

DATA SHEET

Merbau



This technical sheet brings together the technological characteristics of the species as available according to the Center for International Cooperation in Agricultural Research for Development CIRAD. It also lists the technical properties brought specifically to the species according to the transformation and production by Vetedy.

— MERBAU IS AVAILABLE IN



NEW



AFTER 6 MONTHS



Becomes gray over time in contact with humidity.

Commercial name: Merbau

Latin name: Intsia Bijuga - Afzelia Bijuga - Intsia Palembacia

Origin: Indonesia

Certifications subject to availability:



EUTR

FLEGT
licensed timber

— NATURAL WOOD

Sapwood: clearly demarcated

Colour: Orange-brown becomes dark reddish-brown or dark brown with light. Presence of yellow sulphur deposits.

Grain: straight or interlocked

Interlocked grain: slight

Texture: coarse

Specific gravity: 830kg/m³

Hardness: Very hard

Movement: Stable

Drying: KD 13% (+/-2%)

Surface: smooth without groove

Ideal for outdoor constructions.

Attention, presence of tannins.

— DURABILITY

Use class: Class 4 - In ground or fresh water contact.

Covers class 5: No

Notes: This species is mentioned in standard NF EN 350-2 (July 1994). It covers use class 4, but offers variable durability against marine borers, its use in a submerged marine environment is not recommended. Termite resistance ranges from «moderately durable» to «durable». The duration of performance can be modified by the situation in service (as described by standard NF EN 335-1 of January 2007).

Treatability: Class 4 - Not permeable

Termites: Class M - Moderately durable

Funghi: Class 1 to 2- Very durable to durable

— PHYSICAL CHARACTERISTICS

Density at 12% humidity (Kg/m3) MV12: 830

Coeff. of volumetric shrinkage: 0.39

Fiber saturation point: 24%

Total tangential shrinkage (RT): 4.4%

Total radial shrinkage (RR): 2.7%

TS/RS ratio: 1.6

Maximum load between standard joists (400mm): 250kg/m²

Slippery: Slightly slippery in normal conditions (except snow, frost, foam)

Safety: Wood dust can induce respiratory and skin pathologies. When cutting, the wood can give rise to overheating, splinters, etc.
Appropriate protective equipment should be used.

Storage: As the wood is intended for outdoor use, it should be stored as close as possible to outdoor climatic conditions, sheltered from bad weather and direct sunlight (UV).

Recycling: In a suitable sorting center for destruction or recovery of the wood.

Maintenance: See **maintenance sheet**.

Vetedy declines all responsibility in the event of an error or in the event of a reassessment of the technical characteristics mentioned in the document by CIRAD after publication of the species sheets. 03/31/2023