



Trade Name: **Wallaba**

Other Names: Wapa / Bioudou

Scientific Name: *Eperua falcata*

Family / Famille: *Caesalpinaceae*

**Specie Brief:** Highly durable & strong, dark reddish/brown hardwood with an excellent range of outdoor and ground contact uses. Highly preferred for its amazing durability.

Wood Description		Physical & Mechanical Properties	
Heartwood Color	<b>Red brown</b>	Specific Gravity (kg/m3)*	<b>0.88</b>
Sapwood Color	<b>Clearly demarcated</b>	Monnin Hardness*	<b>7.0</b>
Texture	<b>Medium</b>	Crushing Strength*	<b>72 MPa</b>
Grain	<b>Straight</b>	Radial Shrinkage	<b>2.30%</b>
Cross Grain	<b>No</b>	Tangential Shrinkage	<b>6.50%</b>
Durability	<b>Class 1 - very durable</b>	Tangential / Radial Ratio	<b>2.80</b>
Marine Durable	<b>Class 5 - yes</b>	* at 12% moisture content	

### Key Products & Uses:

- Posts & Poles
- Sub-Construction
- Outdoor Decking
- Outdoor Fencing
- Shingles & Shakes
- Outdoor Cladding

### Properties & Characteristics

Wallaba is a highly durable and heavy hardwood that is best suited for outdoor uses. It is well known for its superior durability in ground contact applications. Wallaba is a very dark reddish/brown color with a distinct texture that is highlighted by internal resin that can come to the surface when exposed to sunlight. Care must be taken when considering its final use and if some surface oil is acceptable.

### Posts & Poles

In its native environment in the Guiana's region of South America, Wallaba is widely used for fence posts and power poles due to its natural durability with ground contact and resistance to termites. A lifespan of 40+ years above ground and 30+ years in ground within these tropical climates suggests how amazingly durable and resistant this wood species is. Due to its high ground contact durability and high density and strength, Wallaba makes an excellent species choice for ground posts and poles.

### Sub-construction & Hydraulic Works

Wallaba is an excellent specie for the large European sub-construction market where certain countries legally require high durability class species. It can be aesthetically used to support other more recognizable decking species from South America such as; Ipe, Massaranduba or Cumaru.

### Outdoor Decking, Boardwalks & Marine Jetties

Wallaba's high durability makes it an excellent material for industrial outdoor decking uses such as boardwalks and marine jetties. Though the surface can be resinous this can be accepted in industrial marine environments. Wallaba weathers very well and turns a nice driftwood silver / grey once exposed to the elements and sunlight.

### Shingles & Shakes, & Cladding

One of the most common uses of Wallaba is for shingles and shakes in the exterior roofing and cladding market. The superior durability and fire resistance of Wallaba make it a preferred species over cedar for some specific markets, including: the Caribbean, the US East Coast, and in certain French territories. Due to its durability and colorful texture, Wallaba also makes a very versatile exterior cladding species.