



TATA ENTERPRISES, INC

RESIDENTIAL INSTALLATION GUIDELINES FOR MANGARIS® RED PRE-GROOVED

Storage and Handling:

- Keep your **MANGARIS®** boards clean, dry and out of direct sunlight before installation and finishing.
- Allow the material to acclimate and stabilize to the local climate (4-7 days) prior to installation.
- More time required to acclimate in hot/dry climates. (7 – 14 days)
- To Avoid Metallic Particle Corrosion Contamination, Do Not Cut Metal anywhere near the deck boards during and after installation.

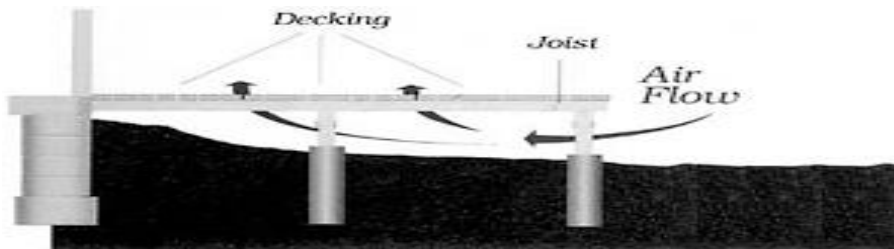
Allowable Decking spans:

| Board Size | Load (On Center Spacing) | | | |
|--------------|--------------------------|-------|--------|------------------|
| | 40psf | 60psf | 100psf | Recommend |
| 1x4, 1x6 | 32" | 28" | 24" | 16" on center |
| 5/4x6, 5/4x4 | 42" | 38" | 32" | 24" on center |

Note: Pls make sure you are complying to local building codes regulation.

Ventilation and Air Flow:

- Allow adequate ventilation for proper air flow to reduce cupping potential. (See diagram)



- Minimum recommended ground clearance:
 - a. 5/4x6 and 1x6 Pre-Grooved Board is 24" or 18" with vapor barrier and a slope drainage system to avoid standing water.
 - b. 1x4 and 5/4x4 Pre-Grooved Board is 18" or 12" with vapor barrier and a slope drainage system to avoid standing water

Finishing:

- Reduce moisture "wicking". Seal all fresh cuts with Anchor Seal (liquid paraffin wax) available from Lumber Dealer.



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- The 5/4x4 Pre-Grooved and Pre-Finished **MANGARIS®** boards have been pre finished at the mill with **Solvent Based Exterior Deck Lasur on all 4 sides.**
- A periodic cleaning and a light coat of finish will be required in order to maintain the original color of your deck, or allow weathering to a silver-gray look. Consult your dealer regarding this finish product before re finishing your deck.

Fasteners and Spacing:

- **MANGARIS®** deck boards are kiln dried. Unlike air dried boards shrinkage is very limited; however, excessive moisture may cause the boards to expand slightly.
- Recommended spacing is 1/4" for 6" (5 1/2" Net) deck boards and 3/16" for 4" (3 1/2" net) boards. Also allow 1/4" from any structures including foundations or rail post.
- **MANTIS Clips System** should be used when installing **Pre-Grooved and Pre-Finished 5/4X4 Board only**, at 24" maximum joist spacing and a **minimum 18" ground clearance with proper air flow ventilation, vapor barrier and a slope drainage system to avoid standing water.** Consult your dealer regarding this hidden system.
- When installing **MANGARIS®** hardwood decking, as with many other wood products, we recommend the use of a protective respiratory mask, gloves and eye protection. Wood dust may cause irritation and allergic effect. If you should have safety concern; please ask your local department of building and safety prior to starting your project.
- For technical or installation questions, call 1-866-901-DECK, 8AM – 5PM Pacific Time.

Disclaimer

MANGARIS® Hardwood Decking is carefully manufactured and inspected to ensure the finest quality. However, these are natural wood products and are subject to variant in color, density, grain and performance. Natural wood products are also subject to dimensional change due to expanding and contraction caused by the changing on moisture and humidity in the environment surrounding the wood. Therefore, shrinkage, swelling and surface checking are very common occurrences.