

Angelim Vermelho (*Dinizia Excelsa*)



Growth area: Amazon and Guyana.

Trees: The trees are in height about 30m, at a maximum of 50m with a well-shaped straight trunk of 15 – 25m length. The diameter is at maximum 1,4m.

Description: The heartwood is reddish till reddish-brown in colour and with a light figure. Unseasoned the heartwood is pale red/yellowish and can be distinguished more or less from the white sapwood. Exposure to sunlight discolours the wood to darkish red.

Texture/Figure: Intermediate figure. Straight sometimes interlocked grain.

Smell/Taste: The wood smells unpleasant when it is unseasoned.



Machining: Is easy to machine, but requires strong equipment due to its hardness. Preferably tools of stellite should be used as the wood blunts the tools. An well smoothed surface can be achieved.

Gluing: Glues well.

Drying: Relatively quickly. Causes no problems with air- and kiln drying. Cups, bows, bends and cracks rarely.

Fixation: Keeps nails and screws well, pre-drilling is necessary to avoid splitting.

Durability: Class I.

Weight: Unseasoned: 1350 kg / m³; Moisture content 12%: 1050 kg / m³

Shrinkage: Radial: 4,8%; Tangential: 8,2% (till oven-dry in general less than this)

Bending strength: 159 N/mm² (Moisture content 12-15%, measurement till rupture)

Modulus of elasticity: 19400 N/mm² (Moisture content 12-15%)

Applications: Heavy construction, piles, sleepers.