

IPÈ deck board

The Ipè deck board has a colour that ranges from brown to olive green. It's the most widely used wood in the Decking industry and can be used for small, medium or large floors, subjected to low or high levels of foot traffic, in private, residential, commercial and public structures alike.

Due to its characteristics and properties, it's even suitable for use as cladding for buildings.

recommends installation using visible screws or clips. The substructure joists should have a centre distance of 45 cm for installation using visible screws, and a centre distance of 30 cm for installation using clips. Different types of milling are available for installation using clips (symmetrical and/or concealed).

Before the installation, it is recommended to keep the material on well secured pallets and, if possible, stored in the shade and sheltered from 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 <small>Source Cirad</small>	Values	Standard deviation
Specific gravity	1,040 kg/m ³	+/- 90 kg/m ³
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



for installation upon screed using visible screws, the following for 1 m² of flooring		Quantity
Ipè Deck Board 19x90 mm (gap 5 mm)		0.95 m ²
Substructure joist 20x60/70 mm exotic wood (centre distance 45 cm)		2.8 m
Screws: AISI 304 Stainless Steel - M 4.5x35 mm Torx Tx 20		50 pcs
Off-cuts and installation excluded		

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

for installation upon screed with symmetrical milling, the following for 1 m² of flooring		Quantity
Ipè Deck Board 25x140 mm (gap 5 mm)		0.95 m ²
Symmetrical milling		0.95 m ²
Substructure joist 42x45 mm dual-layer impregnated Larch wood 4 sides (centre distance 30 cm)		3.5 m
Clips: AISI 304 Stainless Steel "4 holes"		25 pcs
Screws: AISI 304 Stainless Steel - M 4.0x30 mm Torx Tx 15		50 pcs
Off-cuts and installation excluded		

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for installation upon screed with concealed milling, the following for 1 m² of flooring		Quantity
Ipè Deck Board 25x90 mm		1.08 m ²
Concealed milling		1.08 m ²
Substructure joist 42x45 mm dual-layer impregnated Larch wood 4 sides (centre distance 30 cm)		3.5 m
Clips: AISI 304 Stainless Steel "4 holes"		35 pcs
Screws: AISI 304 Stainless Steel - M 4.0x30 mm Torx Tx 15		70 pcs
Off-cuts and installation excluded		

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MATERIAL OPTIONS	Available Lengths
Ipè Deck Board 20x140 mm (no millings)	950/1,250/1,550/1,850 mm

PROCESSING OPTIONS
Pre-Oiling - One coat on all four sides
90° or T&G (Tongue and Groove on head) butting with the application of a protective product (this operation generates scrap material of about 5 cm in length that will be charged to the customer).
Planing on the visible smooth side (only for installation using visible screws)
Milling on the visible side (only for installation using visible screws)

Tolerance: the indicated board sizes are nominal. The actual sizes may vary by up to 5% due to the nature of the wood material.