

# GREENHEART

*Chlorocardium Rodiei*



## Unyielding Strength For Maritime & Commercial Structures



Class 1 durability



Ideal for decks, bridges,  
and other outdoor  
structures

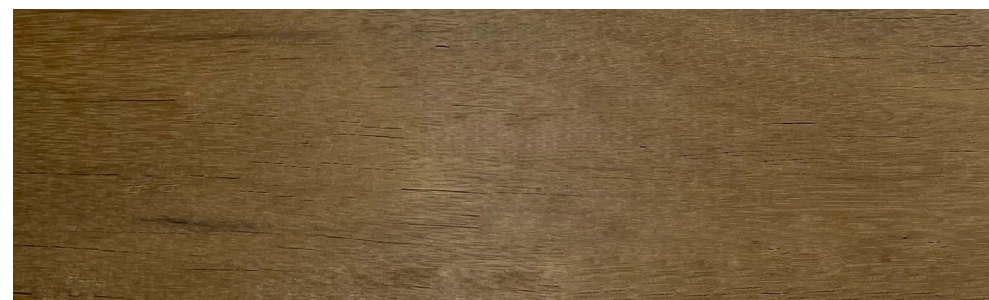


Natural resistance  
to decay, insects,  
and harsh weather

Greenheart is a tropical hardwood native to South America. It boasts exceptional durability and decay resistance. Its distinctive greenish-brown hue darkens over time, and dense grain, coupled with natural oils, makes it more resilient against insects and harsh weather.

The timber features very thick sapwood and yellow-brown to dark olive-brown heartwood with occasional darker veins. Grain is typically straight with a smooth, even texture.

Greenheart is ideal for construction and marine applications, offering a sustainable solution for durable outdoor structures such as docks, bridges, sleepers, decking, and poles in both freshwater and seawater environments.



## TECHNICAL INFORMATION

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

\*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.

Mechanical properties	Green	Dry
**Density (kg/m <sup>3</sup> )	-	1100-1200 kg/m <sup>3</sup>
Crushing Strength (MPa)	-	98
Modulus of Rupture (MPa)	140	180
Modulus of Elasticity (GPa)	16	22
Hardness   Janka (kN)	8.4	11

\*\* Density (kg/m<sup>3</sup>) 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](http://www.cirad.fr); Scion. (n.d.). Scion website. Retrieved December 9, 2024, from [www.scionresearch.com](http://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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