

technical information sheet

Treatment of LVL

Wesbeam's Engineered Laminated Veneer Lumber (LVL) can be treated to ensure high durability and continued high performance in various environmental conditions. The standard treatment for most Wesbeam LVL products is e2S, providing termite protection. However, upon request, LVL can also be supplied untreated, treated to H2 LOSP or treated H3 LOSP for specific applications.

Treatment Levels

Treatment Level	Service Conditions	Typical Residential Housing Applications
Untreated – no termite or fungicide treatment	Inside, above ground. Completely protected from the weather, well ventilated, and protected from termites.	Internal wall, roof, and floor framing, where treatment against termites is not required. e.g. floor bearers, floor joists, lintels, rafters
e2S – termite protection only (CodeMark Certified glue-line treatment)	Inside, above ground. Completely protected from wetting and well ventilated. For use in locations South of the Tropic of Capricorn only.	Internal wall, roof and floor framing, where treatment against termites is required. e.g. floor bearers, floor joists, lintels, rafters
H2 – termite protection only	Inside, above ground. Completely protected from wetting and well ventilated. For use in all geographical locations in Australia	Internal wall, roof and floor framing, where treatment against termites is required e.g. floor bearers, floor joists, lintels, rafters
H3 – termite and fungicide protection	Outside, above ground. Subject to periodic moderate wetting. For use in all geographical locations in Australia	Internal and external and above ground applications. e.g. balcony beams, deck bearers and joists, external rafters etc.

Treatment Specifications

At Wesbeam's manufacturing facility, the glue-line treatment and in-house LOSP treatments used in Wesbeam LVL are provided by Koppers chemicals. Koppers' treatments are designed to offer long-lasting protection against termites, decay, and borers, ensuring the durability and structural integrity of the LVL in various environmental conditions.

e2S Treatment

This is a CodeMark certified glue-line treatment, providing protection against termites and borers in internal, above-ground applications.

CodeMark® is a voluntary building product certification scheme designed and managed by the Australian Building Codes Board (ABCB). Products which carry CodeMark® stamp of approval are guaranteed to comply with or exceed the National Construction Code (NCC) performance requirements.

To achieve CodeMark® certification, Wesbeam's innovative treatment processes must be strictly audited by third-party experts and checked annually. This rigorous, independent assessment is the guarantee of treatment compliance, quality and performance for any Wesbeam product bearing the CodeMark® stamp.

To view Wesbeam's CodeMark® Certificate, [click here](#).

H2 LOSP and H3 LOSP Treatments

These treatments are pressure-treated in accordance with the 'AS/NZS 1604 Preservative-treated wood-based products' series. They protect against termites, decay, and borers, and are ideal for different environmental exposures, from internal dry environments to external, above-ground applications subject to moderate wetting.

Koppers Treatment Warranty information

For more detailed information on the treatment warranties, please refer to the official warranty documentation provided by Koppers by [clicking here](#).

Exposure Classifications

Above the Tropic

Inside, above ground, —————> **H2 (LOSP)**
protected from wetting

Outside, above ground, —————> **H3 (LOSP)**
subject to moderate wetting and leaching

Below the Tropic

Inside, above ground, —————> **H2S/H2F/e2S***
protected from wetting

Outside, above ground, —————> **H3 (LOSP)**
subject to moderate wetting and leaching



