SMART10 ®

SMARTLVL STUDS & PLATES · H2S TREATED · STRONGER · CONSISTENT · STRAIGHTER · CERTIFIED

SMARTFRAME® Smart10

Smart10 LVL Timber Framing System

- Smart10 LVL Timber Wall Framing System, for use as studs and plates.
- Profiles: 90x35, 90x45 in 2.4, 2.7, 5.4, 6.0 (70x35 QLD only) (120x35 WA only).
- Third party certified to meet AS/NZS 4357.0.
- Adhesive rating: A Bond   Emissions: E0.
- Smart10 is H2S treated - SmartGuard treatment H2 & H3 is available on request.

Smart10 LVL Strength Properties:		SMART10®	MGP 10[1]
Stiffness: Average Elastic Modulus - Edge	E MPa	10,000	10,000
Bending - Edge	f'_b MPa	36[2]	17
Tension parallel to grain	f'_t MPa	25[3]	7.7
Compression parallel to grain	f'_c MPa	28	18
Compression perpendicular to grain - Edge	f'_p MPa	10	10
Compression perpendicular to grain - Flat	f'_p MPa	10	10
Shear	f'_s MPa	4.5	4.2
Density	ρ kg/m³	580	550
Joint Group for hanger design (Nails & Bolts)		JD4	JD5[4]

(1) Depths 70 to 140 mm

(2) For beams with a depth greater than 90 mm, multiply 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 multiply by (150/d)0.167 where d is the larger cross-sectional dimension of the tension member

(4) JD4 may be used if heart in material is excluded

SMARTFRAME®
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PEFC
PEFC/21-31-206

The Ultimate Renewable™

AUSTRALIAN TRUSTED TRADER

Tilling

Tilling Design Resources

SmartDesign Centre

Design Services, Technical, and Engineering Support.

Contact our dedicated engineering technical support services team for accurate, timely and professional advice regarding your construction project.
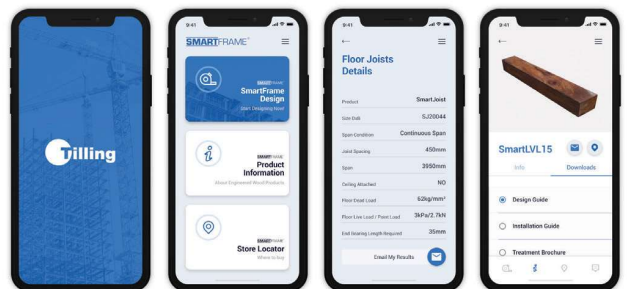
The SmartDesign Centre provides:
- Full engineering support on all SmartFrame Engineered Wood Products.
- Free SmartFrame floor plan designs from building plans, via your local Timber Merchant.
- Structured SmartFrame software training program for external users.
- Certification of engineering designs to relevant state building acts and regulations.

Technical Support:
1300 668 690
techsupport@tilling.com.au

Email building plans to:
SmartDesign Administration
smartdata@tilling.com.au

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SmartFrame Warranty