



SUCUPIRA VERMELHO (ANDIRA)

Source

FSC Sucupira vermelho (also called Andira) is available in the forests of Precious Woods, located in the Amazon region of Brazil. The trees attain diameters of 60-90 cm. The clear trunks have lengths of 12-18 m.

Appearance

The color of the heartwood is brick red to dark (brown) red. The lighter colored parenchyma causes a nice stripy pattern. The sapwood can be easily distinguished. The grain is mainly straight, sometimes interlocked. The texture is coarse. Sometimes, compression failure and ring shake can be found.

Processing properties

Machining of Sucupira vermelho can be done easily. The sawdust can cause an allergic reaction. Pre-drilling is recommended. Gluing (including oil/stain) and finishing are reported to be good. Drying goes slowly with few risks of distortion and checking.

Application

This decorative species can be used for various applications:

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

Technical properties

Green density	1.000 – 1.200 kg/m ³
Density (at 12%)	850 kg/m ³
Shrinkage green – oven dry	4,6% radial; 7,3% tangential
Shrinkage green – 65% RH (abt. 12% EMC)	1,5% radial; 2,8% tangential
Swelling between 50-95% RH	1,6% radial; 2,9% tangential
Equilibrium Moisture Content (EMC)	12,3% (at 65% RH water adsorption) 12,9% (at 65% RH water desorption) 17,1% (at 95% RH water adsorption)
Fibre Saturation Point (FSP)	23%
Durability according to EN 113 (without soil contact)	Heartwood class 1
Durability according to TS 15083-1 (without soil contact)	Heartwood class 1
Durability according to ENV 807 (with soil contact)	Heartwood class 2-3
Durability according to literature	Heartwood class 1-2
Bending strength, MOR (defect free samples)	128N/mm ²
Modulus of elasticity, MOE (defect free samples)	20.170 N/mm ²
Shear strength (defect free samples)	10,6 N/mm ²
Janka hardness	7.360 N (transversal); 7.150 N (parallel)
Strength class (EN 338)	D40 *)
Fire resistance flooring (EN 13501-1)	Cfl-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).