



# Hermpac



## Greenheart

Chlorocardium rodiei / species information

**Greenheart is renowned for being one of the most naturally durable timbers in the world. Native to Guyana, Greenheart is a large tree with bark and fruits containing 'bebeerine', an alkaloid formerly used to reduce fever.**

The heartwood is a pale to dark olive green, with dark brown streaks and the sapwood is pale yellow to green, yet not easily distinguished from the heartwood.

Greenheart's strong, dense characteristics along with its natural resistance to marine borer make it perfect for applications such as underwater wharf or bridge pilings, and structural beams.



### Premium timbers that don't cost the earth

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## Products / Greenheart

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### Marine – Ports, Wharves and Jetties

Hermpac confidently specify Greenheart for use in wharves, jetties and ports. Of particular benefit is Greenheart's natural resistance to marine borer without the need for chemical treatment. Incredible strength and large section sizes and lengths are further reasons Greenheart is ideal. We would be happy to discuss and provide examples of Greenheart successfully being used in these applications.

### Posts and Beams

Boasting Class 1 Durability (40 years + above ground, 25 years + in ground) and great strength ratings, Greenheart is a sound option in these settings, particularly where a rustic and character-filled charm is also required. Natural cracks and surface crazing add to this overall appeal over time.

### Industrial Uses

A timber that can take the knocks and constant demand of heavy traffic, Greenheart is proving to be the ideal solution for industrial flooring in shearing sheds, orchard packing stores, or bulk stores.

### Commercial Decking and Boardwalks

A mainstay timber for coastal boardwalks around the world, Greenheart is the perfect specie for boardwalks close to the foreshore due to its extremely high natural durability. Greenheart can be made available across a range of profiles, sizes and finishes ensuring each unique requirement of a project is met.

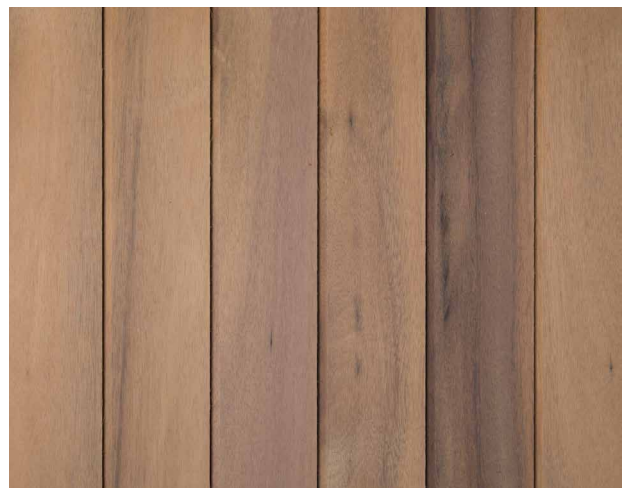
### Technical Information

Hermpac Common Name	Greenheart
Scientific Name	<i>Chlorocardium rodiei</i>
Common Names	Demerara Greenheart
Regions Of Distribution	Northern South America
Heartwood Colour	Pale to dark olive green with dark brown streaks
Sapwood Colour	Pale yellow to green (not easily distinguished from heartwood)
Grades	Standard & Better
Sizes	up to 500 x 500mm
Lengths	up to 5.7m longer lengths available on request
Visual Grain	Medium - Light, distinct in pieces
Natural Durability	Class 1* very durable
Radial Shrinkage (Green To 12% Mc)	6%
Tangential Shrinkage (Green To 12% Mc)	9%

### Mechanical Properties

	Green	Dry (12% Mc)
Modulus of Rupture <sup>(MPa)</sup>	134	180
Janka <sup>(kN)</sup>		11.5
Max Crushing Strength <sup>(MPa)</sup>	69	92
Shearing Strength <sup>(MPa)</sup>		16
Modulus of Elasticity <sup>(GPa)</sup>	19	22
Specific Gravity <sup>(kg/m<sup>3</sup>)</sup>	750	950
Weight <sup>(kg/m<sup>3</sup>)</sup>	980	840

### Sample



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\* Durability classes are based on Australian Standards AS5604-2005 and all the relevant information in the standard. The heartwood of an individual piece of timber may vary from the species nominated classification.