

Gombé - Bondu

Atibt

Gombé

Other names

Gombé, Ekop-Gombé (Cameroon), Broutou (Côte d'Ivoire), Angok (Ghana), Bondu (Liberia), Timba (Sierra Leone), Toubauaté (Côte d'Ivoire), Tow (Gabon).

Botanic name

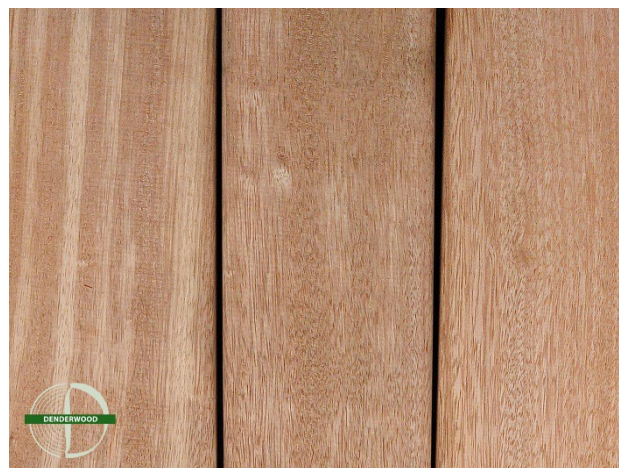
Didelotia africana Baill., *Didelotia brevipaniculata* J. Léonard, *Didelotia idae* Oldeman & al., *Didelotia letouzeyi* Pellegr., *Didelotia p.p.*

Family

Caesalpinioideae (Leguminosae-fabaceae, angiosperm)

Growth area

Tropical West Africa.



Tree Description

Height 50-60 m. The cylindrical trunk is 20-25 m long with a diameter of 1.0-1.2 m. The trunk has a short thick root approach at the base.

Supply

Sawn wood.

Wood Description

The heartwood is reddish-light brown, while the 2-5 mm thick sapwood is grayish-pink in color.

Grain

Cross Thread.

Texture

Coarse .

Voluminous mass

640 kg/m³ at 12% moisture content

Shrinkage

Radial 4,6% and tangential 8,6%.

Drying

The wood is easy to dry with limited risk of distortion or surface cracking. In thicker sections, the core may have a higher moisture content than the exterior. A slower, controlled drying process controls can prevent this.

Machinability

Gombé is easy to work, both by hand and machine. Due to the structure of the wood, cutting tools can dull. Partly because of this, sharp cutting tools are recommended. A cutting angle of 12° is recommended.

Nailing & Screwing

Moderate. Pre-drilling is recommended.

Adhesives

Good.

Bend

Not known.



Surface finish	Good.
Impregnability	Heartwood class 3.
Details	This African wood species resembles meranti in structure. Its orange-yellow color also evokes the feel of meranti. Gombé can also contain pinholes (pores) and freshly sawn it can give off an odor.
Applications	Interior veneer plywood, cut veneer, crates, paneling, furniture pieces, light carpentry, floor in car or truck, veneer plywood, formwork, exterior and interior joinery, seats and mouldings. The wood is not included in SKH publication 99-05.
Strength class	Not known.

Sustainability

Relative resistance to mold

Heartwood class 4.

Relative resistance to animal organisms

Heartwood: drywood borers D, termites S and marine borers S (NEN-EN 350).