

Iroko

ORIGIN

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

SCIENTIFIC NAME

Milicia excelsa, Milicia regia

COMMON NAMES

Iroko, Kambala amarela, Moreira e Abang

FAMILY

Moraceae

SAPWOOD

Clearly demarcated

HEARTWOOD

COLOUR: Yellow brown

VEIN: Slightly interlocked

GRAIN: Medium

TEXTURE: Fine



PHYSICAL PROPERTIES

Green wood density (kg/m³): 1-000 - 1-100

Density at 12% (kg/m³): 650

Total tangential shrinkage (t%): 5,4

Total radial shrinkage (r%): 3,5

Coeff. of volumetric shrinkage (v%): 0,44

Crushing strength (n/mm²): 54

Bending strength (n/mm²): -

Static bending strength (n/mm²): 87

Modulus of elasticity (n/mm²): 12-840

Monnin hardness: 4,1

TRANSFORMATION

SAWING: Good, but requires specific tools

DRYING RATE: Medium, slight risk of distortion and checking

MACHINING: Hard due to interlocked grain

FINISHING: Good, but pre-boring is necessary

GLUING: Regular

NAILING: Good

SCREWING: -

USE CLASS ENSURED BY NATURAL DURABILITY

Class 3

Not in ground contact, outside

END-USE

Exterior and interior carpentry

Floor

Deck

Beams

Furniture

Construction of bridges