# DINDAS LVL 12

## LAMINATED VENEER LUMBER

PRODUCT SHEET

### Product name

DindasEdge LVL 12, DindasForm LVL 12 and Dindas Subfloor LVL 12

### Standards and Certification

The Dindas range of LVL Engineered Wood Products (EWP) is sourced from world leading sustainable manufacturers internationally and locally. These manufacturers comply with the required AS/NZS standards and globally recognised standard bodies.

LVL from Dindas Australia currently meet or exceed the NCC Material Compliance requirements.

### Manufacture

AS/NZS4357.2 Series of Standards

### Quality Assurance - Certification Bodies

JAS-ANZ, SECA

### Durability

Class 4

### Multi-tooth Plate Design

Refer Nailplate Manufacturer

### Sizes

95x45, 95x63, 100x36, 100x45, 100x63, 150x36, 150x75, 170x36, 200x36, 240x36, 300x36.

### Veneer Fibre

Manufacturer dependant but may contain: Spruce, Radiata Pine, Pinus Massoniana.

### Moisture Content

8-15% (at time of despatch from the manufacturer)

### Adhesive

Phenolic to AS2754.1

### Bond

Type A to AS2098.2

### ϕ Factors - Structural LVL - AS/NZS 4357.0

0.95 0.9 0.8

### Treatment options

H2S H2 H3 *

* For complete treatment confidence and compliance, Dindas only recommends using LOSP treatment methods for EWP products.

### Surface Finish

Unsanded faces, sawn and arrised edges

### DINDAS LVL CHARACTERISTIC VALUES FOR DESIGN LIMIT STATES

| | | |
|---|---|---|
| $f'_b$ | Bending strength[1] | 46MPa |
| $f'_t$ | Tension strength - parallel to the grain[2] | 20MPa |
| $f'_{tp}$ | Tension strength - perpendicular to the grain | 0.5MPa |
| $f'_c$ | Compression strength - parallel to the grain | 30MPa |
| $f'_{cp}$ | Compression strength - perpendicular to the grain | - |
| $f'_p$ | Bearing strength - perpendicular to the grain | 10MPa |
| $f'_l$ | Bearing strength - parallel to the grain | 30MPa |
| $f'_s$ | Shear strength | 4.5MPa |
| $f'_{sj}$ | Shear at joints | 4.5MPa |
| MOE | Modulus of Elasticity | 12,000MPa |
| MOR | Modulus of Rigidity | 600MPa |
| ρ | Density (approximate) | 590-600kg/m$^3$ |
| JD | Joint Group for connector design (nails, screws & bolts)[5] | JD4 |
| SD | Strength Group | SD5 |

1. For beams over 95mm deep, characteristic values are obtained by multiplying the Table values by (95/d)^0.167, where d is the section depth.
2. For tension members with a cross-sectional dimension over 150mm, characteristic values are obtained by multiplying the Table values by (150/d)^0.167, where d is the width or largest cross-sectional dimension.
3. Tapered or notched beams may require engineering design checks and supporting certification before use.
4. Penetration holes and notches in beams, bearers, joists and rafters may be made in accordance with AS 1684.2, Clause 4.1.6 and Figure 4.1. Cutting, notching or drilling that does not meet these criteria is outside the scope of this document. It should be referred to an experienced timber engineer for design checks and certification.
5. Characteristic capacities for nails, screws and bolts shall be selected from the applicable AS 1720.1 tables for the connection under consideration.



For more information visit **dindas.com.au**

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