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ND/MD

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GONCALO-ALVEZ/MUIRACATIARA

Scientific name: Astronium fraxinifolium & Astronium lecointei (Ducke)

Family name : Anacardiaceae

Common name: MUIRACATIARA/GONCALO-ALVEZ, GOLDEN EBONY.

Locations : The Astronium fraxinifolium grows in whole Brazil, from Amazon up to
: Paraguay.

Trees : Boules are about 15-16 meter long with a diameter of 45 up to 70cms.

Description : Heartwood from light up to dark brown red with vertical black brown veins.
: This gives a very beautiful design after finishing. Sap wood white/grey up to
: white/pink.

Structure : It's medium hard, heavy and has fine grain with fine medullary ray and has a
: fine lustre. Very stable.

Grain : In general straight, some times interlocked.

Odeur/Taste : NON

Properties : Good to sawn and to plane. Has a bit blunting effect of knives. You need
: necessary strength to sawn and to plane it. Finish very well. Gluing is difficult.

Drying : A medium/slow drying schedule is advisable. Small risk on deformation and
: splitting.

Nailing/Screwing: Hold Screws/nails very well. Pre-drilling for nails is advisable.

Availability : Is very common in whole South America. The Benelux is demanding it more
: and more.



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Technical properties MUIRACATIARA

Durability	class II
Durability dry-wood-insects	high resistances
Durability fungus	very high resistances
Durability termites	good resistances
Impregnate	very difficult
Specific Weight : Green	1100 kg/m³
KD 12% MC	880 kg/m³
Shrinkage Radial (R%)	4,1% <i>until 0% moisture</i>
Tangential (T%)	7,3% <i>until 0% moisture</i>

Mechanical properties KD 12%.

Bending Strength	133 N/mm²
Elasticity module	17100 N/mm²
Compression Axial until rupture	76 N/mm²

Uses : Furniture, parquetry, staircases/steps, knives, wall panelling, heavy constructions, indoor & outdoor carpentry, heavy constructions, garden products such as fences and anti-grid, sweet water canalisation or sweet water constructions.

Comparable : This decorative and durable specie is comparable with Pallsander

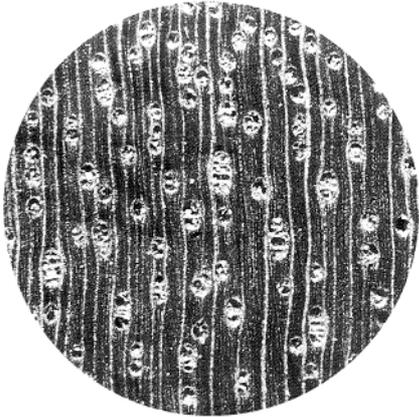
Sources : 'Timbers of the New World', Yale University Press., Instituto Brasileiro de Desenvolvimento Florestal. CTFT Atlas de Mad. Trop. Am. do Sul. Arvores e Plantas Uteis. Madeiras da Amazonia Biblioteca Bras. de Madeiras. IBAMA.



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MUIRACATIARA FOTO'S



Seção transversal (x 10)
Cross section (x 10)

