



SERINGA

ENGINEERED EXOTIC HARDWOOD PLANK

Thank you for choosing Cryptel Exotic Hardwood Flooring. Read and follow all instructions and warranty data in this installation booklet before beginning project to insure warranty coverage.

OWNER/INSTALLER RESPONSIBILITY:

Cryptel engineered wood flooring is a natural product and is varied by nature. The inherent nuances and color variations in natural wood are characteristics, which make it beautiful and desirable. Claims for nuances and variation in color is not allowed. Inspect and mix planks to blend to your taste before beginning.

Cryptel engineered wood flooring is selected and manufactured in accordance with industry standards.

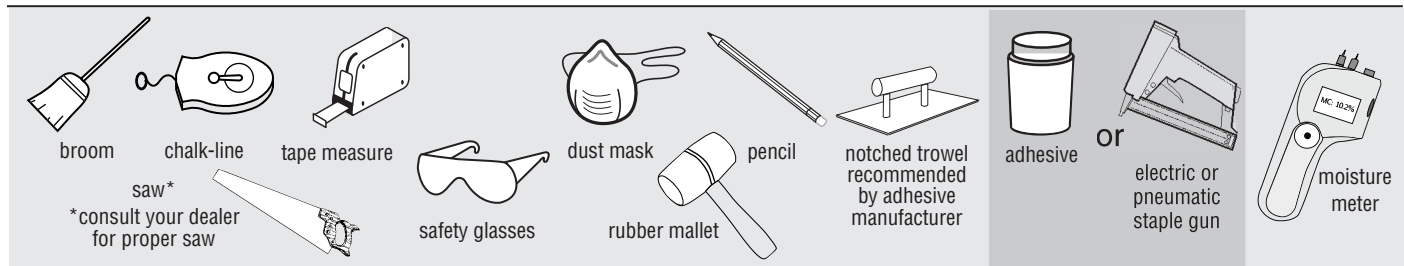
Minor squeaking of mechanically fastened floors is not unusual due to structural movements in substrate caused by changes in the environment. Proper installation can minimize this characteristic but cannot guarantee it's complete elimination.

Darkening/lightening of wood over time is normal and characteristic of all natural hardwood flooring.

WHERE THIS FLOOR CAN AND CANNOT BE INSTALLED: USE FOR INTERIOR, RESIDENTIAL FLOORS ONLY!

- 1) **Do not** install in exterior areas, such as garages, or patios.
- 2) **Do not** install in high moisture areas, such as bathrooms or laundry rooms.
- 3) **Do not** install in areas with extreme or acute seasonal changes where there is no climate control.
- 4) **Do not** install over radiant heated floors.
- 5) **Do not** install directly over concrete (see concrete slab preparation).
- 6) **Do not** install over any subfloor where moisture may exist.
- 7) **Do not** walk on floor with spiked or high heeled shoes.

TOOLS REQUIRED:



SITE CONDITION REQUIREMENTS:

- 1) Hardwood floor installation should be one of the last projects installed at a construction site. Plumbing, painting, plastering, concrete work, etc. must precede flooring installation.
- 2) The job site must be acclimated in a controlled ambient environment. Permanent heating/cooling systems should be operating prior to and during installation. The ambient temperatures should be controlled at 60 – 75 degrees with relative humidity being between 40–55%, for at least 4-5 days prior to installation.
- 3) Crawl spaces should be a minimum of 24" from the ground to the bottom of the floor joists. A minimum vapor barrier of 6 ml polyethylene film must cover the ground.

STORAGE AND HANDLING:

- 1) Protect the plank from adverse moisture conditions while transporting.
- 2) Do not store outdoors or in areas without climate control.
- 3) Acclimate plank for 4-5 days in the environment where installation will take place. Environment must maintain ambient room temperature at 60°- 75° and relative humidity at 40%-55%. Cartons must be opened and planks should be removed and stacked at least 4" above the floor.

