



PRESERVATIVE
TREATED WESBEAM LVL
AND E-JOISTS:
TREATMENT LEVELS
AND GUIDELINES FOR
REMEDIAL TREATMENT



PRESERVATIVE TREATED WESBEAM LVL AND E-JOISTS: TREATMENT LEVELS AND GUIDELINES FOR REMEDIAL TREATMENT

Wesbeam LVL and e-joists

Wesbeam LVL is manufactured using veneers from sustainably sourced Western Australian timber.

Wesbeam LVL is available in the following treatment levels:

- e2S preservative treated LVL manufactured by Wesbeam at the production facility in Neerabup, WA.
- H2 preservative treated LVL treated by Wesbeam at its Neerabup treatment facility.
- H3 preservative treated LVL treated by Wesbeam at its Neerabup treatment facility.

Wesbeam LVL can also be treated by a third party treatment facility.

Wesbeam e-joists are manufactured using Wesbeam LVL top and bottom flanges, with an oriented strandboard (OSB) structural web, manufactured in accordance with European Standard EN300.

Wesbeam e-joist is available in the following treatment levels:

- e2S preservative treated LVL flanges / termite treated OSB web, as manufactured by Wesbeam at the production facility in Neerabup, WA.
- H2 preservative treated e-joist treated by Wesbeam at its Neerabup treatment facility.

Wesbeam e-joist can also be treated by a third party treatment facility.

NOTE: Wesbeam e-joists cannot be treated to Hazard Level H3, and cannot be used in external above ground applications.

Specification for Preservative Treatment

Wesbeam LVL and e-joist products are treated in accordance with the following:

- For e2S preservative treated LVL and e-joist flanges:
CodeMark certified treatment process for glue-line treated LVL
- For H2 externally treated LVL and e-joist:
AS/NZS 1604.4:2012 - Specification for preservative treatment – Part 4: Laminated veneer lumber (LVL)
- For H3 externally treated LVL:
AS/NZS 1604.4:2012 - Specification for preservative treatment – Part 4: Laminated veneer lumber (LVL)

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

e2S Preservative Treated LVL and e2S/Termite Treated e-joist

e2S 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

e2S preservative treated LVL and e-joist LVL flanges manufactured at the Wesbeam Neerabup facility uses DeterMite® insecticide, a bifenthrin based timber preservative glue-line treatment supplied by Koppers Performance Chemicals Australia.

e2S treated LVL and e2S/termite treated e-joists do not require the application of remedial treatment when ripped, cut, notched, splayed or drilled for service holes.

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 and e-joist is normally treated at Wesbeam's own treatment facility or at a 3rd party treatment facility using untreated Wesbeam manufactured LVL. The treatment process is an envelope treatment using a Light Organic Solvent Preservative (LOSP).

NOTE: e2S preservative treated LVL and e2S/termite treated 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.

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. The treatment process is an envelope treatment using a Light Organic Solvent Preservative (LOSP).

NOTE: e2S 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.

Applications where Preservative Treatments cannot be used for 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 e2S/termite treated e-joists cannot be treated to Hazard Level H3
- Wesbeam e-joists cannot be used in external above ground situations (Hazard Level H3)

Approved Remedial Preservative Treatments

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

- Protim Solignum® XJ Timber Protective - Clear
- Lonza Tanalised® Enseal – Clear
- Lonza Tanalised® Ecoseal

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

Koppers Performance Chemicals Australia – Treatment Guarantee

A copy of the Koppers Performance Chemicals Australia treated products guarantee (including DeterMite® bifenthrin used in e2S treated LVL, and LOSP used in H2 and H3 treated LVL) can be found at:

www.kopperspc.com.au/pdfs/koppers-wood-product-warranty.pdf



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ABN 89 004 268 017
WESB0434 August 2020

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