



Description

Name: Manbarklak **Family:** Lecythidaceae

Botanical name: *Eschweilera* sp.

Common local name: Manbarklak

Common trade name: Kakaralli

Botanical characteristics

Mature trees reach heights of 27 to 37 m with a trunk diameters of 0.4 to 0.6 m. sometimes even up to 1.8 m. The boles are moderately well formed often somewhat fluted or slightly buttressed. The leaves are alternate and the flowers are zygomorphic. They have 6 white petals. The fruit is a woody pyxidium. The bark is grey, dark brown or red brown and they are somewhat shiny when young. The dead bark is usually 1-3 mm and the living bark is 3-5 mm thick.

Distribution

Brazil, Guyana, French Guiana, Suriname, Trinidad, Costa Rica

Wood characteristics

Heartwood of most species is light brown, grayish brown, reddish brown, or brownish buff, sometimes with black streaks, usually distinct from the yellowish sapwood. The grain is typically straight, texture fine and uniform, without a distinctive odor or taste. Depending on species, silica content may be as high as 2.4%

Processing

Working Properties of most of the species are difficult because of the high density and high silica content. Specially tipped cutters are suggested.

Durability

Most species are highly resistant to attack by both brown-rot and white rot fungi. Also most of the species have gained wide recognition for their high degree of resistance to marine-borer attack. Resistance to dry-wood termite attack is variable, depending on species.

Availability

The production in 2014 was 1,894 m³

Known uses

Marine and other heavy construction, industrial flooring.

Technical Information

Name	
Botanical name	<i>Eschweilera</i> sp.
Trade name	Kakaralli
Local name	Manbarklak
The wood	
Color	Slight grayish, redish brown or brownish black
Grain	Straight
Texture	Fine and uniform
Green density (kg/m³)	1250
Specific gravity (at 12% MC)	620 - 950
Volumetric shrinkage (from green to moisture content of 12%)	15.9% (TS = 10.3 % RS = 5.8%)
Mechanical properties (at a m.c. of 12%)	
Static bending (N/mm²)	182
Compression strength (N/mm²)	77
Janka - Hardness (N)	Janka side hardness for green material ranges from 0.58 kg to 1.12 kg
Processing properties (1 = poor , 2 = fair , 3 = good , 4 = very good , 5 = excellent)	
Sawing	2
Drying	2
Nailing	No data
Gluing	No data
Finishing	No data
Natural durability	Very good
Known uses	Marine and other heavy construction, industrial flooring.

TS= Tangential shrinkage / **RS**= Radial Shrinkage / **SD**= Standard deviation / **MC**=Moisture Content



Copyrights and disclaimer:

Texts may be reproduced for non-commercial purposes. TBI Suriname and partners are not liable for the use of the information for manufacturing and industrial purposes. The images in the information sheet have been made available by Greenheart.