

m³ Laminated veneer lumber (LVL)

Laminated veneer lumber (LVL) is a manufactured timber product made from thin veneers of timber bonded together under heat and pressure. Unlike plywood, the grain is oriented in the same direction. LVL is stronger and can span further than traditional timber members. It has excellent dimensional stability, reliability and strength.

LVL can be made from smaller varieties of trees, usually unsuitable for large structural members. Veneers are bonded together using bonding agents that cure at high temperatures, such as phenol formaldehyde.

LVL members are excellent for long spanning structural purposes, and are commonly used for lintels, beams, purlins and trusses.

Category *Timber products*

Type *Manufactured timber product*

Functional unit *m³*

Specific heat *1 800 J/(kg·K)*

Density *510 kg/m³*

Common uses

Long spanning structural members, lintels, beams, purlins, trusses

Process name

Glued laminated timber, indoor use, at plant/RER U/AusSD U

Input-output sector

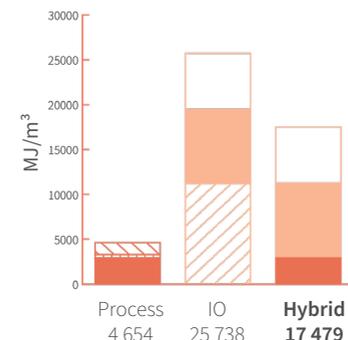
Other Wood Product Manufacturing

Further information

doi.org/10.26188/5da55571d9d31

TOP THREE INPUTS

- 23.8% Road Transport
- 2.4% Polymer Product Manufacturing
- 2.3% Wholesale Trade

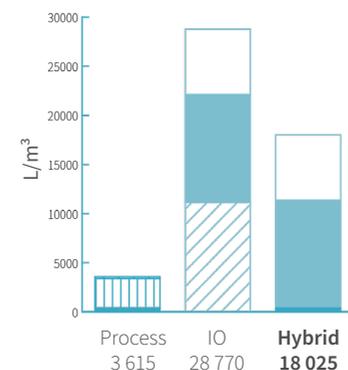


ENERGY

17 479 MJ/m³

TOP THREE INPUTS

- 3.8% Water Supply, Sewerage and Drainage Services
- 2.7% Wholesale Trade
- 2.3% Road Transport

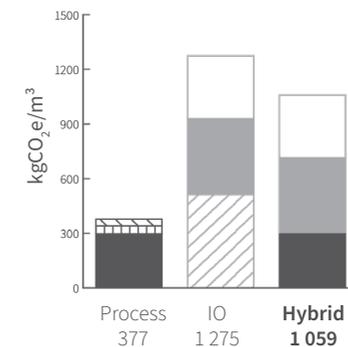


WATER

18 025 L/m³

TOP THREE INPUTS

- 12.4% Road Transport
- 2.1% Wholesale Trade
- 1.9% Other Fabricated Metal Product manufacturing



GREENHOUSE GAS EMISSIONS

1 059 kgCO₂e/m³

