

# SMART 10<sup>®</sup>



## Smart10 LVL Timber Framing System

- Smart10 LVL Timber Wall Framing System, for use as studs and plates.
- Profiles: 90x35, 90x45 in 2.4 to 6.0 (70x35 QLD only).
- Third party certified to meet AS/NZS 4357.0 - CMI ProdCert PC101.
- Adhesive rating: A Bond Emissions: E0.
- Smart10 is H2S treated - SmartGuard treatment H2 & H3 is available on request.

### Smart10 LVL Strength Properties:

		<b>SMART 10<sup>®</sup></b>	<b>MGP 10<sup>(1)</sup></b>
Stiffness: Average Elastic Modulus - Edge	E MPa	10,000	10,000
Bending - Edge	$f^b$ MPa	36 <sup>(2)</sup>	17
Tension parallel to grain	$f^t$ MPa	25 <sup>(3)</sup>	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	$\rho$ kg/m <sup>3</sup>	580	550
Joint Group for hanger design (Nails & Bolts)		JD4	JD5 <sup>(4)</sup>

(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

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The SmartDesign Centre provides:

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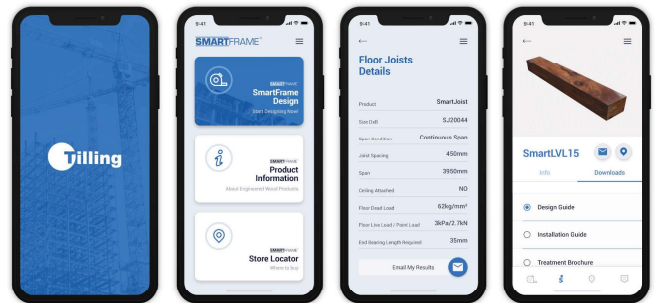
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