

LVL Timber

Structural Laminated Veneer Lumber (LVL15)



***PLEASE NOTE THAT WE SOURCE OUR LVL TIMBER FOR COMMERCIAL PROJECTS ONLY.**

OVERVIEW

- A high strength engineered timber product formed by assembling thin sheets of wood, known as veneers and bonding them together with adhesive.
- LVL has been tested to have comparable strength to solid timber, concrete and steel.
- Its unique characteristics can be seen in the medium to large sized markings and grains of each laminate.
- Grains and markings can vary from light to dark tones depending on which species is used.

DURABILITY

Durability Class 4
 Plantation Softwood
 Available in H3 treated
 Available straight only

PROPERTY

Moisture Content (MC)
 Modulus of Elasticity (E)
 Bending Strength (Fb)
 Shear Strength (Fs)
 Compression Strength (Fc)

REDUCTION IN STRENGTH AT % OF MC

14%	16%	18%	20%	22%	24%
3.3	6.5	9.7	12.7	15.6	18.4
8.4	16.1	23.1	29.6	35.5	40.9
6.6	12.8	18.6	24.0	29.0	33.7
11.0	20.7	29.4	37.2	44.1	50.2

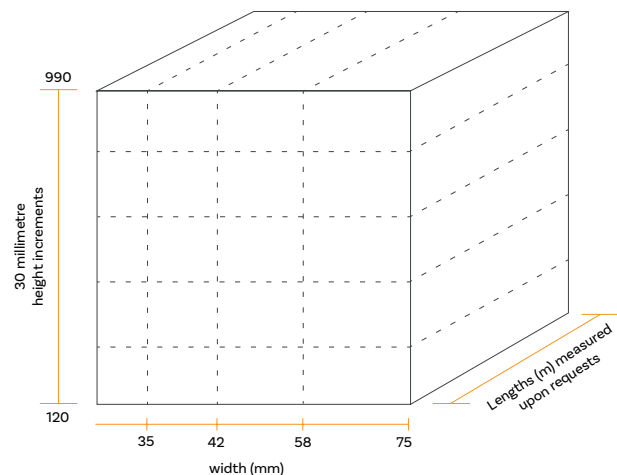
*The design properties of LVL can therefore be considerably reduced by severe increase in moisture content of the LVL.

SIZES*

Standard sizes are based on timber width (mm) and height (mm) measurements. Lengths (m) can be measured to any desired length within reason and upon request. Vicbeam can manufacture measurements outside standard sizes upon request.

W X H (Standard sizes)

35	x	120, 150, 180, 210, 240, 270, 300, 330, 360, 390, 420
42	x	120, 150, 180, 210, 240, 270, 300, 330, 360, 390, 420, 450, 480, 510, 540, 570, 600
58	x	120, 150, 180, 210, 240, 270, 300, 330, 360, 390, 420, 450, 480, 510, 540, 570, 600
75	x	120, 150, 180, 210, 240, 270, 300, 330, 360, 390, 420, 450, 480, 510, 540, 570, 600



Orders or Enquiries

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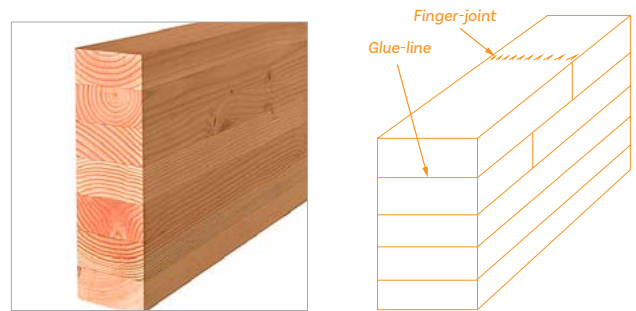
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LVL or GLT

Laminated Veneer Lumber or Glue-Laminated Timber

Vicbeam can supply both LVL and GLT, which are engineered wood products that offer superior strength performing properties. Below is a brief description to help you choose which product best suits your project.



LVL

Laminated Veneer Lumber is a high strength engineered timber product formed by assembling thin sheets of wood, known as veneers and bonding them together with adhesive. A cost-effective product using 3mm thin laminates, which is dried and glued back together to any length and desired shape.

Applications

LVL can be used in structural applications such as portals, roof trusses, roof purlins, walls, flooring and ceilings.

Performance

LVL is comparable in strength to solid timber, concrete and steel. Although its durability is, in part, based on the species of wood used and structural purposes. LVL standard maximum length is 13.2 metres and height of 450 millimetres. Custom sizes are available.

Availability

LVL is durable among structural applications and is only available straight.

GLT

Glue-Laminated Timber is an engineered timber product manufactured by gluing together seasoned timber which are typically finger-jointed into continuous lengths. A high-quality product available in softwood and hardwood laminates, which are glued and clamped together under constant pressure.

Applications

GLT can be used in structural applications such as portals, roof trusses, roof rafters/purlins and pergola structures. It also allows wider design possibilities in decorative applications.

Performance

GLT is stronger than solid timber, and its strength and performance predictions are usually very reliable based on the species used and structural purposes. GLT is custom made up to 18+ metres in length and 1.2+ metres in height.

Availability

GLT is durable across a wide range of applications and is available straight, cambered or curved.

View all of our projects at www.vicbeam.com.au

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