SUBFLOOR PREPARATION:

Wood Sub Floor Preparation:

Recommendation: ¾" CDX grade plywood (min. 5/8"), ¾" (min. 5/8") OSB PS2 rated sealed side down.
Do not install over particle board, waferboard, pressed wood or fiber board

- 1) Subfloor must be clean - must be free of paint, wax, oil or any debris.
- 2) Subfloor must be flat - must be level within 3/16" inside a 10' radius without any abrupt height differences. "Hills" should be sanded down flat. "Dips" should be filled with a leveling compound recommended by your dealer.

- 3) Subfloor must be structurally sound – subfloor must be well nailed to joists with screw type nails. Renail any sections with squeeks. Secure any areas with excessive up and down movement. An 1/8” expansion space should be around each sheet of plywood, as well as an 1/8” expansion space at the walls of the room allowing for the natural expansion and contraction of the subfloor.
- 4) Moisture content of subfloor– must never be more than 10%, during or after installation. Take several moisture readings at different locations. Make sure the area below the subfloor is not excessively damp, as well. (New plywood as well as existing subfloor should be carefully checked for moisture content.)

Concrete Slab Preparation:

- 1) Must be clean - must be free of paint, wax, oil or any debris.
- 2) Must be flat - concrete must be level within 3/16” inside a 10’ radius without any abrupt height differences. “Hills” should be sanded down flat. “Dips” should be filled with a leveling compound recommended by your dealer.
- 3) Must be a dry-slab and must be at least 60 days old. Trimex moisture meter readings must never exceed 4.5 on upper scale during and after installation.
- 4) Must be free of excessive alkaline.
- 5) Must have a moisture barrier - such as sheet vinyl that is securely installed over the concrete prior to installation. consult dealer for proper moisture barrier which is compatible with the recommended adhesive to be used for glue down method. Please see back page for details.
- 6) Moisture Test – Readings should not exceed 4.5 on the upper scale.

Other Subfloor Preparation:

BONDED: install proper moisture barrier followed by a plywood or OSB subfloor. Allow ½” expansion space around entire perimeter of floor and 1/8” expansion between all flooring panels. Use a minimum of one fastener per square foot and more if necessary to properly attach the panels to subfloor. Use pneumatic or power actuated fasteners. Do not hand nail the subfloor with concrete nails. Install a moisture barrier with joints lapped 6”. Use 1 ½” fasteners.

Resilient tile and sheet vinyl: Make sure all vinyl flooring is well bonded to subfloor prior to installing Seringa™. Sheet vinyl where the perimeter only is glued down will not be a suitable subfloor for installation. Check with your dealer regarding other methods for moisture barrier protection.

GENERAL INSTRUCTIONS:

- 1) Install a moisture barrier over subfloor that is recommended by your selling dealer - for example, smooth sheet of vinyl. Securely glue the sheet vinyl to the wood or concrete subfloor.
- 2) Subfloor must be clean - free of wax, oil, paint, dirt or other debris particles.
- 3) Subfloor must be flat and must be level within 3/16” inside a 10’ radius without any abrupt height differences. “Hills” should be sanded down flat. “Dips” should be filled with a leveling compound recommended by your dealer.
- 4) Remove any baseboards, doorway thresholds, or shoe moldings before beginning installation.
- 5) Moldings, such as door casings, should be undercut– lay a piece of plank flat on the floor. Mark its height on the molding to use as a saw guide.
- 6) Mix planks from several cartons before installing to create the proper blend.
- 7) Allow for ½” expansion around entire perimeter of installation.
- 8) Install planks perpendicular to the direction of floor joists.
- 9) Where crawl space exists, there must be at least 24” between the ground and bottom of floor joists - a minimum vapor barrier of 6 ml polyethelene film must cover the ground.

INSTALLATION METHODS

STAPLE DOWN INSTALLATION:

Do not begin until all preparation requirements listed on previous pages have been completed regarding wood subfloor.

- Begin stapling 3” from the end of the plank into tongue. Space staples approximately 7”. Never staple closer than 2” from end of any one plank). Okay to use conventional electric or pneumatic staple gun.
- To prevent the tongue from splitting in exotic woods, such as Seringa, adjust the angle and/or height of entry of the staple; **HINT:** Attach some duct tape to staple faceplate to change the angle and/or height of the staple’s entry.
- Make sure subfloor is securely fastened before stapling plank to subfloor.

