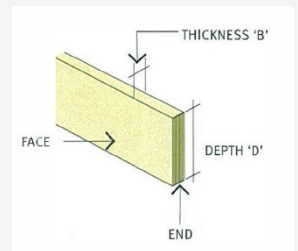


hySPAN® & hySPAN+® SPECIFICATION

MANUFACTURE AND CHARACTERISATION:

The hySPAN solutions range is manufactured and tested in accordance with AS/NZS 4357:2005 Structural Laminated Veneer Lumber. Design Characteristic Values have been determined in accordance with AS/NZS 4063.2:2010 Section 4.

Veneer Species:	Radiata Pine
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® Solutions size range¹

Section Breadth (mm)			
35	45	63	75
Section Depth (mm)			
-	70	-	-
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	300
-	360	360	-
-	-	400	400
-	-	450	-
-	-	-	525
-	-	600	600

¹ Available H2-S Termite Treated

hySPAN+/hySPAN
hySPAN+
hySPAN

DIMENSIONS AND SHAPE:

Length Tolerance	-10, +30mm
Depth (<400)	-0, +2mm
Depth (>400)	-0, +5mm
Thickness	-0, +3mm
Spring & Bow	1 / 1000
Squareness	< 1%
Twist	$\frac{\text{Length} \times \text{Width}}{3500 \times \text{Thickness}}$
Cupping	No Limit

Moisture Content:	7-15%
Natural Durability:	Class 4 refer AS 5604-2005
Treatment:	Manufactured H2-S treated. LOSP Treatment available through distributors AS 1720.1:2010 Timber Structures
Structural Design:	Refer AS 1720.1:2010 tables 2.1 and 2.2 for Structural Laminated Veneer Lumber
Capacity Factors (Ø):	For bolts: JD3 For nails and screws: JD4 For nail-plates refer to nail plate manufacturer
Join Group:	General beams on edge
Intended application:	

Design properties, brand and stress grade (on edge)

Brand & Stress Grade	Characteristic strength (MPa)					Modulus of Elasticity (MPa) (E)	Modulus of Elasticity (MPa) (G)
	Bending (f _b) ¹	Tension Parallel to Grain (f _t) ²	Shear in Beams (f _s)	Compression parallel to Grain (f _c)	Bearing Perpendicular to Grain (f _p)		
hySPAN	$50 \times (95/d)^{0.154}$	30	4.6	42	12	13200	660
hySPAN + FI7	$52 \times (95/d)^{0.154}$	30	4.6	48	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 95mm 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 the design characteristic values are obtained by multiplying by $(150/d)^{0.167}$, where d is the largest dimension of the cross section.
3. For characteristic properties on flat specification contact Carter Holt Harvey LVL Ltd.

STANDARDS AND QUALITY

hySPAN® and hySPAN+® is manufactured in a fully quality controlled process to meet the requirements of AS/NZS 4357 for structural LVL. Quality control is independently audited and product quality certified by the Engineered Wood Products Association of Australasia (EWPAA). The EWPAA is accredited for Product Certification by the government established Joint Accreditation System of Australia and New Zealand (JAS-ANZ). A high level assurance of quality is an important consideration where safety and reliable performance must be guaranteed

DISCLAIMER

The technical data provided in this publication apply only for hySPAN and hySPAN+. No basis whatsoever exists for claims that the data provided for hySPAN and hySPAN+ applies equally to lookalike substitution products. Use of the hySPAN and hySPAN+ data for substitution products may be unsafe or result in unsatisfactory performance.

The information contained in this document is current as of February 2020 and is based on data available to Carter Holt Harvey (CHH) LVL Ltd trading as Futurebuild LVL at the time of going to print. Futurebuild LVL reserves the right to change the information contained in this literature without prior notice.

It is important that you call 1800 808 131 to confirm that you have the most up to date information available or refer to www.fblvl.com.au

Futurebuild LVL has used all reasonable endeavors to ensure the accuracy and reliability of the information contained in this document. This information does not replace professional advice and we recommend that professional advice should be obtained specific to your circumstances. To the extent permitted by law, Futurebuild with not be liable for any inaccuracies, omissions or errors in this information nor for any actions taken in reliance on this information.

QUESTIONS? WHO TO CONTACT?

Contact the Carter Holt Harvey LVL team:

Phone: 1800 808 131 | **Email:** info@fblvl.com.au

For comprehensive technical literature or to learn more about the full Futurebuild LVL range visit www.fblvl.com.au