

**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 amounts of fine brown lines (ribbon stripes).

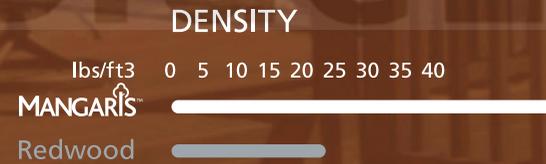
Finish to maintain "furniture look".

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.
- Ready to be installed. S4S and E4E.
- Clear Grade and highest quality lumber.
- Clear Grade means less waste.
- Naturally resistant to rot and decay.
- Naturally fire resistant.
- Much harder than California Redwood and Cedar.
- Environmentally sound growth and harvesting practices; plantation grown product.



**S4S E4E DECKING AND BOARDS**

1x4	5/4x4	2x4
1x6	5/4x6	2x6
1x8	5/4x8	2x8
1x10	5/4x10	2x10
1x12	5/4x12	2x12

**BALUSTERS AND POSTS**

2x2 balusters  
4x4 posts  
6x6 posts

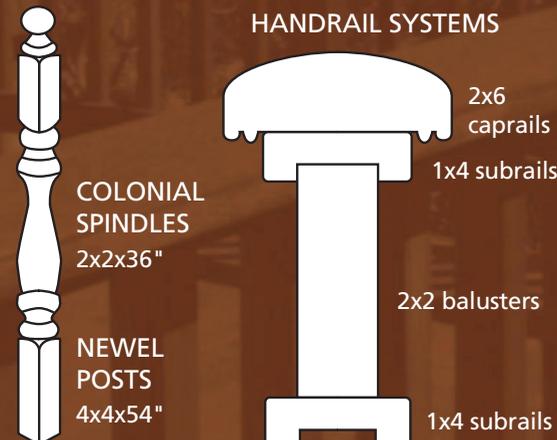
**PORCH FLOORING**

1x4 T&G  
5/4x4 T&G

**BULL NOSE STAIR TREADS** 5/4x12 bull nose

**COMBO HANDRAILS**

2x4 combo handrails



**MANGARIS™** brand Red Balau, a beautiful and very strong hardwood from Indonesia, is 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.

Plantation grown hardwood is one of Indonesia's major, long term industries.



**ALLOWABLE DECKING SPANS**

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

Please ask your Dealer for installations tips.

MANGARIS™  
The Premium Hardwood

# Installation Guidelines

## CHECKLIST

- 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 with oil based wood preservative for tropical hardwoods.
- The ends of deck boards must be waxed. We recommend AnchorSeal®.

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**

Please ask your local dealer for the detailed installation guideline sheet, or refer to Technical Support at [www.tataenterprises.net](http://www.tataenterprises.net) for more information.



TATA ENTERPRISES, INC.



Since 1893  
Members of NAWLA

MANGARIS™  
The Premium Hardwood  
Your Best Choice for Decking  
Durable, Strong, Beautiful

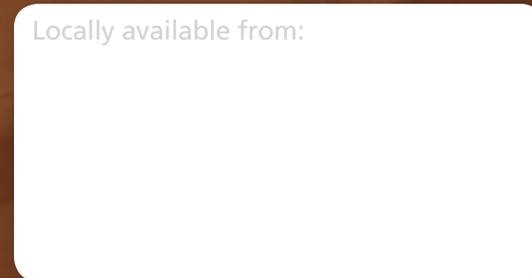


Manufactured and Distributed by:

**TATA ENTERPRISES, INC.**

Ask for MANGARIS™ The Premium Hardwood  
at your local lumberyard

Locally available from:



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The Premium Hardwood  
Your Best Choice for Decking  
Durable, Strong, Beautiful