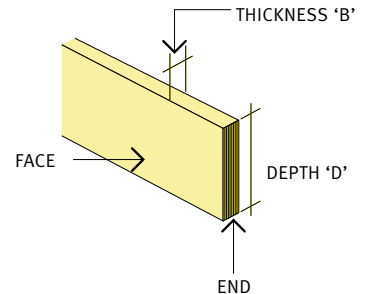


hySPAN & hySPAN+ Specification

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.

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



hySPAN traditional size range

hySPAN solutions range [†]			
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

 hySPAN+ (F17 graded LVL)	 hySPAN
 Available in both hySPAN+ and hySPAN	

[†]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 _b) ¹	Tension Parallel to Grain (f _t) ²	Shear in Beams (f _s)	Compression Parallel to Grain (f _c)	Compression Perpendicular to Grain (f _p)		
hySPAN	50 x (95/d) ^{0.154}	25	4.6	41	12	13200	660
hySPAN + F17	50 x (95/d) ^{0.154}	25	4.6	41	12	14000	700

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

² 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)^{0.167}, where d is the largest dimension of the cross section.

Technical Support
1800 808 131
chhwoodproducts.com.au/hyspan

