



Prima Timber Decking



Brings the
Beauty of Nature
to your outdoor..

Enjoy the beauty of the rainforests...



Decking is a superb way to enhance any home garden or commercial property

Alawali, as a company devoted for supply and installation of timber products of the highest quality, seeks to supply its customers with a wide variety of fine woods, highly specialized, which come from the natural forest lands. Our speciality is offering a different product, capable of representing beauty, life and the diversity of the native forests. These products aim to be a source of inspiration in the spaces of those who enjoy nature and look to incorporate it in their day to day lifestyle.



Alawali provides several different options for decking materials, including real timber and composite lumber. Each material is so versatile and easy to work, practically any shape, size or style of structure is possible



Whether you are thinking about a large elevated split-level deck for entertaining or a small intimate space for relaxing, you'll find that **Prima Timber Decking** solutions provide an ideal cost-effective and practical solution.

It is our goal to provide our customers with the best products available constantly watching for ways to improve quality and service.

Our range of products includes :

Kwila (Merbau), Yellow Balau, Red Balau, Cumaru,.*

*Other species can be supplied according to customer specifications

MERBAU (KWILA)

Technical Specifications :

Botanical name : INTSIA BIJUGA, INTSIA PALEMBANICA

MERBAU (KWILA) is a hardwood ideally suited to the manufacture of outdoor decking. Not only does it have a beautiful grain and appearance, it is regarded as one of the world's most durable timbers.

Color

Merbau heartwood has a yellowish-brown on orange-brown color when first cut, turning darker with age to a brown or deep reddish-brown.

Durability

Class 2 : Highly resistant to decay when fully exposed to the weather, clear of ground, and well drained with free circulation. Merbau is moderately decay resistant on the ground. Minimal shrinkage due to weathering and grain provides high resistance to splintering. The average life expectancy is 25-50 years with proper installation.

Weathering process

Merbau products need a minimum of care to maintain the new look of the timber. Merbau's natural oil will cause the deck to bleed when initially exposed to rain or heavy dew. The natural oil remaining in the wood acts as a preservative to protect the timber from splitting or cracking. Merbau will turn a silvery gray if left untreated but can easily be restored to the original color with simple maintenance.

Hardness : Janka hardness rate : (1925 lbs/psi)

Stability: High

Moisture rate : 12%

Density : 840 kg/m³

Insect Resistance

Merbau is highly resistant to insect infestation.

Dimensions*

28mmx 145mmx 1800-5700 mm
25mmx 140mmx 1800-5700 mm
21mmx 145mmx 1800-5700mm
19mmx 70/90/140mmx 1800-5700mm

*Custom sizes are also available



CUMARAU (Brazilian Teak)

Technical Specifications :

Botanical name :

DIPTERYX ODORATA,
BRAZILIAN TEAK,
ALMENDRILLO, CHAMPANHA,
TONKA, SOUTHERN CHESTNUT.

Cumaru is one of the hardest woods on the planet, heavy, and very dense heartwood with interlocking grains. Moderately slight and even texture.

Color : Purple-red to dark red-brown

Durability

Class 2 : Cumaru is an extremely durable Peruvian hardwood. It has incredible strength and is naturally resistance to decay, rot, insect damage (marine boring worms termites) and its fire rating makes it a perfect wood for long-life exterior decking, docks, benches and bridges. Rated 25 years against decay and insect damage.

Weathering Process

Cumaru naturally weathers to a beautiful, silver-gray patina. To maintain this rich tone, apply a UV inhibitor like Penofin. Application of sealers is optional.

Hardness : Janka hardness rate (3540 lbs/psi)

Stability : High

Moisture rate : 12%

Density: 1090 kg/m³

Insect Resistance : highly resistant

*Dimensions**

28mmx 145mmx 1800-5700 mm

25mmx 140mmx 1800-5700 mm

21mmx 145mmx 1800-5700 mm

19mmx 70/90/140mmx 1800-5700 mm

Custom sizes are also available



RED BALAU (Membantu)

Technical Specifications :

Botanical name:

SHOREA SPP., SUBG.

RUBROSHOREA (RED BALAU)

Red Balau A hard, heavy, and very dense heartwood with interlocking grains. Moderately slight and event texture.

Color :

Medium Red Brown, with yellowish brown

Durability

Class-2 Extremely durable! Very suitable for decking. Resistant to abrasion, wear and dents. Very resistant to decay, insects and fungal attack, even in tropical environments. Naturally fire resistant.