e2S / H2S

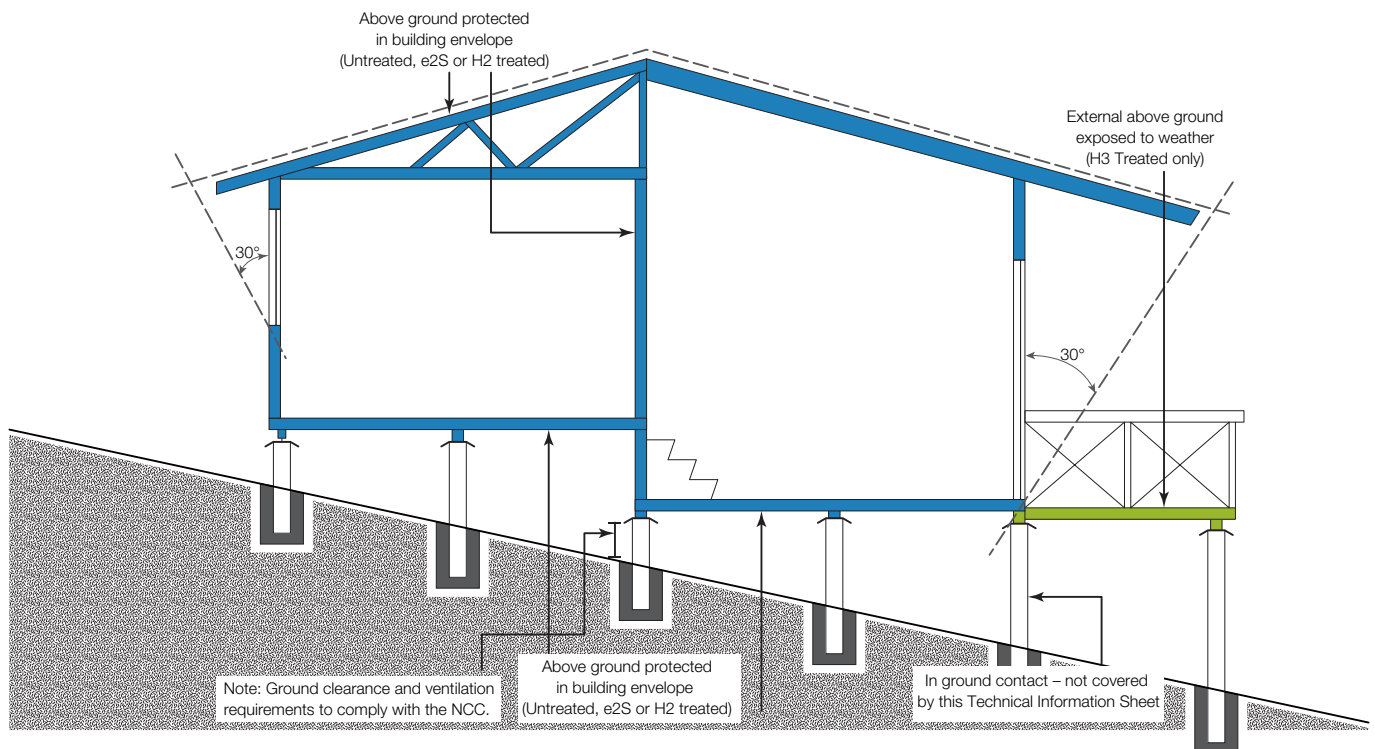
Glue-line treatment of LVL, where the preservative treatment is within the gluelines bonding each veneer of the LVL together.

H2 (LOSP)

H2 LOSP treatment, applied to the LVL as an envelope treatment by a certified Preservative Treatment Facility.

H3 (LOSP)

H3 LOSP treatment, applied to the LVL as an envelope treatment by a certified Preservative Treatment Facility.



NOTES

1. External timbers are regarded as protected if they are covered by a roof projection (or similar) at 30° to the vertical and they are well detailed and maintained (painted or strained and kept well ventilated).
2. Framing in extremely damp or unventilated locations should have the durability required for external above-ground situations.

FIGURE B1 SPECIES SELECTION FOR DURABILITY



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WESTERN AUSTRALIA

190 Pederick Road
Neerabup | WA | 6031
E sales.wa@wesbeam.com

QUEENSLAND

3 Bult Drive
Brendale | QLD | 4500
E sales.qld@wesbeam.com

SOUTH AUSTRALIA

200 Cavan Road
Dry Creek | SA | 5094
E sales@wesbeam.com

VICTORIA

Rear | 35 Greens Road
Dandenong South | VIC | 3175
E sales.vic@wesbeam.com

NEW SOUTH WALES

8-24 Dunheved Circuit
St Marys | NSW | 2760
E sales.nsw@wesbeam.com

TECH HOTLINE

T 1300 356 460