

DINDASFRAME 12

Laminated Veneer Lumber

DINDAS
Australia



Introducing DINDASFRAME 12, the latest addition to our high-performance and affordable engineered timber solutions lineup.

DINDASFRAME 12 offers a superior, stable, straight, and reliable option for your wall frames. It is an excellent alternative to MGP10 and MGP12 pine studs and works perfectly for top and bottom plates and noggins.



Red coating for easy identification

- Has a red coating for easier identification on site.
- Designed to be long-lasting with durable water barrier technology added into the coating surface.



Dimensional Uniform Stability

- Achieve improved framing with straight and consistent dimensions.
- It is free of traditional timber defects like gum pockets and strength-reducing knots.



High-Performance Engineered Wood Product

- Get stronger and more consistent frames than traditional alternatives.
- Manufactured with type 'A' (marine) bond, renowned for its structural strength and long-lasting durability.



Increase productivity, reduce material waste, and lower framing expenses

- Ideal for critical frame sections such as passageways, voids, walls over 2.4 meters tall, and critical load transfer studs.
- Individually labelled and QR code marked for direct product information access.



Sustainable Sourcing

- As a Carbon Warrior partner, we only work with suppliers with verified Wood Source Certifications for responsible and sustainable timber.
- Chain of Custody certification compliant for well-managed and sustainable forests.



DINDASFRAME 12 Product Specs

APPLICATIONS: Internal and External.

DINDASFRAME 12 is a Structural Laminated Veneer Lumber (LVL) used for Framing Construction.

MAXIMUM LENGTH: Available up to 12 metre lengths

DEPTH OPTIONS: 70 and 90 mm

WIDTH OPTIONS: 35 and 45 mm

TIMBER GRADING: LVL 12

TREATMENTS: Available as H2S, H2 & H3 by request.

MANUFACTURE: AS/NZS 4357.2 Series of Standards

CERTIFICATIONS: JAS/ANZ

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 the globally recognised standard bodies of the APA and ASTM.

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

QUALITY ASSURANCE - CERTIFICATION BODIES

JAS-ANZ, Sai-Global, APA

DURABILITY

Class 4

MULTI-TOOTH PLATE DESIGN

Refer Nailplate Manufacturer

SIZES

70x35, 70x45, 90x35, 90x45

VENEER FIBRE

Manufacturer dependant but may contain: Spruce, Maritime Pine, Radiata Pine, Doug-Fir and Birch.

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

UT 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

DINDASFRAME 12 Pack Sizes

Depth (mm)	Thickness (mm)	Pieces per Pack	Weight
70	35	144	1.56 kg/lm
70	45	112	2.01 kg/lm
90	35	108	2.01 kg/lm
90	45	84	2.59 kg/lm

DINDASFRAME 12 Characteristic Values

Characteristic Values for Design Limit States		Dindas Frame 12
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)	JD4
SD	Strength Group	SD5

1. For beams bigger than 95mm in depth, the characteristic values are obtained by multiplying the value in this Table by $(95/d)0.167$, where "d" is the depth of the section.

2. For tension members with a cross-sectional dimension greater than 150mm, the characteristic values are obtained by multiplying the value in this Table by $(150/d)0.167$, where "d" is the width or largest dimension of the cross-section.

3. Tapered and notched beam is allowable, although it requires certifications and/or design checks by an engineer.

4. Notches, cuts and holes in beams, bearers, joists and rafter members may have penetration holes and notches performed in accordance with AS1684.2 Clause 4.1.6 & Figure 4.1. The cutting, notching & drilling of components within structures that do NOT meet these criteria is outside the scope of this document and should be referred to an experienced timber engineer for design checks & certification.




DINDASFRAME 12 Advantages

- High-performance engineered wood product ideal for framing purposes.
- Increase productivity, reduce material waste, and lower framing expenses.
- It is ideal for critical frame sections such as passageways, voids, walls over 2.4 meters tall and critical load transfer studs.
- It is an excellent alternative to MGP10 and MGP12 pine studs and is perfect for top and bottom plates and noggins, meeting Australian Standards (AS1684.2.2010).
- To ensure durability during construction, DindasFrame 12 is coated with water-resistant treatment.
- With no warps, splinters, or splits, DindasFrame 12 is easy to work with - drilling, cutting, and fastening is a breeze.
- DindasFrame 12 is seamlessly compatible and can be effortlessly mixed with other wood materials.
- Features a solid, sturdy, lightweight construction, ensuring maximum stability, durability, and superior strength over traditional timber.
- It is manufactured with type 'A' (marine) bond, renowned for its structural strength and long-lasting durability.
- Available as H2S, H2 & H3 LOSP Timber Treatments are available by request.
- Chain of Custody certification compliant for well-managed and sustainable forests.
- Highly resistant to warping, splitting and shrinkage damage due to its uniform structure and lack of knots.
- Every DINDASFRAME 12 item is marked with a Dindas brand for easy identification.

For more information visit dindas.com.au

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