

Finishing Options (cont.)

The natural density and alkaline content of Kiln Dried Hardwoods can cause a reaction with certain finishes affecting their drying and adhesion. A color change may occur. A test on some sample pieces is suggested to insure desired results.

Kiln Dried Hardwood decking can also be pressure washed, but you must be careful not to damage the surface fibers by setting the pressure too high. Pressure washing may be necessary between oil treatments in order to remove surface discoloration.

Porch Flooring

It is recommended that all T& G exterior applications be in a covered environment and be installed with a pitch to allow for proper drainage. Please refer to local building codes for specifics on pitch requirements. Material should be finished on all six sides before application to prevent moisture from collecting on the underside of the project. T&G products do not allow the spacing for ventilation and drainage of S4S products, which is why only covered installations are recommended. Fastening should be done with stainless steel fasteners, preferably ring shank or barbed.

Disclaimer

Our tropical decking products are carefully manufactured and inspected to ensure quality. However, these products are natural wood products and as such are subject to variations in weight, density, color, grain and

performance. Wood decking is subject to dimensional changes as the moisture content in the wood changes with humidity in the air. Swelling, shrinkage, checking and other movement of individual pieces are normal occurrences in wood decking.

Sizes, lengths and pricing are subject to change without notice.

Local building codes must be consulted when building an exterior deck. Most counties require building permits.



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Redwood Empire

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Kiln Dried Hardwood Decking

*Brazilian Redwood, Cumaru,
Tigerwood & Cambara*

Installation Guidelines

Be sure to complete this checklist:

- Material stored out of direct sun and weather
- Material allowed to equalize at site
- Spacing @ 3/16" for 4" and 1/4" for 6" boards
- T&G Porch flooring in covered areas only
- Adequate cross ventilation under deck
- Span of 16" max for 1x4 and 1x6
- Span of 24" max for 5/4x4 and 5/4x6
- Stainless Steel Fasteners
- Pre-drilling required
- Seal end cuts with Anchorseal wax
- Use oil based finish on all 4 sides

***Follow enclosed detailed installation
Instructions...***

Handling & Storage

For best results, Kiln Dried Hardwoods should be kept out of direct sunlight and not exposed to weather before installation. Although Brazilian Redwood, Cambara, Cumaru & Tigerwood are kiln dried, they will need a few weeks to equalize to the ambient moisture content.

Once a deck package is delivered to the jobsite, most of the equalization has already occurred. Keep the material off the ground by placing a few pieces of lumber underneath the deck package.

Material Application

Spacing: 4" wide decking should be installed with a 3/16" space between boards, while 6" wide boards will need 1/4" space between the boards. This space will allow for air circulation, allow room for expansion and provide for the proper spacing as boards become fully seasoned. Approximate shrinkage and/or swelling is 3/16" on 4" decking and 1/4" on 6" decking.

There is almost no shrinkage or expansion on Kiln Dried Hardwoods lengthwise, so trimmed ends can be butted together tightly.

Span: You must consult local building codes to be sure you are following local regulations. Generally, 1x4 and 1x6 decking can be installed with joists 16" on center. 5/4x4 and 5/4x6 boards can be installed 24" on center. When installing on an angle, joist spacing should be 12" on center. Consult local building codes.

Ground-side Ventilation: Build your deck so that the surface is at least 16" above the ground. There must be adequate air circulation underneath the deck in order to prevent cupping/warping of boards. An open lattice type fascia is best if the deck is close to the ground. In wet areas or over water, additional clearance is recommended. In close to ground applications a vapor barrier may be necessary to prevent moisture from absorbing into the underside of the deck boards.

Required Equipment

Carbide tipped saw blades and high quality drill and drill bits are recommended to cut most Hardwoods. Ripping can be done on a standard table saw, using a well-aligned fence.

Routing or planeing can be done with both high speed steel or carbide cutters. Feed speed should be fairly slow. Sanding is recommended to complete your project.

Safety Concerns: Safety glasses and a dust mask should always be worn when working with hardwood lumber. Some people may have an allergic reaction to hardwood dust. Remove wood slivers immediately to prevent infection.

Fasteners: Strongly recommend using stainless steel screws through the face of every board. Non-stainless steel fasteners may cause discoloration near the screw. Pre-drill a pilot hole 3/4" from the end of the board and 3/4" in from the sides of the board and counter-sink them. Use two screws per board at the suggested span spacing. Use a positive stop so all screw heads end up at a consistent depth. Be sure not to let the fastener sink too

deep into the wood. The counter-sunk screws should penetrate 1-1/2" or more into the deck joists. Fasteners may be lubricated for easier assembly. Face screwing down into the joist is the only method of installation we recommend. Plugs 1/4"x3/8" may be used to hide #10 bugle head fasteners.

End Sealer: Apply Redwood Empire's "Anchorseal"; an aqueous wax to the ends of the boards immediately after a cut is made. This will insure board stability; prevent cupping and severe end checking.

Finishing Options

In order to help prevent surface checking, cupping and discoloration, we recommend all Kiln Dried Hardwood decking be finished on all four sides, prior to or immediately after installation. Especially in dry, sunny conditions, finishing should be done prior to exposure to weather.

Finishing Kiln Dried Hardwood on the underside of your deck will reduce potential cupping by inhibiting moisture from absorbing into the wood.

If a natural silver color is desired, finishing can be done with a water seal product such as Seasonite from Flood. Apply as soon as possible during or after installation of the deck. For best results, apply the treatment according to the manufacturer's directions.

To maintain the reddish-brown color, a high quality penetrating oil finish with UV inhibitors should be used. Two coats should be applied during installation. Reapply as necessary to maintain desired look.