Layout

- 1) Establish a starting point – snap a straight chalk line 4” parallel to the longest wall- (3 1/2” for width of plank plus ½” for expansion space): measure 4” from the starting wall and 12” to 18” from both adjacent walls. Snap a chalk line. The floor should be installed perpendicular to the flooring joists.
- 2) Measure and mark a centerline – centerline must be square to the line noted in point one, above.
- 3) Dry lay planks to side wall – dry lay first plank, tongue on line, groove side facing the wall. If line is square to room, remove planks and begin installation. If line is not square to room, reposition and begin again.
- 4) Place ½” temporary shims – between the first row of flooring and the wall, allowing for ½” expansion space. This will also stop the planks in the first row from moving as you install new rows.
- 5) Set and finish first row – finish row including cuts at side walls, allowing ½” expansion space.
HINT: Angle plank into groove for snug fit. Nail and finish each row as you proceed.
- 6) Start next row – make sure the end joints of flooring are staggered at least 6” from the end joints of the neighboring rows. If necessary, use a soft wood “knocking block” against the piece being fitted, to gently tap the flooring.

GLUE DOWN INSTALLATION METHOD:

DO NOT BEGIN UNTIL ALL PREPARATION REQUIREMENTS LISTED ON PREVIOUS PAGES HAVE BEEN COMPLETED.

WARNING: DO NOT USE A WATER BASED ADHESIVE. USE TAYLOR 2071 OR EQUIVALENT, OR USE URETHANE BASED ADHESIVES.

The following are some of the manufacturers who provide systems that use a moisture sealer that works in conjunction with a urethane based adhesive: Franklin, Bostik, Silka, and Dritec. Check with your selling dealer for the system that is appropriate for your installation. If the sealer and adhesive are not part of a system, keep in mind that the adhesives provide a bond warranty only and the sealer provides a moisture intrusion warranty only. No other warranty will apply in accordance with the warranties provided by the adhesive and sealer manufacturers.

- 1) Follow steps 1 – 4 in nail down instructions in this booklet.
- 5) Evenly spread the adhesive on the subfloor – **ONLY USE TAYLOR 2071 OR EQUIVALENT.** Strictly follow the instructions on the adhesive container. Use proper trowel size. All warranties are void if a water based and/or improper adhesive is used. Please see back page for details.
- 6) Set and finish first row - finish row including cuts at side walls, allowing ½” expansion space. **HINT:** Angle plank into groove for snug fit.
- 7) Start next row – make sure the end joints of flooring are staggered at least 6” from the end joints of the neighboring rows. If necessary, use a soft wood “knocking block” against the piece being fitted, to gently tap the flooring snugly into place. (Make sure not to damage the plank.).
- 8) Follow steps 7 – 8 in nail down instructions above (see layout).

FLOATING INSTALLATION METHOD:

Install Underlayments

Install 6 mil Polyethylene vapor barrier over entire flooring surface. Overlap sheets of Polyethylene 16” and tape together creating an airtight seal. Using 1/8” foam padding, roll out one roll at a time over vapor barrier being careful not to poke holes or otherwise damage material during installation. Run padding up walls 1” to 1.5” and secure in place with tape. Join padding sections with tape strip. Tape down any additional loose edges. A “2-in-1” foam padding / moisture barrier may be substituted for Polyethylene

Installing the Floor

Boards are installed left to right with the groove side facing the wall. A stair-step pattern will be repeated throughout installation. Stagger the ends of the boards a minimum of 8 inches. Leave a minimum 3/8” expansion around all vertical objects such as walls, poles, and stairs. If starting wall is uneven, trace the contour of wall, using a scribe, onto first row of planks and cut to size.

Application of Adhesive

To secure a durable wood floor the boards must be bonded with adhesive in the tongue and groove. We recommend waterproof PVAC glue. The glue must be applied in a continuous 1/8” bead on the inside top of the groove on both the long and short edges.

Gluing and Taping

Dry fit first row using stair-step pattern. Number each plank in the order of installation. When you reach the last plank in the first row, turn plank 180° so tongue is flush against tongue of previous plank. Mark the plank and cut to length. Dry fit final plank of row.

