

# MANGARIS

The Premium Hardwood

Your Best Choice for Decking  
Durable, Strong, and  
Beautiful Decking



Manufactured and Distributed by:  
**TATA ENTERPRISES, INC.**

Ask For **MANGARIS** The Premium Hardwood  
at Your Local Lumberyard

Locally available from:

# MANGARIS

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## Installation Guidelines

### CHECKLISTS

- Keep decking boards clean, dry and out of direct sunlight before installation.
- At least 12" air circulation below the decking structure. This allows adequate air flow.
- In placing decking boards for installation, allow 1/4" span between boards due to wood expansion.
- Positioning of pilot holes should be 3/4" from the end. 3/4" from the edge of boards.
- Consult your contractor for the best hardwood finish. Make sure stain is for hardwood and contains a UV protector.
- Finish all 4 sides or choose not to finish at all to achieve a weathered gray appearance.
- The ends of deck boards must be waxed. We recommend AnchorSeal®.

Please ask your local dealer for the detailed installation guideline sheet.

\*\*\* A few easy steps is all it takes for a beautiful, long lasting deck. If you have any questions regarding the wood product used please do not hesitate to contact us at  
**1-866-901-DECK**



TATA ENTERPRISES, INC.



Since 1893  
Members of NAWLA



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**MANGARIS** brand Red Balau, is an extremely hard, clear grade, tight grained wood with much less color variation than other hardwoods. It is a deep rich red with minor amount of fine brown lines (ribbon stripes).

Finish to maintain "furniture look" or leave natural to weather a silver gray. It is resistant to shrinking, splintering and checking, making it the ideal choice of lumber for your deck.



**MANGARIS** is:

- A Kiln Dried product which brings more long term stability to the construction of your deck.
- Uniquely beautiful and extremely durable.
- Easy to install with no maintenance required
- Ready to be installed. S4S and E4E.
- Clear Grade and highest quality lumber.
- 100% usability - no wasted material
- Naturally resistant to rot and decay.
- Naturally fire resistant.
- Much harder than California Redwood.
- Guaranteed for 20 years when installed and maintained properly.
- Environmentally sound growth and harvesting practices; plantation grown product.

## HARDNESS



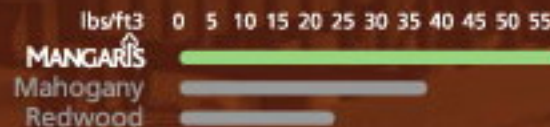
## BENDING STRENGTH



## SHEARING STRENGTH



## DENSITY



## MAXIMUM CRUSHING STRENGTH



**MANGARIS** brand Red Balau, a beautiful and very strong hardwood from Indonesia, is a superior choice for decking material.

This product comes from well managed permanent forests that are replanted in a program of sustainable agriculture. This program is overseen, coordinated, and supervised by the Forestry Department of the Indonesian Government and is controlled by the International Monetary Fund. Plantation grown hardwood is one of Indonesia's major, long term industries.



## ALLOWABLE DECKING SPANS

SIZE	LOAD		
	40psf	60psf	100psf
1x6/1x4	32"	28"	24"
5/4x6	42"	38"	32"
2x4/2x6	62"	56"	48"

Please ask your Dealer for installation tips.