

# IPÈ deck tile

## 30X500X500 mm



Pre-assembled 500x500 mm, 30 mm thick deck tiles in Ipè wood, each made up of seven 15x67x500 mm boards, to create an anti-slip flooring surface, and three 15x67x500 mm battens for the substructure, positioned in a "Z" formation.

The units are fastened by Stainless Steel screws at each intersection between the battens and the boards: 2 screws on the lateral battens and 1 screw on the diagonal batten.

There is a gap of approximately 5 mm between the boards. 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 <small>Source Cirad</small>	Values	Standard deviation
Specific gravity	1.040 kg/m <sup>3</sup>	+/- 90 kg/m <sup>3</sup>
Monnin hardness	14.6	+/- 3.1
Volumetric shrinkage coefficient	0.68%	+/- 0.09%
Tangential shrinkage coefficient	6.40%	+/- 0.9%
Radial shrinkage coefficient	5.10%	+/- 0.50%
Tangential shrinkage coeff./Radial shrinkage coeff. ratio	1.3	
Fiber saturation point	20%	
Stability	Moderately stable	

MECHANICAL PROPERTIES <small>Source Cirad</small>	Values	Standard deviation
Crushing strength	95 MPa	+/- 10 MPa
Static bending strength	166 MPa	+/- 28 MPa
Modulus of elasticity	22,760 MPa	+/- 2,244 MPa

NATURAL DURABILITY <small>Source Cirad</small>	
Fungi (according to E.N. standards)	Class 1: very durable
Dry wood borers	Durable
Termites (according to E.N. standards)	Class D: durable
Use class ensured by natural durability	4
Species covering the use class 5	Yes