

Massaranduba (*Manilkara spp.*)



Growth area: Brazil, Guyanas, Surinam.

Trees: The trees get on average 45m in height with a trunk diameter of about 1,8m.

Description: The unseasoned heartwood is lightred till red of colour and discolours to redbrown or darkred in the air. Sapwood is white till lightbrown, therefore easy to distinguish from the heartwood.

Texture/Figure: Fine with practically uniform texture. Almost no figure or glance.

Smell/Taste: No smell or taste.

Machining: Force is needed to machine the wood which blunts the tools. Nevertheless Masaranduba can get a nice smooth surface even when it is planed wet.

Gluing: Difficult.

Drying: Should be dried slowly. Has the tendency to bend and cup. Proper stickering avoids this.

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

Durability: Class I.

Density: Unseasoned: 1300 kg / m³; Moisture content 12%: 1100 kg / m³

Shrinkage: Radial: 7,1%; Tangential: 9,4% (till oven-dry, in general less than this)

Bending strength: 190 N/mm² (Moisture content 12-15%, measurement till rupture)

Modulus of Elasticity: 19600 N/mm² (Moisture content 12-15%)

Applications: Heavy constructions, marine works, sleepers, industrial flooring, garden timber, park benches, deckings, piles.

