



e-pink 
engineered pre-primed LVL exposed beams



MII No. 613

e-pink LVL is an engineered solution for exposed beams in stick roof construction. e-pink beams can be used in , garages, car ports, verandahs, alfresco and entry areas to the residence.

e-pink beams offer the greatest flexibility in the design of beams in residences that are located above ground and exposed to the elements.

e-pink beams are delivered to site pre-primed to provide a defect free surface ready to top coat without any further preparation. All e-pink beams are also treated to a H3 Hazard Level providing lasting protection against termites and other wood boring insects and fungal decay in above ground exposed applications. The pre-primed coating used by Wesbeam ensures the beams dimensional stability for length, depth and width, strength and straightness.

e-pink LVL Features Include:

- Engineered for straightness and consistent performance
- High strength yet lighter and safer to use
- Pre primed and free of defects ready to top coat without any further preparation
- Arrised edges for safer and more comfortable handling
- Available ex-stock
- Manufactured from 100% certified plantation timber
- Treated for applications in above ground exposed applications
- Fully supported by Wesbeam e-house software
- Manufactured in Australia by a wholly owned Australian Company
- Wesbeam has full Chain of Custody approvals aligned with the Australian Forestry Standard (AFS) – AS 4707 and Program for the Endorsement of Forest Certification (www.pefc.org)

e-pink LVL Specification

- Wesbeam has full Chain of Custody approvals aligned with the Australian Forestry Standard (AFS) – AS 4707 and Program for the Endorsement of Forest Certification (www.pefc.org)
- Treated to H3 Hazard Level in accordance with AS/NZS 1604.4 to provide lasting protection against fungal decay and termites and other wood boring insects

e-pink LVL Beam Sizes

Beam Depth 'D' (mm)	Beam Width 'B' (mm)
198	60
238	60
298	60

e-pink Span Tables

Wind Classification N3

Limits on deflection
 Dead Load – Span/400 or 10mm max.
 Live Load – Span/250 or 12mm max.
 Wind Load – Span/200

Garage/Car Port/Verandah/Alfresco/Entry Beams

Single Span

e-pink Beam Section D x B (mm)	Roof Mass (kg/m ²)	Single Span					
		Roof Load Width "RLW" (m)					
		0.6	1.2	1.8	2.4	3.0	3.6
		Maximum Span (mm)					
198 x 60	20	5.4	5.0	4.5	4.2	3.8	3.5
	40	4.8	4.4	3.9	3.5	3.2	3.0
	60	4.2	3.8	3.3	3.0	2.8	2.5
	90	4.0	3.5	3.0	2.8	2.6	2.3
238 x 60	20	6.1	5.6	5.1	4.8	4.5	4.1
	40	5.6	5.0	4.5	4.2	3.9	3.6
	60	5.0	4.4	4.0	3.8	3.5	3.2
	90	4.6	4.2	3.7	3.3	3.0	2.7
298 x 60	20	7.2	6.5	6.0	5.6	5.2	4.8
	40	6.4	5.8	5.3	5.0	4.6	4.2
	60	6.0	5.4	4.8	4.5	4.2	3.9
	90	5.5	4.9	4.5	4.1	3.8	3.5

Continuous Span

e-pink Beam Section D x B (mm)	Roof Mass (kg/m ²)	Continuous Span					
		Roof Load Width "RLW" (m)					
		0.6	1.2	1.8	2.4	3.0	3.6
		Maximum Span (mm)					
198 x 60	20	6.7	6.2	5.6	5.2	4.8	4.4
	40	6.0	5.4	4.9	4.5	4.1	3.7
	60	5.4	4.9	4.5	4.2	3.9	3.6
	90	4.9	4.5	4.1	3.7	3.3	3.0
238 x 60	20	7.6	7.0	6.4	6.0	5.6	5.2
	40	6.8	6.2	5.6	5.2	4.8	4.4
	60	6.3	5.7	5.2	4.8	4.4	4.0
	90	5.7	5.2	4.7	4.4	4.1	3.8
298 x 60	20	8.7	8.1	7.4	7.0	6.6	6.2
	40	8.0	7.2	6.6	6.2	5.8	5.4
	60	7.3	6.6	6.0	5.6	5.2	4.8
	90	6.8	6.1	5.5	5.1	4.8	4.5

