



## e-batten®

engineered LVL roof batten

### e-batten engineered LVL roof battens to support metal sheeting.

e-batten is fully engineered to perform consistently. They are designed to support metal sheeting under dynamic and static loads. Manufactured in lengths of 6.3m, e-batten reduces wastage of material and time.

#### Features

- Engineered straightness and performance
- Termite treated and guaranteed for 25 years against termite attack when used South of the Tropic of Capricorn

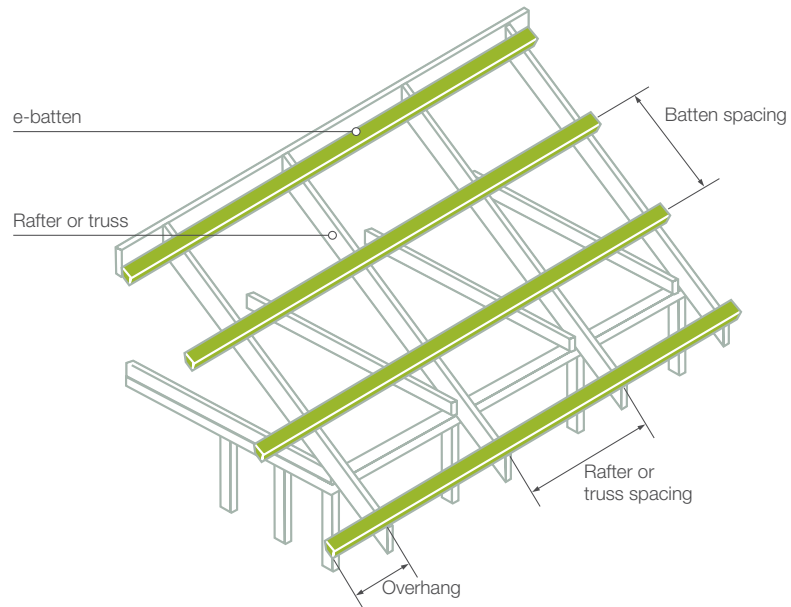
- Arrised corners for safer and easier handling
- Manufactured in lengths of 6.3m to align with truss and rafter spacing
- Manufactured from sustainably sourced timber veneers
- Fully supported by e-house software
- Manufactured in Australia by a wholly owned Australian company
- Wesbeam has full Chain of Custody aligned with the Responsible Wood (RW) Certification Scheme and Program for the Endorsement of Forest Certification (PEFC)



## e-batten specification

e-batten is manufactured from structural laminated veneer lumber in accordance with AS/NZS4357 series - Structural laminated veneer lumber. e-batten span tables are engineer designed and certified to comply with AS1720.1:2010 - Timber structures, Part 1: Design methods, AS1720.3:2016 Timber structures, Part 3: Design criteria for timber-framed residential buildings, AS1170 series - Structural design actions, and AS4055:2012 - Wind loads for housing N1/N2/N3/N4 wind locations.

e-batten is termite treated to e2S Hazard Class.



### Span Table

e-batten size (mm x mm)	e-batten weight (kg/m)	Wind Location	Rafter Spacing (mm)	Max. e-batten spacing (continuous member) (mm) <sup>(1)</sup>	Max. Overhang (mm)
35 x 65	1.5	N1, N2	900	900 (nail fixings) 1200 (screw fixing)	350 350
		N3, N4	900	800 (edge area) 900 (general area)	300 300

<sup>1</sup> Sheet roof manufacturer's specifications may require smaller batten spacings than listed in the table.

### Installation

- e-battens should only be walked on at support points
- Bearing lengths at end and internal supports for continuous members shall not be less than 35mm

**Fixings of e-batten to Roof Rafters** (refer to e-batten installation guide)

#### N1 and N2 Wind Locations

- Sheet roof areas within 1.2m of all edges – use Type 17 Roof Screws only
- General sheet roof areas – use Type 17 Roof Screws or 2/75mm long x 3.75ø deformed shank nails

#### N3 and N4 Wind Locations

- All sheet roof areas – use Type 17 Roof Screws only

#### Manufacture

Manufactured in accordance with AS/NZS 4357

#### Veneer

Thickness	Constant through the product thickness
Species	Sustainably sourced timber
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/m<sup>3</sup> (approximately)

#### Adhesive

Phenolic – AS2754.1:2016 - Adhesives for timber and timber products; Adhesives for manufacture of plywood and laminated veneer lumber (LVL)

#### Bond

Type A – AS/NZS2098.2:2012 - Methods of tests for veneer and plywood; Bond quality of plywood (chisel test)

#### Joint Group

JD4 – for nails, bolts and screws

#### Finish

Unsanded faces, sawn edges and arised edges

#### Branding

Each piece of e-batten 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 AS4707:2014 - Chain of custody for forest products

#### Treatment 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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