



DATASHEET IROKO DECK BOARD

The Iroko Deck board has a colour that ranges from yellow to light-brown.

This wood material is generally used for medium to large sections of flooring, subject to medium to high levels of foot traffic, in private, residential and public structures alike. The material is not suitable for cladding building façades.

Ravaioli Legnami recommends installation using visible screws and a substructure with a centre distance between the joists of 45 cm.

Prior to installation, it is recommended that the material be kept on well secured pallets and, if possible, stored in the shade and sheltered against the atmospheric agents.

When exposed to sunlight and adverse weather conditions, the wood undergoes a natural tone and colour alteration over time and tends to turn grey.

Regular maintenance with appropriate oils can minimize this process.

PHYSICAL PROPERTIES Source Cirad	Values	Standard deviation
Specific gravity	640 kg/m ³	+/- 60 kg/m ³
Monnin hardness	4.1	+/- 0.9
Volumetric shrinkage coefficient	0.44%	+/- 0.07%
Tangential shrinkage coefficient	5.40%	+/- 0.7%
Radial shrinkage coefficient	3.50%	+/- 0.4%
Tangential shrinkage coeff./Radial shrinkage coeff. ratio	1.5	
Fiber saturation point	23%	
Stability	Moderately stable	

MECHANICAL PROPERTIES Source Cirad	Values	Standard deviation
Crushing strength	54 MPa	+/- 6 MPa
Static bending strength	87 MPa	+/- 15 MPa
Modulus of elasticity	12,840 MPa	+/- 2,496 MPa

NATURAL DURABILITY Source Cirad	
Funghi (according to E.N. standards)	Class 1-2: very durable to durable
Dry wood borers	Durable
Termites (according to E.N. standards)	Class D: durable
Use class ensured by natural durability	3
Species covering the use class 5	Yes

RAVAIOLI RECOMMENDS for installation upon screed using visible screws, the following for 1 m ² of flooring	Quantities
Iroko Deck Board 19x90x1,000/2,600 mm (gap 5 mm)	0.95 m ²
Substructure joist 20x60/70 mm exotic wood (centre distance 45 cm)	2.8 lm
Screws: AISI 304 Stainless Steel · M 4.5x35 mm Torx Tx 20	50 pcs
Off-cuts and installation excluded	

Total for the quantities recommended by Ravaoli € 133.35

for more information or details, please refer to the Ravaoli decking installation manual

MATERIAL OPTIONS	Available Lengths
Iroko Deck Board 20x120 mm	From 1,000 to 2,600 mm

PROCESSING OPTIONS

Oiling · one coat on all four sides and two coats on the visible side

90° or T&G (Tongue and Groove on head) butting with the application of a protective product (this operation generates scrap material of about 2 cm in length that will be charged to the customer).

Planing on the visible smooth side

Milling on the visible side

Tolerance: the indicated board sizes are nominal. The actual sizes may vary by up to 5% due to the nature of the wood material.
The prices indicated on these datasheets may be subject to change; please refer to the price list for the current prices.

