



## TAUARI BRANCO

### Source

FSC Tauari branco is available in the forests of Precious Woods, located in the Amazon region of Brazil. The trees attain normally diameters of 50 – 80 cm. The trunks are straight and cylindrical. Tauari branco can be supplied in standard hardwood sizes.

### Appearance

The heartwood varies from cream white to very light beige. Sometimes, the sapwood can be hardly distinguished. Remarkable is the unpleasant smell of green timber, which quickly disappears after drying. There is hardly any lustre. The grain is straight and the texture is medium fine.

### Processing properties

Machining of Tauari branco can be done well, although there is a blunting effect due to the Silica content. Therefore, the use of hard metal tools is advised. The machined product can get very smooth. Tauari branco could be dried rather easily, with only a few defects. The painting properties are good, the gluing requires extra care.

### Application

Tauari branco is often used in interior applications for the light appearance. It is mainly used for window and door frames and sometimes for other joinery. Tauari branco can also be used in protected application outside, without direct contact with the soil (cladding, window and door frames). In France, Tauari branco is popular species for outside joinery and mouldings.

### Technical properties

Green density	900 – 950 kg/m <sup>3</sup>
Density (at 12%)	600 – 700 kg/m <sup>3</sup>
Shrinkage green – oven dry	4,5% radial; 7,0% tangential
Shrinkage green – 65% RH (abt. 12% EMC)	1,8% radial; 3,2% tangential
Swelling between 50-90% RH	1,9% radial; 2,8% tangential
Equilibrium Moisture Content (EMC)	13,3% (at 65% RH water adsorption) 13,3% (at 65% RH water desorption) 18,6% (at 95% RH water adsorption)
Fibre Saturation Point (FSP)	28%
Durability according to TS 15083-1 (without soil contact)	Heartwood class 2
Durability according to literature	Heartwood class 4-5
Bending strength, MOR (defect free samples)	96 N/mm <sup>2</sup>
Modulus of elasticity, MOE (defect free samples)	11.700 N/mm <sup>2</sup>
Shear strength (defect free samples)	9,5 N/mm <sup>2</sup>
Janka hardness	5.600 N (transversal); 3.910 N (parallel)
Chemical composition	Cellulose: 48,7%; Hemicellulose: 17,3%; Lignine: 34%
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 Europe BV, (semi-) scientific literature and the (Dutch) Houtvademecum (9<sup>th</sup> edition 2005).