

LVL by Stora Enso

T Grade



LVL by Stora Enso (laminated veneer lumber) is a high-quality, value-added wood product suitable for a wide range of structural applications. Thanks to its layered construction, LVL is a strong material that combines consistent quality and dimensional stability with excellent load-bearing capacity – while also keeping environmental aspects in mind.

Benefits

- Most modern production technology
- High strength properties
- Dimensional stability and accuracy
- Effortless processing
- Efficiency throughout the value chain
- The wood supply chains are certified according to PEFC™ and/or FSC® Chain of Custody system

The essential benefits of LVL are derived from the choice of raw material used and the manner of production: logs are rotary peeled into 3mm thick veneers and bonded together under heat and pressure. Every sheet of veneer is individually measured in terms of density, moisture content and modulus of elasticity to optimise the product performance.

In T-grade products, the grain direction of the veneer layers is longitudinal. The T grade's advantages include dimensional accuracy, lack of warping and structural rigidity. That makes the T grade an ideal solution for applications where dimensional stability and straightness, as well as a light weight, are required. A typical application is wall studs for internal walls.

Standard dimensions

39x66, lengths 2550-6000
39x92, length 6000

Other dimensions on request.

Produced and monitored according to the harmonised standard EN 14374

Property	Symbol	Unit	Design values
Bending strength edgewise	$f_{m,0,k}$	N/mm ²	27
Size effect parameter	s	N/mm ²	0.15
Bending strength flatwise	$f_{m,flat,k}$	N/mm ²	32
Tension, parallel	$f_{t,0,k}$	N/mm ²	24
Compression, parallel	$f_{c,0,k}$	N/mm ²	26
Modulus of elasticity	$E_{0,mean}$	N/mm ²	10.000
	$E_{0,k}$	N/mm ²	8.800
Density	ρ_{mean}	kg/m ³	440
	ρ_k	kg/m ³	410



Contact your nearest Stora Enso sales person and ask for further information

Stora Enso, Division Wood Products
www.storaenso.com/lvl