



Your DIRECT Source for Tropical Hardwoods

GREENHEART TIMBERS

Commercial
& Residential



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- **Dense Tropical Wood**
- **Naturally Resistant**
- **No Treatment Required**
- **Environmentally Friendly**
- **Long Lasting**
- **Readily Available**



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When the word timber is seen or heard, most people identify it with wood you buy at the local lumber store. Others may see it as stacks of boards sitting on a construction site waiting to be unbundled and used. A third group might see it as something completely different. These groups include high-end architects, designers and wood specialists who market tropical hardwood as an incredibly strong and beautiful product for high end resorts, luxury homes and large scale construction projects. These creative experts in the industry use specialized lumber from sustainably harvested rainforests in South America and abroad.

There are several hardwoods to select from but the one that stands out from the others when it comes to long lasting brute strength, Greenheart. Used for the past 150 years, Greenheart wood has a crushing strength of 13,290 psi, can withstand punishing hurricane winds, and provides excellent, long-lasting performance in harsh fresh and salt water applications. Yet it can also be used as elegant siding on homes or beautiful pathways of decking that can handle high volumes of traffic. In the forest, it is known as the world's strongest tree with an astounding average of elasticity of 3,573,000 psi and an impressive bending strength of 26,200 psi. These statistics make Greenheart 3-5 times stronger than wood species sold domestically in the USA.

Greenheart is a highly sought after wood which only grows in the northeastern part of South America. Guyana is in the heart of this location and produces most of the world's Greenheart. The prized wood is heavily regulated by the Guyana Forestry Commission which requires that every tree must meet certain specifications before being cut. Once harvested, the trees are tagged and tracked through the manufacturing process all the way to delivery to the consumer. These practices prevent undersized trees from being cut and essentially keep the forest from being depleted of these wonderful natural resources. These requirements make the work harder, but the end result is to ensure millions of acres of rainforest for future generations.

Greenheart (known scientifically as *Chlorocardium rodiei*), can be purchased in timber lengths exceeding 70 ft. The heartwood color tends to arrange from light olive to brown with darker streaks. Greenheart wood weathers naturally over time to have a beautiful silver-grey patina. The grain is straight to interlocked and fine to medium with a good natural luster.

One of the most amazing attributes that greenheart possesses is its resistance to decay and unwanted pests. Marine borers, termites and other wood-eating insects steer clear of Greenheart because of its hardness and the repellent qualities of its naturally-produced oils.



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Properties	Greenheart	Southern Yellow Pine
Strength	High	Medium
Maintenance	Low	High
Average Dried Weight	62-70 lbs/ft ³	35 lbs/ft ³
Janka Hardness	2,360 psi	690 psi
Bending Strength	26,200 psi	1,500 psi
Modules of Elasticity	3,573,000 psi	1,750,999 psi



Greenheart has been known to last more than 100 years in some applications but it is safe to expect that it will last 50 years under almost all circumstances.

Greenheart tropical hardwood is so dense that even the untreated wood has a "Class A" fire rating making it naturally almost as fire resistant as concrete and metal. With this gives consumers added peace of mind when using the wood in their special projects.

Notable applications for Greenheart wood include heavy structural work, framing, marine construction, lock gate construction, decking, fender systems and walers. The next time you think about using timber consider using Greenheart Timber. Contact us today for additional information or to request a quote.



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U.S. Tel: +1-407-982-3328

• WD@WoodsDirect.com

• www.WoodsDirect.com