

Common name:	TAUARI
Family:	LECYTHIDACEAE
Scientific name(s):	Couratari spp.
Note:	The TAUARI regroups several species of the genus Couratari whose properties and aspect can greatly vary.

LOG DESCRIPTION		WOOD DESCRIPTION	
Diameter:	from 50 to 80 cm	Colour:	Creamy white
Thickness of sapwood:	from to cm	Sapwood:	Not demarcated
Floats:	yes	Texture:	Medium
Durability in forest :	Low (must be treated)	Grain:	Straight
		Interlocked grain:	Absent
Note:	Wood cream white, pinkish white or yellowish grey white according to the species. Unpleasant odour when green.		

PHYSICAL PROPERTIES			MECHANICAL PROPERTIES		
Physical and mechanical properties are based on mature heartwood specimens. These properties can vary greatly depending on origin and growth conditions.					
	mean	standard deviation		mean	standard deviation
Density *:	0.62 g/cm <sup>3</sup>	0.06			
Monnin hardness*:	2.7	0.5	Crushing strength *:	48 MPa	6
Coef of volumetric shrinkage:	0.50 %	0.06	Static bending strength *:	87 MPa	9
Total tangential shrinkage:	7.0 %	1.0	Modulus of elasticity *:	14500 MPa	2976
Total radial shrinkage:	4.5 %	1.0			
Fibre saturation point:	28 %				
Stability:	Moderately stable		(* : at 12 % moisture content ; 1 MPa = 1 N/mm <sup>2</sup> )		

#### NATURAL DURABILITY AND TREATABILITY

Fungi and termite resistance refers to end-uses under temperate climate.

Except for special comments on sapwood, natural durability is based on mature heartwood.

Sapwood must always be considered as non-durable against wood degrading agents.

Fungi:	Class 5 - not durable	* ensured by natural durability (according EN standards).
Dry wood borers:	Susceptible; sapwood not or slightly demarcated (risk in all the wood)	
Termites:	Class S - Susceptible	
Treatability:	1 - easily permeable	
Biological hazard class*:	1 - not in ground contact, under cover (no dampness)	
Note:	Several species, with different natural durability, are regrouped under the name TAUARI. Some species and origins could be used without preservative treatment for end-uses under biological hazard class 2. However, commercial lots are usually constituted by blended species. Consequently, it is advisable to use the less durable woods as a point of reference.	

#### COUNTRIES - LOCAL NAMES

Countries	Local names
Brazil	IMBIREMA
Brazil	TAUARI
French Guiana	COUATARI
French Guiana	INGUIPIPA
French Guiana	MAHO CIGARE
French Guiana	TABARI
Guyana	WADARA
Surinam	INGIPIPA
Venezuela	CAPA DE TABACO
Venezuela	TAMPIPIO

---

---

**TAUARI**

---

**REQUIREMENT OF A PRESERVATIVE TREATMENT**

---

Against dry wood borer attacks:	Requires appropriate preservative treatment
In case of temporary humidification risk:	Requires appropriate preservative treatment
In case of permanent humidification risk:	Use not recommended

---

**DRYING**

## Possible drying schedule

Drying rate:	Rapid	Temperature (°C)			Air humidity (%)
		M.C. (%)	dry-bulb	wet-bulb	
Risk of distortion:	No risk or very slight risk				
Risk of casehardening:	No				
Risk of checking:	No risk or very slight risk				
Risk of collapse:	No	30	42	41	94
		25	42	39	82
		20	48	43	74
		15	48	43	74

This schedule 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.

Note: Must be dried as soon as possible after felling to avoid blue stain.

---

**SAWING AND MACHINING**

---

Blunting effect:	High
Sawteeth recommended:	Stellite-tipped
Cutting tools:	Tungsten carbide
Peeling:	Good
Slicing:	Good

---

**ASSEMBLING**

---

Nailing / Screwing:	Good but pre-boring necessary
Gluing:	Correct

---

**END-USES**

Main known end-uses; they must to be implemented according to the code of practice.

Important remark: some end-uses are mentioned for information (traditional, regional or ancient end-uses).

---

Stairs (inside)  
Veneer for back or face of plywood  
Blockboard  
Moulding  
Interior panelling  
Boxes and crates  
Formwork  
Exterior joinery  
Interior joinery  
Current furniture or furniture components  
Light carpentry  
Glued laminated  
Flooring  
Turned goods  
Seats  
Sliced veneer  
Veneer for interior of plywood

---