

**Family** : Bignoniaceae

**Vernacular names**

Suriname : Groenhart / Wassiba  
Guyana : Hakia / Arawnig / Aruain / Ironwood  
French Guiana : Ebene soufre / Ebene verte  
Brazil : Ipê / Pau d'Arco  
Venezuela : Acapro / Pui  
Columbia : Canaguata / Polvillo  
Peru : Tahuari negro  
Argentina : Lapacho negro

**International trade name** : Ipe, Lapacho, Tabebuia

**Occurrence** : Suriname, Guianas, Central and Tropical South America

**Tree description**

Bole length : bole 15 - 20 m; tree height 25 - 45 m  
Diameter : 0.50 - 1.00 m  
Log shape : straight, cylindrical; tree base with root spurs or buttresses

**Wood description**

Sapwood : distinct, whitish or yellowish  
Heartwood : olive brown to blackish with lighter or darker streaks (often covered with a green yellow powder)  
Grain : slightly to highly interlocked  
Texture : fine to medium

**Technological characteristics**

**Physical properties**

Green density	(g/cm <sup>3</sup> ):	1.28
Air dry density at 12% MC	(g/cm <sup>3</sup> ):	1.05
Tot. tangential shrinkage	(%) :	8.0
Tot. radial shrinkage	(%) :	6.6
Tot. volumetric shrinkage	(%) :	13.2

**Mechanical properties**

Bending strenght at 12% MC	(N/mm <sup>2</sup> ):	180
Modulus of elasticity (MOE) at 12% MC	(N/mm <sup>2</sup> ):	18300
Crushing strenght at 12% MC	(N/mm <sup>2</sup> ):	97

## Processing

Sawing	: difficult; power required; blunting effect: moderate
Drying	: slow drying recommended, risk of distortion: slight US kiln schedule T3 - C1 for 25 - 38 mm
Machining	: moderately difficult; power required
Gluing	: with special precautions
Nailing	: pre-boring necessary
Finishing	: good
Veneering	: pre-steaming before slicing recommended

## Natural durability

Decay fungi	: very good
Termites	: very good
Marine borers	: poor to moderate

**Treatability (heartwood)** : poor

**End uses** : industrial and parquet flooring, cabinets, sleepers, stairs, furniture, naval construction, hydraulic works, interior and exterior joinery.



Log shape

**Grinati** - *Tabebuia serratifolia* (Vahl) Nicholson