

SMART10[®]



Smart10 LVL: For Superior Wall Framing Systems

Smart10 is manufactured for superior performance in all wall system applications, providing exceptionally straight and strong walls.

Smart10 is proven to:

- Significantly reduce the packing and planing of walls
- Save build time and reduce labour costs

Smart10 Features:

- Smart10 is available in long lengths without restrictions
- Range of widths providing superior properties and characteristics to MGP10
- Adhesive rating: A Bond
- Emissions: E0
- H2S Treated for Termites

SmartFrame Warranty

SmartFrame has a warranty that covers all SmartFrame EWP products.

SmartFrame Engineered Wood Products (EWP) are warranted to be free from material and workmanship defects and will perform as specified when stored, installed, and finished according to published installation instructions.

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to download



SMARTFRAME[®]
POWERED BY INNOVATION

Sales 1800 33 77 03
Technical 1300 66 86 90
www.tilling.com.au

**The Ultimate
Renewable**



AUSTRALIAN
TRUSTED
TRADER

SMART 10[®]



Comprehensive Range

Smart10 offers a comprehensive range:

35mm Width

70 | 90 | 120 | 140 | 170 | 190 | 240 | 290

45mm Width

70 | 90 | 120 | 140 | 190 | 240 | 290 | 300

Refer to your relevant state sales team for available sizes and lengths.



Certified

Smart10 is third party product certified by a JAS-ANZ accredited body as being manufactured in conformance with AS/NZS 4357 structural laminated veneer lumber.



H2O Shield[®]

Short-term Water Repellent

Smart10 comes with a clear short-term water repellency. H2O Shield is a high penetrating water-based surface treatment formulated to repel rain during storage and construction.



Treatment Options

Smart10 products are H2S treated as standard for protection against termite attack in areas South of the Tropic of Capricorn. Post production H2 and H3 treatments are available on request.

Stress grade	Section size		Characteristic values, MPa									
	Depth	Breadth	Average modulus of Elasticity parallel to the grain	Bending (2)	Tension parallel to grain (3)	Compression parallel to grain	Shear in beam	Bearing perpendicular to the grain	Tension perpendicular to grain	Design Density	Joint Group	
	mm	mm	(E)	(f' _b)	(f' _t)	(f' _c)	(f' _s)	(f' _p)	(f' _⊥)	(kg/m ³)		
Smart10 LVL	70 to 90			36.0	25							
	120	35	10000	34.3	25	28	4.2	10	0.5	580	JD4	
	140	and		33.5	25							
	190	45		31.8	24							
	290			29.6	22.4							
MGP 10	70 to 140			17	7.7	18	2.6					
	190	35	10000	16	7.1	18	2.5	10	0.5	500	JD5 ⁽¹⁾	
	240	and		15	6.6	17	2.4					
	290	45		14	6.1	16	2.3					
MGP 12	70 to 140			28	12	24	3.5					
	190	35	12700	25	12	23	3.3	10	0.5	540	JD4	
	240	and		24	11	22	3.2					
	290	45		22	9.9	22	3.1					

1. If heart excluded, Joint Group is JD4
2. For beams with a depth greater than 90 mm, f'_b has been multiplied by (90/d)^{0.167} where d is the depth of the member
3. For tension members with the larger cross sectional dimension exceeding 150 mm, f'_t has been multiplied by (150/d)^{0.167} where d is the larger cross sectional dimension of the tension number



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