



LOURO AMARELO

Source

FSC Louro amarelo is available in the forests of Precious Woods, located in the Amazon region of Brazil. This species could also include the local species Louro aritu. The trees have a straight cylindrical shape, which makes it possible to produce larger dimensions in sawn wood.

Appearance

The heartwood has a color that varies from yellow brown to beige brown, with often a greenish shade. The sapwood is easy to distinguish. Typical is the pleasant smell. The planed surface has a nice lustre and texture. Louro amarelo can have ingrown bark. The grain is mainly straight and the texture is medium coarse.

Processing properties

Despite the high density machining goes well, with a smooth result. The planed surface is pretty smooth. Pre-drilling is recommended. There is no experience regarding the finishing and gluing. Drying goes slowly with few defects. Thicker dimensions are difficult to kilndry

Application

Louro amarelo can be used for several applications:

- interior: e.g. flooring
- exterior: e.g. cladding, boardwalks and garden furniture

Technical properties

Green density	1.100 kg/m ³
Density (at 12%)	800 kg/m ³
Shrinkage green – oven dry	5,1% radial; 9,6% tangential
Durability according to ENV 807 (with soil contact)	Heartwood class 1
Durability according to literature	Heartwood class 1
Bending strength, MOR (defect free samples)	119 N/mm ²
Modulus of elasticity, MOE (defect free samples)	13.900 N/mm ²
Shear strength (defect free samples)	12,9 N/mm ²
Janka hardness	5.370 N (transversal); 5.090 N (parallel)
Strength class (EN 338)	D40 *)
Fire resistance flooring (EN 13501-1)	Bfl-s1

*The figures in this table are mainly indicative, unless a specific standard is mentioned, which provides exact figures.
) This value is determined by testing of a limited number of full scale samples. A higher value is expected by testing more samples.

References

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