

SMARTFRAME[®]

POWERED BY INNOVATION

SmartEdge[®]

SmartEdge is a lightweight laminated veneer lumber, engineered wood product utilised in concrete construction



FRECALL 1300 668 690

www.tilling.com.au

SmartEdge®



Technical Details

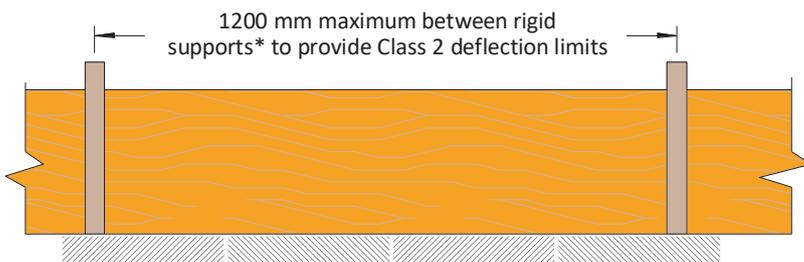
Timber Strength Properties:

Bending - Flat	f'_b	38	MPa
Compression Perpendicular to grain - Flat	f'_p	4.2	MPa
Shear - Flat	f'_s	2.7	MPa
Average Elastic Modulus – Flat	E	10,000	MPa
Average Modulus of Rigidity	G	500	MPa
Average Density	ρ	500	kg/m ³
Moisture Content		12-15%	

Depth (mm)	Thickness (mm)	Pieces/pack	Length (m)
100	36	90	6.0
150	36	63	6.0
200	36	45	6.0
240	36	36	6.0
300	36	27	6.0

Consult your local technical representative for more information

Vertical Support spacing



* The 1200 mm MAXIMUM spacing shown adjacent is SOLELY based upon the SmartEdge material properties, and subject to fully rigid vertical restraints the deflection of the SmartEdge between supports would meet the Class 2 deflection limit.

The development of sufficient strength and stiffness of ANY support structure for SmartEdge forms is outside the scope of this document, and should be designed by a suitably qualified and experienced Structural Engineer.



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The cross lamination of the layered veneers provides a protective mechanism preventing an active capillary effect on the inside wall, reducing the magnitude of cupping



Produced from sustainable timber, and harvested from certified plantations, SmartEdge is not only a straight and true uniformly consistent edging, it is also an environmentally friendly composite timber product.

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