

Piquia

Atibt

Piquia; NEN-EN 13556: Piquia (GB), piquia (F), Piquia (D), code CQXX

Other names

Ajillo (Costa Rica), pekia, souari (Guyana), sawarie, sawari (Suriname), almendro, amendoa do Peru (Peru), pequi, pequi-roxo, pequia, piquiarana, piqui, pitia (Brazilië).

Botanical Name

Caryocar villosum (Aubl.) Pers, *Caryocar* spp..

Family

Caryocaraceae.

Growing Area

Costa Rica, North-Colombia, Amazon and Guyana's



Tree Description	Tree height 36-45m, diameter 1.5-2m (5m has been observed) in Amazonia, in Colombia diameters of 0.9-1.2m. Length of branch-free trunk up to 21m, has good form.
Supply	Sawn wood.
Wood Description	The sometimes greasy heartwood is light yellow to light grey-brown with sometimes a pink tinge and a more or less distinct stripe pattern due to an alternation of thick-walled and less thick-walled wood cells. Heartwood hardly distinguishable from sapwood.
Timber recognition	Yellowish-brown in colour, freshly sawn smelling of vinegar, sometimes oily to the touch, on head flat vessels with thylenes and diffuse parenchyma.
Thread	Mostly crosshairs.
Nerf	Moderately coarse to coarse.
Volumetric mass	(780-)810(-980) kg/m ³ at 12% moisture content, fresh 1120 kg/m ³ (moisture content about 55%).
Shrinkage	Radial 5.0-5.5% and tangential 8.0-9.7%.
Drying	Slow with tendency to deform and to form superficial cracks, and risk of crust hardening.
Hardness	Longitudinal plane 7700 N.



Machinability	Sawing piquia is easy to moderately difficult, with slight to moderate dulling on cutting tools.
Nailing and Screwing	Pre-drilling required.
Glueing	Bad.
Bending	Not Known
Surface Finishing	Moderate to good.
Impregnability	Heartwood 3, sapwood not known (according to NEN-EN 350).
Applications	Construction timber indoors and outdoors and also in water especially for structures where hardness and abrasion resistance are required.
Strength Class	Classified D30.

Durability

Relative resistance to fungi

Variable, possibly caused by the different species and by the more or less fatty character. Heartwood class 2 (NEN-EN 350: practical experience and field research), class 3 (NEN-ENV 807: laboratory test with ground contact), class 1 (NEN-EN 113: laboratory test without ground contact).

Relative resistance to animal organisms

Heartwood: drywood borers S, termites D and marine borers not known (NEN-EN 350).