CAMBARA

Botanical Name: ERISMA Uncinatum and ERISMA Lanceolatum.
Family: Vochysiaceae.
Common Names: CAMBARA, Cedrinho, Jaboty, Quarubarana, Quarubatinga, which however often refer to different species, even Qualea’s, since the Vochysiaceae consist of more than 60 different species known, often leading to errors.
Found in: Amazonas, Rondonia, Mato Grosso, Southeastern Bolivia, Orinoco-area.
Trees: Usually up to 40m. tall with a typical majestic crown; red fingershaped flowers. rich in oil. Slender, straightgrown boules of 15/20m are common, diameters of 70 to 150cm no exception.
Description: Grey-whitish sap is well distinct and often 12/15cms wide. Heartwood is of uniform red to redbrown colour; usually gets a brown/red hue, when exposed to light. Pores are not fine and spread in several directions, bedded-into the Parenchym rays.
Density: Logs so green are moderately heavy, abt 1050kgs. Airdry lumber is around 700kgs/m3 and KD 12% abt. 600kgs.
Resistance: "Unless treated" Cambara is moderately resistant to Tropical insects; it's reasonably well resistant to brown-rot and fairly well resistant to white/red fungi.
Preservation: by chemicals in depth is not very easy.
Durability: Class II/III, so suitable for windowframes doorjambs, mouldings, cladding.
Seasoning: Air-drying must be done with care, slowly and in the shade. Kiln-drying should preferably be done after some air-drying on stickers and starting slowly with temp. never beyond 45/50% degrees C. at any time, so eliminating water with slowly increasing ventilation. Based on 1" boards, 3-5 weeks should be ok.
Cambara doesnt easily warp/cup but due to the "Thylle", fast seasoning might lead to casehardening and exposure to sun or excessive heat/ventilation especially in the beginning will lead to splitting/checking.
*)With proper care, drying shoulndt be a major problem.
Machining: Easy to cut,plane/turn/screw/nail. Can be worked, with ordinary tools, although other Vochysias do contain minor volumes of Silicum.
Sources: Yale/Cttf/Ibdf/Atlas das Mad. Trop.
TECHNICAL PROPERTIES OF CAMBARA.


**DURABILITY**: CLASS II/III, Has a good natural durability.
- Good resistance against Fungus.
- Good resistance against 'dry-wood-insects'.
- Bad resistance against termites.

**IMPREGNABILITY**: Fair to poor.

**SPECIFIC WEIGHT**: Green Timber 1.000kg/m3.
- KD at 12% mc  600kg/m3.

**SHRINKAGE**: Radial (T%) = 9,3%.
- Tang. (R%) = 4,3%.

**BENDING STRENGTH**: 110 N/mm².

**ELASTICITY MODULE**: 12.500 N/mm².

**COMPRESSION**: 55 N/mm²

**USES**: Staircases, windowframes, doors, doorjambs, mouldings, cladding, concrete-shuttering, interior/exterior housingpurposes.