

Sapelli

ORIGIN

Côte d'Ivoire, Camaroon, Zaire, Ghana, Central African Republic, Congo, Nigeria, Gabon, Angola

SCIENTIFIC NAME

Entandrophragma cylindricum

COMMON NAMES

Penkwa, Sapele, M'Boyo, Lifaki, Undianuno, Aboudikrou

FAMILY

Meliaceae

SAPWOOD

Clearly demarcated

HEARTWOOD

COLOUR: Red brown to violet

VEIN: Slightly interlocked

GRAIN: Fine to medium

TEXTURE: Fine



PHYSICAL PROPERTIES

Green wood density (kg/m³): 850 - 950

Density at 12% (kg/m³): 690

Total tangential shrinkage (t%): 7,2

Total radial shrinkage (r%): 5,0

Coeff. of volumetric shrinkage (v%): 0,47

Crushing strength (n/mm²): 62

Bending strength (n/mm²): -

Static bending strength (n/mm²): 102

Modulus of elasticity (n/mm²): 13.960

Monnin hardness: 4,2

TRANSFORMATION

SAWING: Good

DRYING RATE: Normal, slight risk of distortion and checking

MACHINING: Hard due to interlocked grain

FINISHING: Good

GLUING: Regular

NAILING: Good

SCREWING: Good

USE CLASS ENSURED BY NATURAL DURABILITY

Class 2

Interior or outside

END-USE

Interior or exterior carpentry

Decorative panels

Furniture