010 tables 2.1 and 2.2 for Structural Laminated Veneer Lumber
<b>Joint Group:</b>	For bolts: JD3 For nails and screws: JD4 For nail-plates refer to nail plate manufacturer

**Intended application:** General beams on edge

For on flat specification or use call the CHH Woodproducts Market Support Service freecall 1800 808 131.

## Design Properties, Brand and Stress Grade

Brand & Stress Grade	Characteristic strength MPa					Modulus of Elasticity MPa (E)	Modulus of Rigidity MPa (G)
	Bending (f <sub>b</sub> ) <sup>1</sup>	Tension Parallel to Grain (f <sub>t</sub> ) <sup>2</sup>	Shear in Beams (f <sub>s</sub> )	Compression Parallel to Grain (f <sub>c</sub> )	Compression Perpendicular to Grain (f <sub>p</sub> )		
hySPAN	50 x (95/d) <sup>0.154</sup>	25	4.6	41	12	13200	660
hySPAN + F17	50 x (95/d) <sup>0.154</sup>	25	4.6	41	12	14000	700

<sup>1</sup> f<sub>b</sub> is the design characteristic value in bending for beams of depth, d (mm) where d > 95 mm. For depths less than 95 mm f<sub>b</sub> = 50 MPa.

<sup>2</sup> The tension strength above applies for tension members with depth, d (mm) not greater than 150 mm. For depths greater than 150 mm the design characteristic values are obtained by multiplying by (150 / d)<sup>0.167</sup>, where d is the largest dimension of the cross section.

Technical Support

**1800 808 131**

[chhwoodproducts.com.au/hyspan](http://chhwoodproducts.com.au/hyspan)