

# Greenheart (South American)

Specification sheet



## GREENHEART

<b><u>Other Name(s):</u></b>	Sapiroe
<b><u>Scientific Name:</u></b>	<i>Ocotea rodiaei</i>
<b><u>Distribution:</u></b>	Tropical South America, Guyanas
<b><u>Average Dried Weight:</u></b>	1010 kg/M3
<b><u>Durability:</u></b>	Very Durable
<b><u>Janka Hardness:</u></b>	11 (kN)
<b><u>Modulus of Rupture/Bending Strength</u></b>	( 185.5 MPa)
<b><u>Modulus of Elasticity/ stiffness:</u></b>	(24.64 GPa)
<b><u>Strength Group:</u></b>	SD1

### Seasoning:

- Slow to season with a risk of splitting.
- Moves moderately once dry.

### Characteristics:

- Light greenish yellow to dark olive-green, sometimes marked with brown or black streaks.
- Sapwood pale yellow in colour, shading gradually into the heartwood.
- Texture fine and even.
- Grain straight or interlocked.
- Bole 50-80 ft long, cylindrical, diameter 20-35 inches.

### Working Qualities:

- Easily sawn, in spite of a slight blunting effect.
- Turns well.
- Planning is not difficult despite the high density of the wood and interlocked grain.
- Easy gluing.
- Preboring is recommended for nails and screws.
- Good nail holding
- Staining rarely necessary.
- Polishes satisfactorily.

### Uses:

- A very heavy hard timber, suitable for use under exacting conditions.
- Outstanding in most of its strength properties, and of very high durability and having excellent resistance to attack by marine borers.
- Available in very large sizes and long lengths, and is therefore suitable for piling, piers, lock gates, dock and harbour work.
- Useful for pier decking and hand rails, flooring and in engineering industry as bearers for engines.
- Gives good service in chemical plants for vats, filter press plates and frames.
- Suitable for joinery in both exterior and interior situations and used also for fishing rods and as centre laminates for longbow and general construction.