

## BARAUNA



SCIENTIFIC NAME	Schinopsis brasiliensis
FAMILY	Anacardiaceae
INTERNATIONAL NAME	Baraúna
OTHER NAMES	Baraúva, Brauna, Pau preto (Brazil), Yvyraú (Paraguay) Quebracho Colorado
AREA OF OCCURRENCE	Temperate and subtropical dry Forest
REGION AND FREQUENCY	States of La Paz and Santa Cruz, Bolivia

### BARAUNA IN COMPARISON WITH OTHER SPECIES

	azobe	<b>barauna</b>	Angelim Vermelho
Density 12%inkg/m <sup>3</sup>	950	<b>1030</b>	950
Density (kg/m <sup>3</sup> )AD	1200	<b>1280</b>	1050
Radial shrinkage(R%)	7.2	<b>5.3</b>	5.7
Tangential shrinkage(T%)	10.2	<b>10.3</b>	9.5
Modulus of Elasticity at 12%(N/mm <sup>2</sup> )	18600	<b>16000</b>	16900
Janka hardness at12%(kgf)	17000	<b>21770</b>	13500
Durability class	I	<b>I</b>	I

[More other timber species comparison](#)

### DESCRIPTION OF THE TREE

TOP	Big, high in a rounded way to uniform, alternating ramification, 5-6 leaves compound pinnadas, sometimes branches with thorns
TRUNC	Cylindrical Shaft, something conical of base straight line, it reaches a height of 23 m
BARK	External brown-grizzly color, figured in small badges

### ORGANIC CHARACTERISTIC OF THE WOOD

SAPWOOD COLOR	Yellowish white
HARDWOOD COLOR	Reddish clear brown
SMELL	Non distinguishing
FLAVOR	Astringent
SHINE	
GRAIN	Intertwined
VEINES	Marked
TEXTURE	Fine

### ANATOMICAL DESCRIPTION

RINGS OF GROWTH	
Visibility	Visible at first sight
Average number	40 rings in a radius of 10 cm
PORES	
Visibility	Visible with magnifying glass of 10x
Porosity	Diffuse
Type	Loners and multiple radial of 2 - 5
PARENQUIMA	
Visibility	Visible with magnifying glass of 10x
Quantity	Scarce
Type	Centric and confluent in form diagonal
RADIUS	
Visibility	Visible with magnifying glass of 10x
Stratification	Absent

### PHYSICAL PROPERTIES

CONTENT OF HUMIDITY GREEN	31,4%
BASIC DENSITY	1,039 g/cm <sup>3</sup>
DENSITY AT 12% HUMIDITY	1,28 g/cm <sup>3</sup>
RADIAL CONTRACTION	5,3%

TANGENTIAL CONTRACTION 10,3%  
 VOLUMETRIC CONTRACTION 16,3%  
 RELATIONSHIP T/R 2

**MECHANICAL RESISTANCE**

MODULE OF ELASTICITY 160 x 1000 kg/cm<sup>2</sup>  
 ROTATING MODULE 1516 kg/cm<sup>2</sup>  
 PARALLEL COMPRESSION 833 kg/cm<sup>2</sup>  
 RADIAL CUT 222 kg/cm<sup>2</sup>  
 JANKA HARDNESS 2177 kg  
 TENACITY 3,33 kg-m

**PROSESSING CONDITIONS**

WORKABILITY Easy to process mechanically, special care is recommended with the cutting tools, good superficial finish  
 PRESERVATION Waterproof  
 DURABILITY Very durable, even in direct floor contact  
 DRYING The air drying is very slow, a soft program of artificial drying is recommended

**USES**

Heavy Construction, Parquet and floors, Rustic (public outdoor) furniture, Sleepers, civil fencing, beams, shuttering supports, retaining walls, posts and piles and dragline mats

*click on the picture (online) for a close up*



top end fresh cut no reclaimed railway sleepers



dragline and crane mats for heavy equipment support

Barauna is an excellent specie at and around the water level. Since the ancient Jesuit' churches, barauna is used in Bolivia as construction supports under these churches. After a couple of hundred years, the barauna posts are still in excellent condition.

ROQUE VALENTE' experience is that most clients seem to sell it as an alternative for wider known (African) Azobé. However, Azobé might be better known, its availability compared to Barauna is the difference. If you need some vast quantities with a reliable lead time of delivery, then you definitely better opt for ROQUE VALENTE's Barauna.

We are looking forward to hearing from you soon for any further information at:

[info@roquevalente.com](mailto:info@roquevalente.com)