Notes:

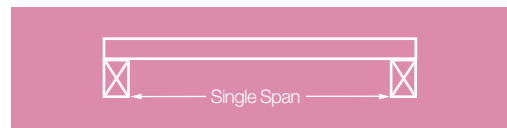
- Splay detail to one end only permissible
- All sections with depth to breadth ratio greater than three must be laterally restrained against rollover at mid-span, strutting points and at supports as per AS1684.1
- Bearing lengths at end supports shall not be less than 65mm
- Beams cut, notched or drilled must have remedial protection applied to the exposed surfaces to protect the H3 treatment barrier.

e-pink Beam Spans

The design span of an e-pink LVL beam is measured as the distance between the faces of the beam supports. **DO NOT** use the centreline to centreline measurement or the length of the e-pink beam as the design span.

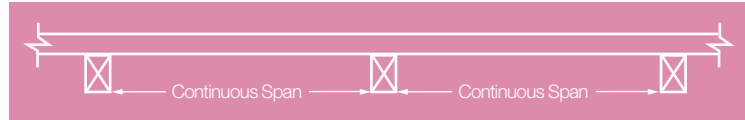
Single Span

The span of a member supported at or near both ends with no immediate supports. This also applies where members are partially cut through over intermediate supports to remove spring.



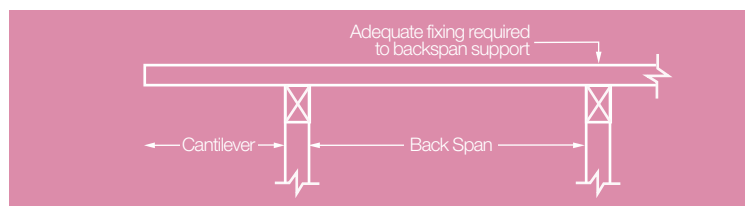
Continuous Spans

Consider the e-pink LVL beam as a continuous span if Span 1 (Major) is not greater than 2 times Span 2 (Minor). If Span 1 is greater than 2 times Span 2 consider the beam as a single span.



Cantilever Spans

It is permissible to cantilever an e-pink LVL beam. The max. allowable cantilever is 25% of the main e-pink LVL beam span.



e-pink Site Protection

Wesbeam e-pink LVL beams need to be protected from surface and/or end checking due to cyclic climatic changes caused by the elements while the beams are stored on site, during construction and after final installation:

This can be achieved by:

- Covering the LVL beams while stored on site
- Applying a full protection system within 30 days after construction is completed to maintain optimum serviceability, appearance and dimensional stability.

H3 Treatment Guarantee

Wesbeam e-pink LVL beams are H3 treated using a Protim® LOSP treatment manufactured by Koppers Performance Chemicals - Australia. Koppers offer a guarantee for Protim® LOSP treated outdoor wood products, including Wesbeam e-pink LVL beams.

Where e-pink LVL beams are cut, notched, drilled or rebate to suit site conditions, all exposed areas must be resealed with a suitable resealing product such as Protim® Solignum XJ Clear Timber Protective (XJ Clear) available from authorised Wesbeam distributors. Refer to the Wesbeam Technical Information Sheet - Guidelines for the Remedial Treatment of Preservative Treated Wesbeam LVL and e-joists for more information.

A copy of the Koppers Performance Chemicals - Australia guarantee for Protim® LOSP treated outdoor wood products can be obtained at <http://www.kopperspc.com.au>

specification

Veneer

Thickness	Constant through the product thickness
Species	Plantation 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/m³ (approximately)

Adhesive

Phenolic – AS 2754.1

Bond

Type A – AS/NZS 2098.2

Joint Group

JD3 – for nails, bolts and screws

Finish

Pre-primed to provide a defect free surface ready to top coat without any further preparation. Edges arised.

Branding

Each piece of Wesbeam LVL is branded as 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

Plantation timber certified to AS4707-2006/PEFC

Condition

Treated to H3 Level as per AS/NZS 1604.4

