

## Guidelines for the Remedial Treatment of Preservative Treated Wesbeam LVL and e-joists

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### Treated in accordance with AS/NZS1604.4:2012 Specification for preservative treatment – Part 4: Laminated veneer lumber (LVL)

These guidelines apply to:

- H2S preservative treated LVL and e-joists manufactured by Wesbeam at its Neerabup mill,
- H2 preservative treated LVL and e-joists and H3 preservative treated LVL treated by Wesbeam at its Neerabup treatment facility, or
- preservative treated LVL and e-joists by a 3rd party treatment facility.

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### Wesbeam Manufactured LVL and AS/NZS1604.4:2012

Wesbeam LVL is manufactured using veneers from Australian sourced plantation timbers. Wesbeam e-joists are manufactured using a H2S bifenthrin treated LVL top and bottom flange and a H2S treated structural web.

AS/NZS1604.4:2012 specifies the level of penetration for sapwood and non-termite-resistant heartwood veneers for the different Hazard Levels:

- H2S (termite treatment for areas South of the Tropic of Capricorn) – penetrations levels specified for both glueline treatment or as a spray envelope treatment
- H2 (termite treatment for all geographical areas of Australia) – penetrations levels specified for an envelope treatment
- H3 (fungicide and termiticide treatment for all geographical areas of Australia) – penetrations levels specified for an envelope treatment

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### Hazard Class H2S Preservative Treated LVL and e-joists

H2S preservative treated LVL and e-joists are suitable for:

- use only South of the Tropic of Capricorn
- areas protected from wetting, and are internal and above ground applications in residential construction
- protection against borers and termites only

H2S preservative treated LVL and e-joist LVL flanges manufactured at the Wesbeam Neerabup facility uses Determite™ insecticide, a bifenthrin based timber preservative, either as a glueline treatment or as a spray envelope treatment which meets the H2S Specification requirements of AS1604.4.

The Osmose Warranty provided to Wesbeam for bifenthrin treated LVL does not require the application of a remedial treatment for H2S spray envelope preservative bifenthrin treated LVL for any fresh cut surfaces such as cutting to length or drilling for services holes.

It should be noted that the Osmose Warranty provided to Wesbeam for H2S spray envelope preservative bifenthrin treated LVL **does not** cover any such treated LVL that has been rip-sawn, re-sized, had its original dimensions altered in any way or requires additional machining. All such LVL must be re-treated with an approved remedial preservative treatment. The treatment must be applied to all fresh-cut surfaces to repair the treatment envelope.

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## Guidelines for the Remedial Treatment of Preservative Treated Wesbeam LVL and e-joists

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### Hazard Class H2 Preservative Treated LVL and e-joists

H2 preservative treated LVL and e-joists are suitable for:

- use in all geographical locations in Australia
- areas protected from wetting, and are internal and above ground applications in residential construction
- protection against borers and termites only

H2 preservative treated LVL is normally treated at Wesbeam's own treatment facility or at a 3rd party treatment facility using untreated Wesbeam manufactured LVL. Note: H2S preservative treated LVL and e-joists manufactured at the Wesbeam Neerabup facility can also be H2 preservative treated.

All freshly cut surfaces of H2 preservative treated LVL and e-joists must be treated with an approved remedial preservative treatment to repair the treatment envelope.

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### Hazard Class H3 Preservative Treated LVL

H3 preservative treated LVL is suitable for:

- use in all geographical locations in Australia
- periodic moderate wetting, external and above ground applications in residential construction
- protection against moderate decay, borers and termites only

H3 preservative treated LVL is normally treated at Wesbeam's own treatment facility or at a 3rd party treatment facility using untreated Wesbeam manufactured LVL. Note: H2S preservative treated LVL manufactured at the Wesbeam Neerabup facility can also be H3 preservative treated.

All freshly cut surfaces of H3 preservative treated LVL must be treated with an approved remedial preservative treatment to repair the treatment envelope.

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### Applications Where Preservative Treatments cannot be used for LVL and e-joists

The following applications are where Wesbeam manufactured LVL and e-joists cannot be treated or used:

- No Wesbeam manufactured LVL or e-joist can be Copper Chrome Arsenic (CCA) treated
- Wesbeam H2S treated e-joists cannot be treated to Hazard Level H3
- Wesbeam e-joists cannot be used in external above ground situations (Hazard Level H3)

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### Advisory Note – Envelope Penetration Preservative Treatments

Customers purchasing Wesbeam treated LVL and e-joist products need to be advised that AS/NZS1604.4:2012 requires where the preservative treatment is envelope penetration– H2S spray, H2 and H3 – such LVL and e-joist treated products need an application of a remedial preservative treatment to protect the integrity of the treatment envelope. The advisory note to customers applies to the following:

- H2S spray envelop treated LVL, where the product has been rip-sawn, re-sized, or had its original dimensions altered in any way – all cut surfaces require a remedial preservative treatment
- H2S treated e-joists – all cut surfaces, where cut to length or the web drilled for service holes, require a remedial preservative treatment
- H2 and H3 treated LVL and H2 treated e-joists – all cut surfaces require a remedial preservative treatment

No advisory note is required for:

- H2S spray envelop treated LVL – where the product has been cut to length and drilled for service holes only
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### Approved Remedial Preservative Treatments

There are a number of approved remedial preservative treatments available in the market. Such approved treatments include:

- Protim Solignum XJ Clear Timber Protective (XJ Clear).
- Arch Lonza Tanalised® Enseal Clear or Tanalised® Ecoseal

Application rates for the remedial preservative treatment shall be as per the manufacturer's recommendations for the relevant Hazard Level – H2S, H2 or H3.

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### Osmose Australia Treatment Guarantee

A copy of the Osmose Australia Treated Products Guarantee for all preservative treatment levels for LVL and e-joists – H2S, H2 and H3 – can be found at:

[http://www.osmose.com.au/pdfs/Osmose%20GENERIC%20Guarantee%205\\_12\\_2012.pdf](http://www.osmose.com.au/pdfs/Osmose%20GENERIC%20Guarantee%205_12_2012.pdf)

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