

Melunak

Atibt
Melunak

Other names

Balong ayam, bary baran, baru, janda baik, kebal ayam, kempayang hantu, melunak, pinang baik, takalis, (Maleisië), kedang pinit, melunak (Brunei)

Botanic name

Pentace adenophora Kosterm., *Pentace burmanica* Kurz, *Pentace curtisii* King, *Pentace laxiflora* Merr., *Pentace macrophylla* King, *Pentace triptera* Mast., *Pentace polyantha* Hassk., *Pentace* spp..

Family

Malvaceae (was Tiliaceae)

Growth area

Myanmar, Indochina, Thailand, Maleisië, Sumatra, West-Java, Borneo, Celebes en het zuiden van de Filipijnen.



Tree Description

Small but also larger trees up to 60m high and 50 to 125cm in diameter, sometimes with up to 2.5m large plank roots, otherwise and straight calcareous, fault-free trunk of 20-25m.

Supply

Sawn, edged wood.

Wood Description

The heartwood is orange-brown, red-brown and sometimes even deep red-brown and is fairly distinct from the approximately 8cm wide straw yellow sapwood. Freshly sawn wood has an unpleasant acidic odor.

Wood Recognition

Brown in color, with lighter color streaks, on the end face many smaller barrels, on the dose face with etage building, often in all elements.

Grain

Straight grain, slightly cross-grained.

Texture

Medium Fine.

Voluminous mass

(530-755) kg/m³ at 12% moisture content, varies between too species.

Shrinkage

Radially 1.4% and tangentially 2.5%, but more for heavy species. (2.5% radial and 5.0% tangential at a volumetric mass of 650 kg/m³, 12% moisture content).

Drying

Little risk of defects when dried, may warp or crack slightly and may give some head cracks and discoloration.

Hardness

Longitudinal plane 4200 N.



Machinability	Sawing and planing go reasonably well, cross grain wood needs more attention when planing.
Nailing & Screwing	Screws well, does not split easily when nailing.
Adhesives	Not known.
Bend	Not known..
Surface finish	Not known.
Impregnability	Heartwood very difficult to impregnate.
Applications	The wood is used for interior construction, interior paneling, interior structures, furniture, floor lumber, sleepers, plywood, stairs, pallets, musical instruments, rulers, canes.
Strength class	Not known.

Sustainability

Relative resistance to mold

Kernhout klasse 3 (kerkhofproef Maleisië), verder wordt klasse 2-5 genoemd (literatuur).

Relative resistance to animal organisms

Kernhout: drooghoutboorders waarschijnlijk beperkt, termieten onbekend en marineboorders onbekend.