



e-frame [floor]® engineered LVL floor frame

Wesbeam e-frame [floor] is an engineered solution for traditional subfloor framing.

Purpose engineered e-frame [floor] has greater strength and uniformity than sawn timber, and is comparatively lighter, making it safer and easier to handle. e-frame [floor] is termite treated providing a robust barrier to termite attack in above ground applications.

e-frame [floor] specification

- e-frame [floor] is manufactured from structural laminated veneer lumber in accordance with AS/NZS 4357
- e-frame [floor] is termite treated to e2S (codemark certified for Termites & Borers for use in the geographical area South of the Tropic of Capricorn).

Features

- Engineered for straightness and consistent performance
- Termite treated
- Longer lengths to minimise wastage
- High strength yet lighter and safer to handle
- Arrised edges for safer and more comfortable handling
- Manufactured from sustainably sourced timber
- Available ex-stock
- Manufactured in Australia by a wholly owned Australian Company
- Wesbeam has full Chain of Custody aligned with the Australian Forestry Standard (AFS) – AS4707



E-FRAME [FLOOR] SPAN TABLES

Floor Joists

Supporting Floor Loads Only

Joist Section Size D x B (mm)	Floor Joist Spacing (mm)					
	300		450		600	
	Span	Cant.	Span	Cant.	Span	Cant.
100 x 45 Maximum Single Span and Cantilever (m)	2.30	0.6	1.85	0.5	1.80	0.5
100 x 45 Maximum Continuous Span and Cantilever (m)	3.00	0.6	2.20	0.5	2.10	0.5

1 Bearing length for joists to be not less than 35mm at end supports or 70mm at interior supports for continuous spans

Bearers

Supporting Floor Loads Only

Bearer Section Size D x B (mm)	Floor Load Width 'FLW' (m)					
	1.2	1.8	2.4	3.6	4.8	6.0
100 x 63 Maximum Single Span (m)	1.95	1.70	1.55	1.35	1.20	1.10
100 x 63 Maximum Continuous Span (m)	2.45	2.15	1.95	1.65	1.40	1.25

Sheet Roof and Ceiling

Supporting Single or Upper
Storey Load Bearing Walls

(N3 Wind Classification)

Bearer Section Size D x B (mm)	Sheet Roof and Ceiling											
	Floor Load Width 'FLW' (m)											
	1.2				2.1				3.0			
	Roof Load Width 'RLW' (m)											
	1.8	3.0	4.2	5.4	1.8	3.0	4.2	5.4	1.8	3.0	4.2	5.4
100 x 63 Maximum Single Span (m)	1.55	1.45	1.40	1.30	1.40	1.30	1.25	1.25	1.25	1.25	1.20	1.15
100 x 63 Maximum Continuous Span (m)	2.10	1.95	1.85	1.75	1.85	1.80	1.70	1.65	1.70	1.65	1.60	1.55

Tile Roof and Ceiling

Supporting Single or Upper
Storey Load Bearing Walls

(N3 Wind Classification)

Bearer Section Size D x B (mm)	Tile Roof and Ceiling											
	Floor Load Width 'FLW' (m)											
	1.2				2.1				3.0			
	Roof Load Width 'RLW' (m)											
	1.8	3.0	4.2	5.4	1.8	3.0	4.2	5.4	1.8	3.0	4.2	5.4
100 x 63 Maximum Single Span (m)	1.40	1.25	1.15	1.10	1.30	1.20	1.10	1.05	1.20	1.10	1.05	1.00
100 x 63 Maximum Continuous Span (m)	1.85	1.70	1.55	1.45	1.70	1.60	1.50	1.40	1.60	1.50	1.40	1.35

2 Bearing length for bearers to be not less than 45mm at end supports or 90mm at interior supports for continuous spans

SPECIFICATIONS

Veneer

Thickness	Constant through the product thickness
Species	Softwood and hardwood
Joints	Outer 2 plies are scarf jointed Inner plies – scarf and/or butt jointed

Moisture Content

8% – 15% (at time of despatch)

Dimensional Tolerances

Available on request

Straightness

Available on request

Density

650 kg/m³ (approximately)

Adhesive

Phenolic – AS 2754.1

Bond

Type A – AS/NZS 2098.2

Joint Group

JD4 – for nails, bolts and screws

Finish

Unsanded faces, sawn edges and arrised edges

Branding

Each piece of Wesbeam LVL is branded at least once with the product name for identification and evidence of compliance with manufacturing control standards

Storage

Store on level bearers at maximum 1800mm centres well clear of the ground, and cover to keep dry but allow ventilation

Source

Sustainably sourced timber certified to AS 4707

Condition

e2S (CodeMark Certified for Termite & Borers resistance for use in the geographical locations in the South of the Tropic of Capricorn)



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