

Common name:	PAU AMARELO
Family:	RUTACEAE
Scientific name(s):	Euxylophora paraensis

LOG DESCRIPTION		WOOD DESCRIPTION	
Diameter:	from 40 to 80 cm	Colour:	Yellow
Thickness of sapwood:	from 3 to 5 cm	Sapwood:	Not clearly demarcated
Floats:	no	Texture:	Fine
Durability in forest :	Good	Grain:	Straight or interlocked
		Interlocked grain:	Slight
Note:	Wood bright yellow becoming yellowish light brown with air.		

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
Density *:	0.81 g/cm <sup>3</sup>		standard deviation
Monnin hardness*:	5.5	Crushing strength *:	80 MPa
Coef of volumetric shrinkage:	0.61 %	Static bending strength *:	119 MPa
Total tangential shrinkage:	6.5 %	Modulus of elasticity *:	19460 MPa
Total radial shrinkage:	5.7 %		
Fibre saturation point:	21 %		
Stability:	Poorly 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 1 - very durable	* ensured by natural durability (according EN standards).
Dry wood borers:	Heartwood durable but sapwood not clearly demarcated	
Termites:	Class D - Durable	
Treatability:	3-4 - poorly or not permeable	
Use class*:	4 - in ground or fresh water contact	
Note:	<p>This species is listed in the European standard NF EN 350-2.          The possible presence of few demarcated sapwood may have an influence on the expected durability.          According to the European standard NF EN 335, performance length might be modified by the intensity of end-use exposition.</p>	

#### MAIN LOCAL NAMES

Countries	Local names
Brazil (Amazon)	AMARELO CETIM
Brazil (Amazon)	AMARETAO
Brazil (Amazon)	MUIRATAUA
Brazil (Amazon)	PAU AMARELO
Brazil (Amazon)	PAU CETIM
Brazil (Amazon)	PEQUIA CETIM

**REQUIREMENT OF A PRESERVATIVE TREATMENT**

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

**DRYING**

Possible drying schedule

Drying rate:	Normal to slow	Temperature (°C)			Air humidity (%)
		M.C. (%)	dry-bulb	wet-bulb	
Risk of distortion:	Slight risk				
Risk of casehardening:	Yes				
Risk of checking:	High risk	Green	42	39	82
Risk of collapse:	No	50	48	43	74
		40	48	43	74
		30	48	43	74
		15	54	46	63

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: Risks of cracks and casehardening, especially for thickness > 41mm.

**SAWING AND MACHINING**

Blunting effect:	Normal
Sawteeth recommended:	Ordinary or alloy steel
Cutting tools:	Ordinary
Peeling:	No information available
Slicing:	Good
Note:	Planing and sanding require care in presence of interlocked grain.

**ASSEMBLING**

Nailing / Screwing:	Good
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 mentionned for information (traditional, regional or ancient end-uses).

- Cabinetwork (high class furniture)
- Current furniture or furniture components
- Flooring
- Exterior joinery
- Interior joinery
- Stairs (inside)
- Wood-ware
- Interior panelling
- Exterior panelling
- Heavy carpentry
- Sculpture
- Bridges (parts not in contact with water or ground)
- Bridges (parts in contact with water or ground)
- Hydraulic works (fresh water)
- Sleepers
- Turned goods
- Vehicle or container flooring
- Tool handles (resilient woods)
- Sliced veneer