

CertiStruct22

EXCEPTIONAL QUALITY / SUSTAINABLE / DURABLE

With local green sawn Jarrah and Karri no longer available in the market - specify CertiStruct22 in your projects.

Jetty & Wharf Construction & Repairs / Mine Site Applications / Walkways / Bridge Decks
Sustainably Sourced / Chain of Custody Certified 100% FSC®

CHARACTERISTICS

- Seasons well with air drying, very little shrinkage or movement (up to 50% less than some common Australian hardwoods).
- A hard and dense timber, ensure tools are sharp for optimum finish.
- Good holding capacity for fixings but strongly recommend pre-drilling.
- Like most hardwoods will leach tannin when in contact with moisture. Application of coatings can help control this.
- Botanical name : *Insia Bijuga*
- Common name : Merbau or Kwila
- Common sizes available are listed (approx +/- 5mm)
- Length availability typically up to 5.4m, please enquire
- Smooth dressed finish with pencil round edges.
- Pre-oiled with Intergrain Universal Oil

SIZES AVAILABLE MM

Posts

90x90 | 150x150 | 200x200

Beams/Bearers

100x75 | 150x75 | 200x75 | 300x75 | 150x100 | 200x100 | 300x150

Beams/Decking (kiln dried material, * P4 & P5 achievable please enquire)

150x47 | 200x47 | 290x45 | 90x42* | 140x42* | 190x42

Other stock and custom sizes are available.

We also carry a full range of GL13 and GL17 Laminated posts and beams.



CertiStruct22

EXCEPTIONAL QUALITY / SUSTAINABLE / DURABLE

MERBAU SOLID : PARTIALLY AIR-SEASONED

Structural Properties		Reference
As Structural Grade No. 1	F22	AS2082-2007
Strength Group	S2	AS1720.2 Table 1.
Joint Group	J2	AS1720.2 Table 1.
Density (kg/m ³)	1150	AS1720.2 Table 1.
Termite Resistance	Resistant	AS1720.2 Table 1.
Janka (kN)	7.6	AS1720.2 Table 1.
Tangential Cleavage (N/mm)	78.0	AS1720.2 Table 1.
Toughness (Nm)	21.6	AS1720.2 Table 1.
Modulus of Rupture (MPa)	118	Wood Solutions
Modulus of Elasticity (GPa)	15	Wood Solutions
Maximum Crushing Strength (Mpa)	59	Wood Solutions
Impact (J)	18	Wood Solutions
Tangential Shrinkage (%)	2.5	AS1720.2 Table 1.
Radial Shrinkage (%)	1.2	Wood Solutions
Unit Movement Tangential % (every 1% change in MC)	0.30	Wood Solutions
Unit Movement Radial % (every 1% change in MC)	0.19	Wood Solutions
Tendency to Split	Low	AS1720.2 Table 1.
Natural Durability Outside Above Ground	Class 1	AS1720.2 Table 1.
Termite Resistance	Resistant	AS1720.2 Table 1.
Sapwood Lyctus Susceptibility	Susceptible	AS1720.2 Table 1.
Marine Borer Durability (21-40 years life)	3	AS1720.2 Table 1.
Bushfire Resisting Timber	Yes	AS3959-2018