

Massaranduba Brazilian Redwood – technical specifications

Massaranduba redwood and bulletwood features, common names, uses, color, grain, mechanical properties

Massaranduba Brazilian Redwood hardwood description in short:

- Massaranduba, also known as Brazilian Redwood or Bulletwood usually straight grained, fine grain and little drawing
- pink brown to purple brown heartwood (Flesh)
- light brown sapwood
- **very durable heartwood**
- suitable for heavy frames, outside staircases, terraces, floors, engineering work
- Drain delivers natural rubber type Balata also called latex.



Origin

Massaranduba (Manilkara spp.) Belongs to the family of Sapotaceae and comes from South and Central America, from countries such as Guyana, Mexico, Brazil, French Guiana, Puerto Rico [US], Panama, Guyana, Dominican Republic, Colombia, Bolivia, Venezuela, Peru, Suriname.

Common Names massaranduba : Acana, Macaranduba, Bulletwood, Chiczapota, Aus, Ausabo, Balata, Quinilla colorada, Balata franc, Balata gommeBolletri, Bolletrie, , Balata rouge, Barauna, Beefwood, Maparajuba, Massarandu, Nispero, Pamashto, Paraju, Red balata.

massaranduba tree attaining heights of 100 to 150 feet



typical Brazilian Redwood massaranduba log

Massaranduba Brazilian RedWood Description

Fresh is the flesh-colored wood, darkens to grayish brown, dark brown or sometimes purple brown. Fresh is Massaranduba flesh colored, darkens to greyish brown, dark brown or sometimes purple brown. The heartwood is clearly distinguishable from the 30-50 mm wide white to pale brown sapwood. Massaranduba has no distinctive odor or taste.

Tree: The massaranduba tree is usually large, attaining heights of 30 to 50 meters, with diameters of 60 to 120 cm, sometimes reaching 1.8 m. Trees are usually swollen at the base, and boles are often straight and clear to about 18 m.

Grain: The grain is straight, sometimes slightly wavy or interlocked with a very fine texture.

Durability

The heartwood is very durable (natural durability class I). The sapwood is not durable (natural durability class V).

Quality

Massaranduba stated in NEN 5493 'Requirements for hardwood in earthworks, civil engineering works and other structural applications.

Strength class

Massaranduba class Categorie3/Tropisch/NEN 5493 is divided into strength class D70 (EN 338)



masaranduba Brazilian Redwood hardwood deck stock

Massaranduba Workability

Massaranduba is surprisingly easy to work for as a heavy wood and despite its density. It machines and finishes to a very smooth surface. The timber takes a fine polish and has the appearance of walnut. Yet when machining irritating dust. Always allow a good extraction.

Drying and seasoning is a big risk of deformation and cracks. Generally reported to be difficult to dry, tending to develop severe checking, warp and casehardening. Screws and pre drilling necessary. Adhesives: moderate.



pallets of massaranduba hardwood deck

Durability class: 1. **Resistance to animal organisms:** Termites Class M (moderately durable)

Finish

The finish of Massaranduba no problems.



Massaranduba Brazilian Redwood applications:

Hydraulic structures in shipworm free areas, decks, flooring, sleepers and garden timber. Furthermore, for turning and billiard cues, knobs and handles, parquet and strip flooring, heavy frames, exterior joinery

such as staircases and terraces, industrial floors, engineering works,
turning and violin bows

Modulus of elasticity 20.000 N/mm² 20,000 N / mm²

Density: fresh cut 1050-1350 kg / m³

at 12% moisture content from 850 to 1200 kg/ m³.

Strength Class = D60

Particulars

Contact with plain steel causes blue stains on the massaranduba wood, therefore there should be no contact at all with steel and if you do use steel, please only use stainless steel. While installing your deck, profiled decking 21 and 28 mm thick should be firmly fastened. The supports should be placed at a mutual distance of 40 cm.

When shipping, it is shown that the wood should be firmly put in connection with the shrill draw. If the above requirements are observed it is very unlikely that the wood will warp.

Hardydeck sells Massaranduba only kiln dried KD. Standard sizes are thick 19/20 or 21mm x wide 90/120/140 or 145mm wide; US sizes ¾" x 3,5" or 5,5"; ask for a quote@hardydeck.com