Common name:	GREENHEART				
Family: Scientific name(s):	LAURACEAE Chlorocardium rodiaei Ocotea rodiaei (synonymous)				
Note:	In Surinam, the name GROENHAR	T is also used for IPE s	quared timber an	id square	edged boards.
LOG DESCRIPTION		WOOD DESCRIPTION	Ν		
Diameter: Thickness of sapwood: Floats: Durability in forest : Note:	from 80 to 100 cm from to cm no Good Very thick sapwood; heartwood yell veins.	Colour: Sapwood: Texture: Grain: Interlocked grain: low brown to dark olive	Yellow brown Clearly demarcated Fine Straight Absent e brown, with sometimes irregular darker		
PHYSICAL PROPERTIES Physical and mechanical pro origin and growth condition	operties are based on mature heartwo s.	MECHANICAL PROP ood specimens. These p	ERTIES properties can van	ry greatl	y depending on
Density *: Monnin hardness*: Coef of volumetric shrinkage Total tangential shrinkage: Total radial shrinkage: Fibre saturation point: Stability:	mean standard deviation 0.97 g/cm3 19.8 19.5 19.8 19.5 19.6 19.7 19.8 19.8 19.7 19.8 19.8 19.8 19.8 19.8 19.7 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.9	Crushing strength *: Static bending strengt Modulus of elasticity (* : at 12 % moisture c	mean 98 2h *: 217 *: 30400 content ; 1 MPa =	8 MPa 7 MPa 0 MPa : 1 N/mm	standard deviation 2)
NATURAL DURABILITY A Fungi and termite resistance Except for special comments Sapwood must always be co	ND TREATABILITY refers to end-uses under temperate c s on sapwood, natural durability is ba nsidered as non-durable against wo	limate. used on mature heartwo od degrading agents.	od.		
Fungi: Dry wood borers: Termites: Treatability: Biological hazard class*: Note:	Class 1 - very durable Durable; sapwood demarcated (risk Class D - Durable 4 - not permeable 4 - in ground or fresh water contact This species is listed in the Europea Due to its high specific gravity and class 5 (end-uses in marine environm	i limited to sapwood) or hight dampness n standard NF EN 350- hardness, this species ment or in brackish wat	2. naturally covers er).	* ensur durabili EN star the biolo	ed by natural ty (according idards).
COUNTRIES - LOCAL NAM	IES				
CountriesLocaBrazilBIBIBrazilITAIGuyanaBIBIGuyanaDENGuyanaGRESurinamBEESurinamGRCSurinamSUPPO	al names RU UBA BRANCA RU IERARA ENHEART BEROE DENHART ROE				

VIRUVIRU

Venezuela

GREENHEART

REQUIREMENT OF A PRESERVATIVE TREATMENT

Against dry wood borer attacks: In case of temporary humidification risk: In case of permanent humidification risk: Does not require any preservative treatment Does not require any preservative treatment Does not require any preservative treatment

	Possible dryin			
Slow	M.C. (%)	Tempera	ature (°C)	Air
Slight risk		dry-bulb	wet-bulb	humidity (%)
No	30	42	41	94
Slight risk	25	42	39	82
No	20	48	43	74
	Slow Slight risk No Slight risk No	Possible dryinSlowM.C. (%)NoSlight riskNo3025201515	Possible drying scheduleSlowTemperaSlight riskM.C. (%)dry-bulbNo3042Slight risk2542No254220481548	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

This shedule is given for information only and is applicable to thickness < 38 mm.

It must be used in compliance with the code of practice.

For thickness from 38 to 75 mm, the air relative humidity should be increased by 5 % at each step.

For thickness over 75 mm , a 10 % increase should be considered.

SAWING AND MACHINING				
Blunting effect: Sawteeth recommended: Cutting tools: Peeling: Slicing: Note:	Fairly high Stellite-tipped Tungsten carbide Not recommended or without interest Not recommended or without interest Sawdust may cause allergies.			
ASSEMBLING				
Nailing / Screwing: Gluing: Note:	Good but pre-boring necessary Correct Gluing must be done with care (very dense wood).			
END-USES Main known end-uses; the Important remark: some en	y must to be implemented according to the code of practice. d-uses are mentionned for information (traditional, regional or ancient end-uses).			
Note:	Although not very used in France, GREENHEART is one of the most suitable species for end-uses in marine environment. Species resistant to acids. GREENHEART is also used for billiard cue.			
Hydraulic works (seawater Hydraulic works (fresh wat Ship building Cooperage Bridges (parts in contact w Bridges (parts not in conta Heavy carpentry Industrial or heavy flooring Sleepers Turned goods Posts) her) with water or ground) ct with water or ground) g			