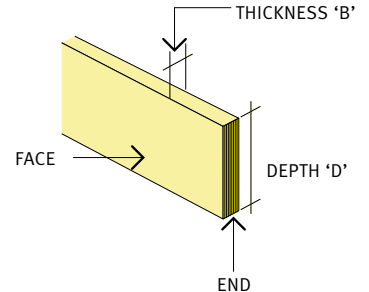


## hySPAN & hySPAN+ Specification

### 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>1</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>1</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

**Moisture Content:** 7-15%

**Natural Durability:** Class 4 refer AS 1684 -1999

**Treatment:** Manufactured both untreated and H2-S treated. LOSP Treatment available through distributors

**Structural Design:** AS 1720.1:2010 Timber Structures

**Capacity Factors (φ):** Refer AS 1720.1:2010 tables 2.1 and 2.2 for Structural Laminated Veneer Lumber

**Joint Group:** 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>c</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