Natural beauty for generations. Proven performance under extreme conditions.

Weathering Process :

We advise our customers to maintain their Red Balau decking regularly with Hardwood Oil. If not treated, Balau will weather and will turn to a silver-grey patina over the years while maintaining its strength and durability. Surface cracks on Balau are rare but may occur over time, yet will not affect the strength of the furniture.

Hardness:

Janka hardness rate :
(1600 lbs/psi)

Stability : High
Moisture : 12%
Density : 850 kg/m³
Insect Resistance

Balau is highly resistant to insect infestation



Dimensions*

28mmx 145mmx 1800-5700 mm
25mmx 140mmx 1800-5700 mm
21mmx 145mmx 1800-5700mm
19mmx 70/90/140mmx 1800-5700mm

*Custom sizes are also available

YELLOW BALAU (BANGKIRAI)

Technical Specifications :

Botanical Name

DIPTEROCARPACEAE

A hard, heavy, and very dense heartwood with interlocking grains. Moderately slight and even texture.

Color

Yellowish Light Brown

Durability

Class 2 : extremely durable! Very suitable for decking. Resistant to abrasion, wear and dents. Very resistant to decay, insects and fungal attack, even in tropical environments. Naturally fire resistant.

Natural beauty for generations. Proven performance under extreme conditions.

Weathering Process

We advise our customers to maintain their Yellow Balau decking regularly with Hardwood Oil. If not treated, Balau will weather and will turn to a silver-grey patina over the years while maintaining its strength and durability. Surface cracks on Yellow Balau are rare but may occur over time, yet will not affect the strength of the furniture.

Hardness

Janka hardness rate : (1640 ibs/psi)

Stability : High

Moisture rate : 12%

Density : 900 kg/m³

Insect Resistance : Balau is highly resistant to insect infestation

Dimensions*

28mm x 145mm x 1800-5700 mm

25mm x 140mm x 1800-5700 mm

21mm x 145mm x 1800-5700mm

19mm x 70/90/140mm x 1800-5700mm

Custom sizes are also available



METHOD OF INSTALLATION FOR DECKING

On Site Storage:

Timber delivered to site should be stored supported on level barriers not less than 150mm clear of the ground. Timber should be left block stacked and banded until required. Both seasoned and unseasoned decking should be covered to protect it from the sun and rain.

End plating and sealing :

After cross-cutting, all fresh cross-cut surfaces should be properly end sealed. We recommend a good pataffin or water based wax emulsion end sealer applied with a foam brush. End sealing helps reduce most end decking before it begin. The sooner the cross cuts are sealed after cutting and/or end trimmed, the more effective it will be.

Ventilation :

The design of the installation must allow for adequate ground-side ventilation. Proper air circulation beneath the deck is critical to insure dimensional and mechanical stability of any decking boards.

Pre-drilling:

Boards must be pre-drilled to help prevent splitting of the wood. We recommend two (2) screws per battens when installing the deck boards.

Fasteners:

All fasteners and connectors should be hot dipped galvanized or stainless steel.

Battens:

Depending on design and application either same timber decking boards or 40x40 mm red marenti battens can be used for battens.

Battens Spacing :

Thickness of decking boards (mm)	Max. Battens Spacing (mm)
19	500
22	500
25	650
30	800

Deck Fixing :

When laying decking, boards should be spaced with a 5mm gap. 19 mm thickness decking boards are to be laid on battens or continuous supports that are spaced no further than 500mm apart. Each board should be fixed at each battens with two nails, staggered to avoid battens splitting, and left flush with the surface of the board. At the ends of the boards, nail holes should be predrilled to avoid splitting and be a minimum of 12mm from the edges and ends.

Finishing and Coating :

A coating of water repellent or oil based primer should be applied to all surfaces of the decking prior to installation, paying particular attention to any cut ends, notches or holes at the time of laying.

Maintenance :

The long term performance of timber decking in weather exposed situations is dependent on regular and effective maintenance.

Before recoating, the decking should be thoroughly cleaned and the gaps between boards, particularly over battens, cleared of debris. Recoating should be carried out in accordance with the finish manufacturer's specifications.

The over-watering of pot plants standing on timber decks should be avoid. It is recommended that pots be placed in drip trays standing on small cleats. Where possible decks should be broom/blower cleaned rather than cleaned by losing.



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