



## BREU BRANCO

### Source

FSC Breu branco is available in the forest of Precious Woods, located in the Amazon region of Brazil. The trunk is mainly straight and attains a diameter up to 80 cm. It is possible to produce the common sizes.

### Appearance

The heartwood has a whitish grey color, sometimes with a light brown or pinkish shade. It is difficult to distinguish the sapwood.

The grain is straight and often remarkable interlocked. The texture is medium coarse.

### Processing properties

The Processing properties are good. The presence of Silica causes a blunting effect on the tools. In situations with interlocked grain, sharp tools are needed to achieve a smooth result. Pre-drilling is advised. Finishing and gluing are reported to be good. Drying goes easy with limited drying defects. Compression failure sometimes occurs

### Application

The less durable and light coloured timber is only used for interior applications like doors, window frames and carpentry.

### Technical properties

Green density	900 kg/m <sup>3</sup>
Density (at 12%)	500-550 kg/m <sup>3</sup>
Shrinkage green – oven dry	4,4% radial; 8,2% tangential
Durability according to EN 113 (without soil contact)	Heartwood class 4
Durability according to literature	Heartwood class 4
Bending strength, MOR (defect free samples)	94 N/mm <sup>2</sup>
Modulus of elasticity, MOE (defect free samples)	11.600 N/mm <sup>2</sup>
Shear strength (defect free samples)	8,1 N/mm <sup>2</sup>
Janka hardness	3.160 N (transversal); 4.700 N (parallel)
Chemical composition	Cellulose: 52,5%; Hemicellulose: 15,8%; Lignine: 31,7%
The figures in this table are mainly indicative, unless a specific standard is mentioned, which provides exact figures.	

### References

This information is based on research (mainly independent) and experience of Precious Woods, (semi-) scientific literature and the (Dutch) Houtvademecum (10<sup>th</sup> edition 2010).