



Subfloor construction in laminated veneer lumber (LVL)
on “a northern community” 2009-10 (NIHG Safety structural safety)

Handling the materials on site

From the *Manufacturers specification:*

Storage

The following recommendations regarding storage are made in order to ensure that the full benefits of hySPAN as a dry, straight and true material are available at the time of installation.

Stack on level bearers to keep flat and straight. Stack well clear of the ground for good ventilation.

Store under cover to keep dry prior to installation.

From *Timber building in Australia*

Where LVL products are likely to be exposed for some time during construction, it is recommended that they be coated with a water repellent preservative. Alternatively, they can be protected by wrapping in plastic until the roof covering is in place.

Australian Standards

AS/NZS 1328.1:1998

Glued laminated structural timber
- Performance requirements and minimum production requirements

AS/NZS 1328.2:1998

Glued laminated structural timber
- Guidelines for AS/NZS 1328:
Part 1 for the selection, production and installation of glued laminated structural timber

AS/NZS 4357.0:2005

Structural laminated veneer
lumber - Specifications
Section 2.8 Storage and
Handling

Wet season material storage
on “a northern community”





A

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A = warping,
B = splitting
C = de-lamination

B



A+C

Termite management

Australian Standards

AS 3660 (Set)

Termite management

AS 3660.2-2000

Termite management - In and around existing buildings and structures

AS 3660.3-2000

Termite management - Assessment criteria for termite management systems

A4 Structural Safety

Ensure:

if using timber, that termite-resistant timbers and mechanical termite barriers are used throughout the construction

B6.6 Termites

Whole section set expectation to protect against termites through design detailing and maintenance.

Ensure:

the house is designed according to AS 3660 *Termite management*...

...houses with suspended floors have a minimum clearance of 600mm above ground to allow safe inspection and the sub-floor space is well ventilated and can easily be accessed.

From the Manufacturer Treatment for Durability

hySPAN H2-S Terminator is available in all sizes and is part of the Carter Holt Harvey Terminator range.

hySPAN H2-S ***Terminator is treated against termites south of the Tropic of Capricorn.*** The treatment is applied to the glueline during manufacture to achieve full termite protection to the core of the beam. No further sealing is required on cut ends, holes or notches.

Other treatment levels are available from suppliers on request, but treatment is limited to above ground use.

hySPAN cannot be readily treated for in ground contact applications.

A piece of sub floor material cut and left in the ground for 6 weeks on



No ant barriers apparent



“a northern community”