

IRONBARK

Eucalyptus Paniculata



Australian hardwood suited to wharf & marine construction



Class 1 durability



Premium grade

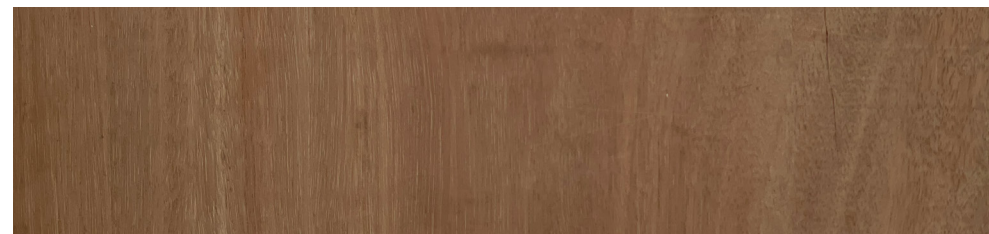


Suited to wharf and marine construction

Ironbark is a particularly hard, strong, and durable timber, commonly used for wharf and marine construction above and below the waterline, as well as for decking, fencing, exterior cladding, and exterior furniture.

The tree typically grows to a height of 30 to 50 metres, with a stem diameter of up to 1.5 metres. Its bark is hard and coarse, with deep furrows and ridges, ranging in colour from dark brown to black, and it extends even to the smaller branches.

The timber's appearance ranges from reddish to dark brown heartwood, while the sapwood is lighter in colour and averages 20mm in thickness. The grain is usually tight and straight, with no distinctive figure. Native to New South Wales and Queensland, Australia, Ironbark is known for being hard, durable, and highly resistant to decay.



TECHNICAL INFORMATION

Availability of sizes	Lengths: Random Lengths typically 1.8m - 5.7m Sizes: Typically 32 – 42mm (thickness) x 90 - 200 mm (width)
*Durability	Class 1 Very Durable

*Based on above ground applications. Durability classifications provide a useful comparative guide, however factors relating to specific installations and natural timber variation may result in some pieces falling outside the species' durability classification. Durability classification applies to heartwood only; sapwood is excluded.

Mechanical properties	Green	Dry
**Density (kg/m ³)	-	1125 kg/m ³
Modulus of Rupture (MPa)	114	138
Modulus of Elasticity (GPa)	18	20
Hardness Janka (kN)	11	14

** Density (kg/m³) is an average indication only, measured at 12% moisture content (dry condition) and actual density may vary from piece to piece.

REFERENCES: CIRAD. (n.d.). Tropix CIRAD website. Retrieved December 9, 2024, from www.cirad.fr; Scion. (n.d.). Scion website. Retrieved December 9, 2024, from www.scionresearch.com; Bootle, K. R. (1983). Wood in Australia: Types, properties, and uses. McGraw-Hill.

Note: For comparable species speak to the JSC team about alternatives.

Disclaimer: The timber properties and product information provided in this document are intended as general guidelines only. Actual timber characteristics may vary due to origin, growth conditions, environmental influences, and natural variation. JSC has not conducted specific testing on the timber properties referenced; all figures are indicative only and have been sourced from external references cited within this document. Information relating to JSC products is necessarily general in nature and subject to variation in dimension, appearance, and specification, depending on natural factors, installation methods, or the specific application. Customers must independently verify all technical data and obtain professional advice to determine the suitability of any product for their particular purpose. The Customer is solely responsible for ensuring that the product is appropriate for its intended use. JSC does not accept any liability (including for negligence) for claims arising from reliance on this information, documentation, or other related materials.

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