



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

PAKOELI

Platonia guianensis, *P. insignis*

Houtvademeicum and ATIBT

Bacuri

Tree and wood description

The trees become 20-40 m in height and 40-80 (-120) cm in diameter. The stem is cylindrical and straight and covers 18-21 meter in length. The brown yellow heartwood is clearly recognizable from the 3-9 cm wide white-yellowish till brown yellow sap-wood. Due to the variety in lighter and darker tissue, the wood is striped and flamed. The wood is easy to process and can be worked smoothly.

Weight and durability

Relative resistance against fungi: heartwood high (based on literature and recently confirmed)^{1,2}.

Relative resistance against animal organisms: heartwood drywood borers high, termites high, marine borers unknown¹.

Volume weight: (700-)850(-1050) kg/m³ at a moisture content of 12%, fresh wood around 1100 kg/m³ (moisture content around 45%)¹.

Janka hardness: Longitudinal plane 5700 N¹.

Strength class: unknown¹.

Shrinkage radial / tangential is total 4.5% and 7.9%; wet to moisture content of 11.1%, 2.2% and 4.5%².

Common uses

Used in construction, carpentry, cladding, furniture, floors, parquet (preferably quarter cuts), vessels, turnery, veneer and plywood. Possibly suited for marine construction in fresh water¹. The species could have potential for ground construction².

Sources:

¹ Klaassen, R., 2018. *Houtvademeicum*, 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.

Lesser Known Timber Species Suriname

The LKTS Suriname project is funded by the by participating Dutch and Surinamese companies and:



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Pakoeli cladding at WTP Hardenberg, Netherlands (Source: Mark van Benthem, Probos)

Reference projects



Pakoeli decking private home, 2019
Source: Harry Vos, World Timber Products



Pakoeli decking Kulbro View bridge Aarhus, 2017 Denmark (Source Mark van Benthem, Probos)
<https://www.lesserknowntimberspecies.com/cases/kulbro-view>



Pakoeli exterior carpentry window frames and cladding at WTP Hardenberg, 2019, Netherlands
Source: Mark van Benthem, Probos



More information:

<https://www.lesserknowntimberspecies.com/species/bacuri-pakan>

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