



Bouls Ayous 52 mm

Item No. 02-000021



Description

The wood species abachi is one of the most exported woods in Africa. Unlike most other tropical woods, abachi grows well after clear-cutting and on abandoned farmland. Abachi is often used for work where appearance and easy workability are important, such as in sauna construction.

Trade names and other names

Abbreviation DIN EN 13556: TRSC

Botanical name: Triplochiton scleroxylon

German: Abachi, Ayous

English: obeche, ayous, african whitewood, wawa

French: ayous, samba

Italian: obeche

Spanish: samba

Portuguese: obeche

Dutch: obeche

Technical wood properties

Weight fresh/green: 530 - 600 kg/m³

Bulk density air-dry (12-15% u): 330 - 550 kg/m³

Tensile strength: 11 - 79 N/mm²

Compressive strength: 24 - 50 N/mm²

Flexural strength: 30 - 110 N/mm²

Shear strength: 4 - 7 N/mm²

Hardness according to Brinell B₁₁: 25 - 41 N/mm²

Hardness according to Brinell B₃₀: 13 - 21 N/mm²

Differential shrinkage (radial): 0.10 - 0.11%.

Differential shrinkage (tangential): 0.18 - 0.22%.

Natural durability (DIN-EN 350-2): 5, not durable

Values of the technical properties of a wood species refer to a wood moisture content of u ¯12% to 15%. All data without guarantee.

Occurrence

Abachi grows in the West African equatorial forest from Liberia to Cameroon and Congo. There it is mainly found in hilly and mountain forest areas with low rainfall.

Trunk and bark

This tree can grow up to 50 m high. A branch-free length can be up to 25 m and a diameter of 2 m. The bark of young trees is very thin. The bark is white and smooth on young trees, grey to orange with fine lines on older trees and becomes flaky and peeling with age.

Characteristics and wood colour

The sapwood of this wood is broad, pale yellow and hardly distinguishable from the heartwood. The pores are large and scattered and the alternate twist is irregular. The wood is soft, elastic, flexible and very light. The wood species abachi is not generally available as FSC.

Replacement woods

Spruce, Lime, Poplar, Whitewood, Tulip Tree, Yellow Poplar

Literature



- Wood Atlas | 6th edition in 2006 | Rudi Wagenführ
- Wood science volume 1-3 | 1982 | Hans Heinrich Bosshard
- Properties and core sizes of wood species | 1989 | Jürgen Sell / Lignum Switzerland

Specifications

Category	Lumber
Product group	Unedged lumber
Thicknesses	52 mm
Weight kg/m3	480.000
Specie	Obeche
Botanical name	Triplochiton scleroxylon
Wood type	Hardwood
Main occurrence	Africa
Wood origin	Ivory Coast Ghana Cameroon Nigeria
Certification	not certified
Colour	white

Hue	clear
Use	interior musical instrument
Surface structure	rough-cut
Humidity	10% ± 2%
Customs tariff number	44072920
Packaging	loosely
Items on stock	yes
Date of delivery	approx. 3 - 6 working days
Postal shipping	nein

Documents

	Prospekt Furniere & Massivholz
	Holzdeklaration