



Derlage Junior Hout V.O.F.
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ND/MD

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TATAJUBA

Scientific Names : Bagassa Guianensis.

Family name : Moraceae.

Common Names : Bagasse, Bagceira, TATAJUBA.

Locations : Mainly in the Amazon Basin and partly in the Guyanas.

Description : Heartwood when fresh is YELLOW/STRAWCOLOUR with often
: BROWNISH stripes, fairly differentiated from the pale-white sapwood
: which usually is 3/4cms wide. Exposed to air the heartwood becomes
: GOLDEN BROWN-BROWN, very similar to Iroko. Rather uniform
: collared.

Structure : medium uniform texture, some lustre and design on radial surface.

Grain : Fairly straight with slight 'countergrain'.

Odour/Taste : No particular odour nor taste.

Properties : Needs power for cutting but has no blunting effect on tools/saws.
: Cutting/finishing produce a smooth surface and excellent finish, unless
: some difficulty caused by more pronounced cross-grain.

Drying : Without important risks of deformation, such as cupping/warping,
: splittingrisk is minimal. Like Iroko, 'stickering-marks' may occur during
: seasoning.

Nailing/Screwing : Keeps nails very well. Pre-drilling sometimes preferable.

Gluing : Good and easy.

Bending : Good.

Finishing : Good but to avoid rough surfaces while planning, knives should be under
: 15/20 degrees angle, attacking the timber. Varnishing is easy especially
: when using cellulosis and polyurethane lacquers.

Availability : There is plenty of production of Tatajuba, although Export is still small it
: is increasing.



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Technical Properties: T A T A J U B A.

Durability : CLASS I/II, has a high natural durability.
: Very high resistance against Fungus.
: High resistance against Termites.
: High resistance against dry-wood-insects.

Impregnability : Rather poor and very difficult.

Specific Weight : Green timber 1050-1150 kg/m³. **KD at 12% MC** 700-800 kg/m³.

Shrinkage : Radial (T%) = 1,8%. **Tang. (R%) = 2,4%.**

Bending Strength :141 N/mm².

Elasticitymodule :17.700 N/mm².

Compression : 79 N/mm².

Cleavage : 52 N/mm². (Per mm width)

Slidingresistance :13,3 N/mm².

Hardness // :9530 N/mm² (Radial)

Hardness vert. :7700 N/mm² (Tang.)

Mechanical Properties Green & 12% MC (bron: IBAMA).

| | Green | 12% MC |
|--|-----------------------------|-----------------------------|
| Static Bending: Modulus of rupture | 1067 kgf/cm ² | 2269 kgf/cm ² |
| Static Bending: Modulus of elasticity | 115 1000kgf/cm ² | 118 1000kgf/cm ² |
| Max. Compression : Pararell to the grain | 572 kgf/cm ² | 801 kgf/cm ² |
| Compression : Perpenducular to the grain (Stress at proportional limit) | 105 kgf/cm ² | 139 kgf/cm ² |
| Tension: Perpenducular to the grain (max. compression) | 74 kgf/cm ² | 53 kgf/cm ² |
| Shear: Max. Compression | 120 kgf/cm ² | 128 kgf/cm ² |
| Janka Hardness Parallel | 830 kgf | 1007 kgf |
| Janka Hardness End | 703 kgf | 753 kgf |

Uses : Staircases/steps,Prefab-Housing, Window frames, Doors, Sporting equipment, Naval Constructions, such as deckings, gangways,bridges,Post,Beams, Parquetry etc.

Sources : 'Timbers of the New World', Yale University Press., CTFT Atlas de Mad. Trop.
: Am. do Sul. Arvores e Plantas Uteis. Madeiras da Amazonia, Biblioteca Bras.
: de Madeiras, IBDF, HoutVademecum, Caracteristicas e utilizacoes das
: Madeiras de Tucurui.



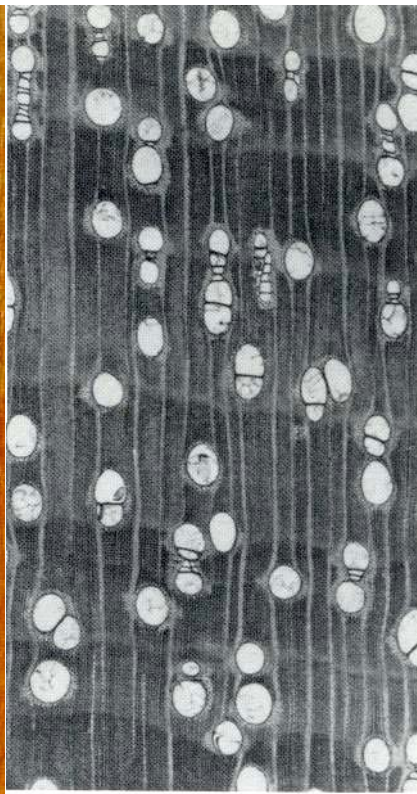
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TATAJUBA PICTURES:



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Coupe transversale (× 14)