Begin dry fitting second row, starting with (if possible) left over piece from previous row. Be sure to stagger end of boards at least 10” to achieve effective stair step pattern.

Floating installation is completed by gluing and taping flooring profiles together. Separate first two rows noting installation order. Holding the first board with the tongue resting in the palm of your hand, apply a thin bead of glue in the groove on the side and end of the board. Repeat process with subsequent planks. Press each board firmly together, tapping profiles lightly with a block and hammer if necessary. Clean excess glue from between boards with a damp cloth. Tape each board together at side and end seams. Often the last row will not end with a full plank. When this happens, place a full row of planks on top of the last row installed. Insert a 3/8” spacer against wall, and using a full width plank, trace distance from wall onto final row. Cut planks for final row to designated width. Apply glue and fit into place. Tape may be removed within one hour. Allow 12 hours before placing furniture on floors and 24 hours before bringing in heavy objects or traffic.

NOTE: Do not install cabinets or walls on top of floating floors.

FINISHING

- 1) Reinstall baseboards etc.
- 2) Stain or paint moldings, baseboards, etc., as desired.
- 3) Install matching crown moldings as needed (see next page for matching molding) troubleshooting

APPLIANCES:

- When installing or re-installing appliances make sure to use hard board to roll appliances on, including stoves, refrigerators, dishwashers, ice makers, etc., for protections on the newly installed wood floor. Additionally, place heavy gauge card board over entire surface area as protection for workers, painters, electricians, etc., if work is still being completed in home or apartment. **NOTE:** Protectors must also be used for chairs, tables, heavy objects, or the warranty will be voided.

CARE AND MAINTENANCE:

- In order to minimize expansion and contraction of natural wood flooring, (which is typical to all hardwood flooring), maintain humidity level of the interior space at 40% - 55%.
- Dust mop, vacuum, or sweep regularly. Use soft bristled attachments only.
- Use wood cleaner regularly. (recommended by dealer): Do not use solvent-based cleaners. Use only water-based maintenance and care products.
- Use wood floor finish or wax as needed (recommended by dealer). Do not use solvent-based finishes or liquid waxes which are not water based products formulated specifically for pre-finished hardwood flooring.
- Use carpet glides under all furniture legs.
- Make sure pets nails are well trimmed to help prevent damage to the floor.
- Do not** clean with soap and water
- Do not** slide furniture or any heavy objects across an unprotected floor
- Do not** walk on floor with cleated, spiked, or high-heel shoes.

TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
Floor Buckles	Subfloor has excess moisture or,	Remove planks and install moisture barrier
	Room humidity level too high or,	Decrease ambient moisture levels in the air using a dehumidifier
	Expansion gap too small	Remove perimeter planks and increase expansion gap
Shrinkage	Humidity level too low	Add moisture into the air using a humidifier
Loss Of Shine	Excessive wear improper maintenance	Apply with coating recommended by the dealer. Do Not Use Solvent Based Coatings Or Finishes

WARRANTY:

READ ALL POINTS IN WARRANTY: WARRANTY COVERAGE IS CONDITIONAL AND LIMITED ACCORDINGLY.

CRYNTEL SERINGA™ ENGINEERED HARDWOOD PLANK:

Flooring is generally warranted for 1(one) year from date of purchase, to the original purchaser only, for residential, interior floor, above or on grade only against any/all product defects for the cost of the product only; excluding labor!

Also, a lifetime limited wear-through warranty is extended to the original purchaser, not to wear through to the tongue, if purchaser sustains a regular process of maintenance as prescribed in this instruction booklet. In the case of wear-through to tongue, we will replace the worn flooring only.

IMPORTANT: First, inspect your uninstalled plank. If you are not satisfied, return to your selling dealer for replacement or refund. No claims are allowed for obvious defects after the plank has been installed.

No claims are allowed for aesthetic reasons, including grain or color nuances so, inspect your plank before installation. No claims are allowed for damage caused by pets.

The above warranty(s) are limited to the product only. No labor, loss of time, loss of use or incidental and/or special circumstance damages are covered.

Cryntel® shall not be liable under any other circumstances, implied or otherwise, except for that which is expressly stated in this warranty. Customer service/ technical support 1-800-766-1043