

Quarter sawn (left), plain sawn (middle) and crosscut (right)¹



INGIEPIPA

Couratari spp.

Houtvademecum and ATIBT

Tuari

Tree and wood description

Tree height until 40 m. The straight 15-25 m tall, cylindrical, and branch-free stem has a diameter of 60-120 cm. The colour of the heartwood is white, bright yellow, yellowish-grey till light brown yellow, occasionally with a pink shade. The sap-wood is not easily distinguishable from the heartwood. Some Tauari species would contain 0,8% of silica, which results in blunt cutting tools. However, it is very easy to process, plane, turn and polish¹.

Weight and durability

Durability class: 2-5 depending on the Tauari species and wood volume weight¹. Surinam Ingiepipa seems more homogenous in density (744 kg/m³ at 14% moisture) and colour compared to its South American relatives. The species is variable in durability, but shows a promising potential, 57% of the samples in durability class 1 (14% in 2 and 29% in 4). These properties are based on research of one stem. Further research on at least two additional stems is needed to confirm these properties for the Surinam Ingiepipa². For exterior use, exposed to heavy weather, only wood with a volume weight of ≥ 600 kg/m³ at a moisture content of 12% should be used¹.

Relative resistance against animal organisms: lighter wood Tauari species, termites: S; marine borers: S; and drywood borers: S. Heavy Tauari species it is unknown¹.

Volume weight: (500-) 600 (-800) kg/m³ at a moisture content of 12%, fresh wood around 850-950 kg/m³¹.

JANKA hardness: Longitudinal plane 3900-4400 N¹.

Shrinkage radial / tangential is total 5.6% and 8.1%; wet to moisture content of 11.3%, 2.9% and 4.6%².

Common uses

Used in interior construction and carpentry, interior decorations, furniture parts, toys, musical instruments, boxes, plywood and veneer. Might be a good replacer for ramine¹. Suriname Ingiepipa could be suitable for outside joinery if a lower tangential shrinkage and a higher durability can be proven. If a higher durability cannot be proven then only inside use is possible².

Sources:

¹ Klaassen, R., 2018. *Houtvademecum*, Zwolle: vakbladen.com & smartwave.

² Klaassen, R.K.W.M., J.G.M. Creemers, 2019. *Some properties of lesser known timber species from Suriname*, Wageningen, SHR.

More information:

<http://houtdatabase.nl/?q=hout/bouw/299>

<https://www.lesserknowntimberspecies.com/species/tauari-tauari-branco>

Lesser Known Timber Species Suriname

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