



DATASHEET TEAK DECK BOARD

The Teak deck board has a colour that ranges from light yellow to bronze. It contains a natural oily resin that renders it extremely durable.

This wood material can be used for floors subject to low to medium levels of foot traffic and for predominantly residential environments.

Its constant dimensional stability, water resistance and beauty render Teak particularly popular on the market. It can be used as a flooring material, as well as for building façades and general marine applications.

Ravaioli Legnami recommends installation using clips, with concealed or classic milling for the deck boards, and a substructure with a centre distance between the joists of 30 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	670 kg/m ³	+/- 60 kg/m ³
Monnin hardness	4.2	+/- 1.3
Volumetric shrinkage coefficient	0.34%	+/- 0.07%
Tangential shrinkage coefficient	4.70%	+/- 0.8%
Radial shrinkage coefficient	2.60%	+/- 0.4%
Tangential shrinkage coeff./Radial shrinkage coeff. ratio	1.8	
Fiber saturation point	24%	
Stability	Stable	
MECHANICAL PROPERTIES Source Cirad	Values	Standard deviation
Crushing strength	56 MPa	+/- 6 MPa
Static bending strength	98 MPa	+/- 13 MPa
Modulus of elasticity	13,740 MPa	+/- 2,749 MPa
NATURAL DURABILITY Source Cirad		
Funghi (according to E.N. standards)	Class 1: very durable	
Dry wood borers	Durable	
Termites (according to E.N. standards)	Class M: moderately durable	
Use class ensured by natural durability	4	
Species covering the use class 5	Yes	

RAVAIOLI RECOMMENDS for installation upon screed with classic milling, the following for 1 m ² of flooring	Quantities
Asian Teak Deck Board 19x90x1070/2,420 mm (gap 4 mm)	0.96 m ²
Classic milling	0.96 m ²
Substructure joist 20x60/70 mm exotic wood (centre distance 30 cm)	3.5 lm
Clips: AISI 304 Stainless Steel "omega" two holes	35 pcs
Screws: AISI 304 Stainless Steel - M 4.0x15 mm Torx Tx 15	70 pcs
Off-cuts and installation excluded	

Total for the quantities recommended by Ravaoli € 239.89

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

RAVAIOLI RECOMMENDS for installation upon screed with concealed milling, the following for 1 m ² of flooring	Quantities
Asian Teak Deck Board 19x90x1070/2,420 mm (gap 5 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 lm
Clips: AISI 304 Stainless Steel "4 holes"	35 pcs
Screws: AISI 304 Stainless Steel - M 4.0x20 mm Torx Tx 15	70 pcs
Off-cuts and installation excluded	

Total for the quantities recommended by Ravaoli € 271.67

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MATERIAL OPTIONS	Available Lengths
Asian Teak Deck Board 19x120 mm	From 1,070 to 2,420 mm
Burmese Teak Deck Board 22x140 mm	From 1,000 to 3,200 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)

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.
The prices indicated on these datasheets may be subject to change; please refer to the price list for the current prices.



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