

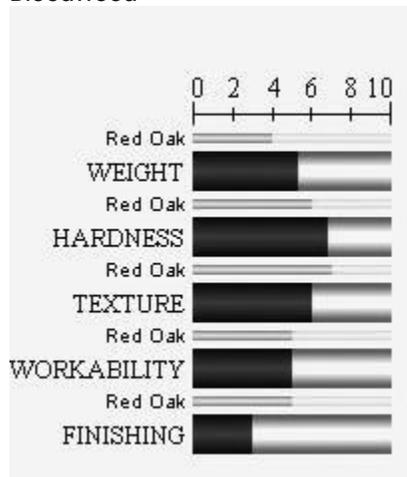
Bloodwood

(Brosimum paraense)



Common Names:

Satine, Amapa rana, Pau rainha, Falso pao brasil, Conduru, Satinwood, Muirapiranga, Satine rouge Satine rubane, Siton paya, Satijnhout, Doekaliballi, Satinholz, Ferolia, Legno satino, Palo de oro, Bloodwood



Mechanical Values

Category	Green	Dry	Units
Weight	59	40	lbs/cu.ft.
Density (air-dry)		40	lbs/cu.ft.
Specific Gravity	0.56	0.64	
Hardness		1220	lbs
Stiffness	1690	2000	1000 psi
Bending Strength	10903	15583	psi
Shearing Strength		1495	psi
Max. Crushing Strength	5096	8281	psi
Work to Maximum Load	11	13	in-lbs/in ³
Radial Shrinkage (G->OD)		4	%
Tangential Shrink. (G->OD)		8	%
Volumetric Shrink (G->OD)		12	%

Environmental Profile

The species is reported to be rather widespread, abundant, and secure globally, although it may be rare in certain parts of its range, especially at the periphery (Source - The Nature Conservancy -Rank of relative endangerment based primarily on the number of occurrences of the species worldwide)

Distribution

The species is reported to be widely distributed and regionally common within its range, which includes the Guianas and the Amazon Basin.

Product Sources

It is not known at present whether timber from this species is obtainable from sustainably managed or other environmentally responsible sources. The International Tropical Timber Organization (ITTO) reports that timber production is rather low and is used exclusively for local consumption.

Sapwood Color

The clearly demarcated sapwood is yellowish white in color.

Heartwood Color

The heartwood is described as deep red or pale reddish-brown, and may sometimes have a greenish golden beige ribbon figure.

Grain

The grain is straight to slightly interlocked.

Texture

The wood is fine textured.

Odor

There is no characteristic odor or taste.

Ease of Drying

The wood is reported to be fairly easy to dry, but does require some care.

Drying Defects

The material is prone to checking, and there is a slight tendency for it to warp during drying.

T/R Ratio

1.5 - This indicator is more meaningful if it is used together with actual shrinkage data in the tangential and radial directions. (Refer to the Numerical Values window).

Natural Durability

The wood is reported to be resistant to attack by decay-causing organisms, termites, and dry wood insects.

Resistance to Impregnation

Heartwood resistance to preservative treatment is rated as high.

Blunting

Blunting effect on cutting tools is rated as moderate.

Resistance to Cutting

The wood is reported to be difficult to saw.

Planing

Planing operations are reported to be rather difficult.

Gluing

Gluing properties are reported to be good.

Nailing

Pre-boring is required before nailing.

Screwing

Screwing requires pre-boring.

Polishing

The wood has good polishing characteristics.