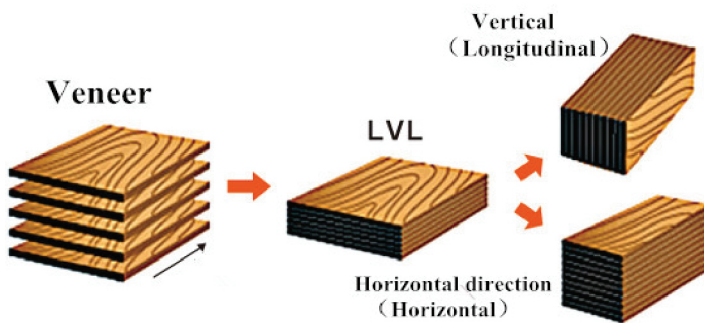


# Laminated Veneer Lumber (LVL)

Laminated Veneer Lumber is an assembly of veneers laminated with adhesive, in which most of the veneer grains direction is in the longitudinal direction.



## Applications

- ☑ Frame and truss application
- ☑ As lintels and beams
- ☑ Ideal alternative to solid lumber when used for highload applications such as headers, beams, rails, rimboards and edge-forming material
- ☑ Door component
- ☑ Cabinet components
- ☑ Furniture industry
- ☑ Structural framing for residential and commercial construction
- ☑ Pitched rafters
- ☑ Floors Joists
- ☑ LVL Strip

## Advantages

- ✓ The numerous veneers result in LVL being a very stable product with excellent bending resistance and mean that the natural defects of solid section timber. eg: twisting, bowing & splitting are minimized
- ✓ Stronger, straighter and more uniform than solid timber, less prone to shrinking or warping, can support heavier loads and span longer distances than normal timber
- ✓ Cost effective and sustainable building material, delivering high structural reliability and strength

Product Name: **SY e-lumber**

| Property   | Common Specification   | Applicable Standards       |
|--|--|----------------------------|
| Thickness  | 3.6mm - 80mm   |                            |
| Sheet Size   | Width: 25mm - 1250mm, Length: Up to 12m  |                            |
| Glue Type  | Phenol Formaldehyde Resin (PF) /<br>Melamine Urea Formaldehyde Resin (MUF) /<br>Urea Formaldehyde Resin (UF)                       |                            |
| Wood Material  | Hardwood Species / Planted Tree Material / PEFC Certified Material   |                            |
| Formaldehyde Level   | F★★★★ / F★★★<br>Super E0 / E0 / E1   | JAS for LVL<br>AS/NZS 4357 |
| Density  | High Density: 750-850kg/m <sup>3</sup><br>Medium Density: 500-600kg/m <sup>3</sup>   |                            |
| Surface Grades   | G1 / G2 / G3   | JAS for LVL                |
| Resistance to Water  | Type 2<br>Type A Bond<br>WBP / T1MR / T2MR   | JAS for LVL<br>AS/NZS 4357 |
| Bending Strength   | Design based on request  |                            |
| Preservative Treatment<br>(Glue Line / Pressure Treatment) | 1. Cyphenothrin Treatment<br>2. Cypermethrin Treatment<br>3. Bifenthrin Treatment<br>4. ACQ Treatment (Alkaline Copper Quaternary) |                            |

\*Relevant and appropriate products requirement is available upon request