



ARURA VERMELHO

Source

FSC Arura vermelho is available in the forests of Precious Woods, located in the Amazon region of Brazil. The tree attains a height of 40 m, with a straight trunk and a small diameter. Due to the large zone of juvenile wood, it is difficult to produce larger (thick/wide) dimensions.

Appearance

The heartwood has a dark reddish brown color. The greyish white sapwood is clearly demarcated from the heartwood. Typical is the juvenile wood, that has a beige brown color. This species has a remarkable straight grain, with a nice and fine texture. The wood surface has a more or less greasy touch.

Processing properties

Machining goes well, with a very smooth result. Pre-drilling is recommended. There are good results achieved with gluing and finishing (including oil/stain) for exterior and interior applications. The wood dries rather quickly, with a slight tendency to warp or check. Due to the straight grain and limited shrinkage/swelling, the timber is very stable in its application.

Application

This beautiful species is used for several applications:

- interior: e.g. furniture, parquet and stairs
- exterior: e.g. cladding and boardwalks

Technical properties

Green density	1.000 – 1.200 kg/m ³
Density (at 12%)	825 kg/m ³
Shrinkage green – oven dry	5,6% radial; 8,8% tangential
Shrinkage green – 65% RH (abt. 12% EMC)	0,9% radial; 1,4% tangential
Swelling between 50-90% RH	1,0% radial; 1,5% tangential
Equilibrium Moisture Content (EMC)	10,6% (at 65% RH water adsorption) 11,6% (at 65% RH water desorption) 13,3% (at 95% RH water adsorption)
Durability according to EN 113 (without soil contact)	Juvenile wood class 4
Durability according to ENV 807 (with soil contact)	Heartwood class 2
Durability according to literature	Heartwood class 2
Bending strength, MOR (defect free samples)	106 N/mm ²
Modulus of elasticity, MOE (defect free samples)	12.500 N/mm ²
Shear strength (defect free samples)	9,6 N/mm ²
Janka hardness	5.300 N
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 (10th edition 2010).