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ND/MD

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I T A U B A.

Scientific name	:Mezilaurus Itauba. (Taub.)
Family name	:Lauraceae.
Common name	:ITAUBA, Louro Itauba, Kaneelhout
Locations	: Mostly in Amazone highlands and Para, but also in northden Mato : Grosso. Also common in Guiana's but rarely.
Trees	: Mostly 25-35m. high with a diameter of 100cm and less. Good quality : logs are about 18-20 meters long.
Description	: Heartwood is yellow/brown but exposed to sunlight/air the heartwood : becomes brown/dark brown. Sapwood white/yellow and small but : exposed to sunlight/air it becomes yellow.
Structure	: medium up to fine texture and has a satin luster. The timber always : contain some silicon and this makes the timber more durable. : The medullary ray are fine and almost not visible. The grain is most : times straight but sometimes interlocked. Itauba has oil a round the : veins, which are microscopic small but the wood feels a bit waxy. : The radial face of the wood has pores which give light stripes. These : stripes are decorative.
Odour/taste	: In GREEN condition it smells like cinnamon, but it loses his smell : when the lumber loses his moisture. Due to the fact that Itauba loses the : cinnamon smell quickly it's suitable for consumer products, such as : gardenfences or anti-grid boards. No specific taste.
Properties	: Aldo hard and highly durable, it isn't difficult to sawn or plane but it's : advisable to use sharp tools. It's good to sawn, plane and too finish, but : the wood is tough and it contains silicon so it blunts the tools. : Regally changing the knives is necessary.
Drying	: A slow drying schedule is advisable, all do the wood doesn't deform or : crack much. It's advisable to protect the ends during warehousing.
Nailing/Screwing	: Holds nails and screws very good, all do pre-drilling is necessary.
Durability (* & **)	: Itauba is extremely durable and has a very high resistance against all : insects and termites. It has no problem with woodworms, dry-wood- : insects, salty/sweet water bores (Neoteredo) and is also highly durable : against fungus or rot.



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(*) Prof. Gottwald writes that Itauba is with Azobe, Greenheart, Manbarklak or Ironwood to compare, because of the durability and properties.

(**) Yale university writes: "This timber is highly durable with many of the properties of species like Teak, Ekki and Greenheart and we consider this one of most valuable timbers of the Amazonas, especially in contact with salty waters, so highly suitable for Naval Constructions.

Availability : There is plenty of production in the Mato Grosso and some in the
: Amazone.

Technical properties.

Durability	Class I
Durability against Termitates	High resistance
Durability against Fungus	High resistance
Durability against dry-wood insects	High resistance
Durability against all types of bores	High resistance
Impregnability	Rather poor, very difficult and unnecessarily.
Specific Weight : Green	1070-1170 kg/m ³
KD 12% MC	870-950 kg/m ³
Shrinkage Radial (R%)	3,7% <u>Until 0% moisture</u>
Tangential (T%)	9,7% <u>Until 0% moisture</u>

Bending Strength	124 N/mm²
Elasticity module	16.200 N/mm²
Compression Axial until rupture	62 N/mm²

Uses : water- and maritime constructions, ships, heavy outdoor and indoor
: constructions, bridges, sluices, beams, industrial flooring, railway
: sleepers. Popular in Brazil for window scantlings, furniture, veneer.
: Popular in Holland for pholes, anti-grid and fencing.

Comparable : According to the literature it's comparable with Azobe & Greenheart
: Manbarklak, Ipe, Borneo Ironwood.

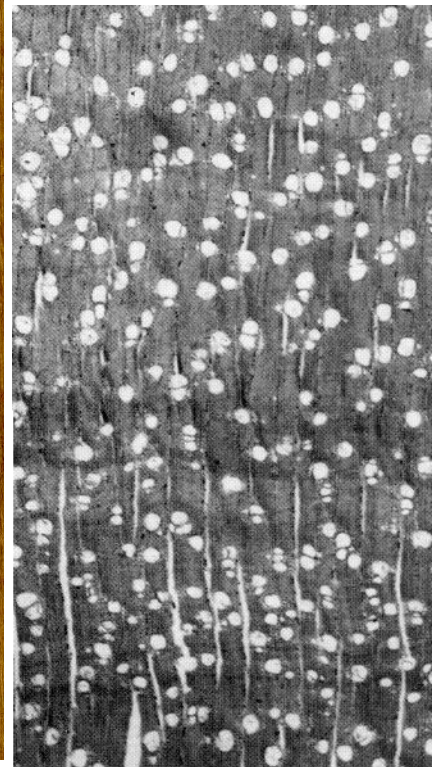
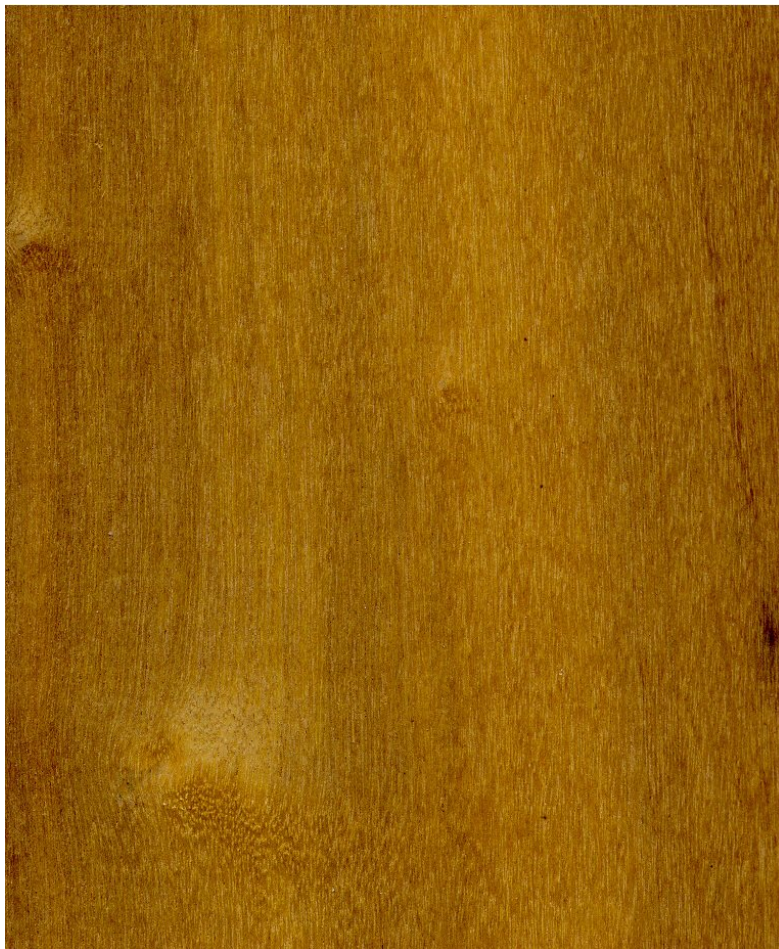
Sources : 'Timbers of the New World' van Yale University, Instituto Brasileira de
: Desinvolvimento Florestal, U.S. Forest Service and Forest Products
: Laboratries, Centre Technique Forestiere Tropical, Arvores e Plantas
: Uteis/Madeiras da Amazonia, IBAMA (Ministerie van Ecologie en
: Houttechniek) Madeiras Tropicais Brasileiras, Prof. M.H. de Souza.



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ITAUBA FOTO'S :



Coupe transversale (× 14)