METRIX TIMBER

E13.2 H2S Ultralight LVL

Only the best 3mm veneers are picked and used in Ultralight 13 LVLs. Bonded with treated WBP phenolic glue, the ultralight LVLs are stong and lightweight, ready for any types of construction projects.

Features

- Up to 30% lighter than other LVLs
- Compliance with AS/NZS4357
- Lab tested H2S treatment for your ease of mind

0415 567 962
sales@metrixtimber.com.au

ABN: 24 656 817 140
Metrixtimber.com.au

Metrix Timber LVL E13 Material Property Verification

Metrix Timber conducted a statistical examination of E13 LVL, aligning with AS/NZS 4063.1 and AS/NZS 4063.2 standards. The aim was to establish characteristic design parameters for application in designs compliant with AS 1720.1.

Metrix E13 LVL, a structural LVL, adheres to AS/NZS 4357.0 specifications and is crafted from a blend of timber species. It is distributed in Australia by Metrix Timber. A comprehensive analysis of testing data, representing a broad sample, was conducted to derive the characteristic design values outlined in Table below:

Characteristic Limit States Design Stresses and Elastic Modulus

Property		Edge (Mpa)	Flat (Mpa)
Modulus of Elasticity	E	13200	13200
Modulus of Shear Rigidity	G	660	660
Bending	f_b^1	61.6	48.7
Tension Parallel to Grain	f_t^1	33	-
Compression Parallel to Grain	f_c	33	-
Shear in Beams	f_s	5.8	4
Bearing Perpendicular to Grain	f_p	12	3.7
Joint Group	(Nails & Screws)	JD 4	JD 4
	(Bolts)	JD 3	JD 3
Strength Group		SD6	SD6
Density (kg/m3)	ρ	580-640	-

Additional notes accompany the provided information:

For beams surpassing 95mm in depth, the published characteristic value for bending should be multiplied by (95/d)^0.154, where d represents the depth of the beam.

In the case of tension members with the largest cross-sectional dimension surpassing 150mm, the published characteristic value for tension should be multiplied by (150/d)^0.167, where d denotes the largest cross-sectional dimension of the tension member.