

**For further technical or installation questions or to request Product Specification Data Sheet you may contact the manufacturer at 561-804-1711**



**CAUTION: WOOD DUST**

The International Agency for Research on Cancer has classified wood dust as a nasal carcinogen. The sawing, sanding, and/ or machining of wood products can produce wood dust that can cause respiratory, eye, and skin irritations. Equipment should be equipped with a dust collector to reduce airborne wood dust. Wear an appropriate NIOSH designated dust mask to reduce exposure to airborne wood dust. Avoid contact with eyes and skin. In case of irritation, flush eyes or skin with water for at least 15 minutes. In cases of severe irritation; seek immediate medical attention. For further technical or installation questions or to request Product Specification Data Sheet you may contact the manufacturer at **561-804-1711**

Attention California Installers & Consumers  
WARNING

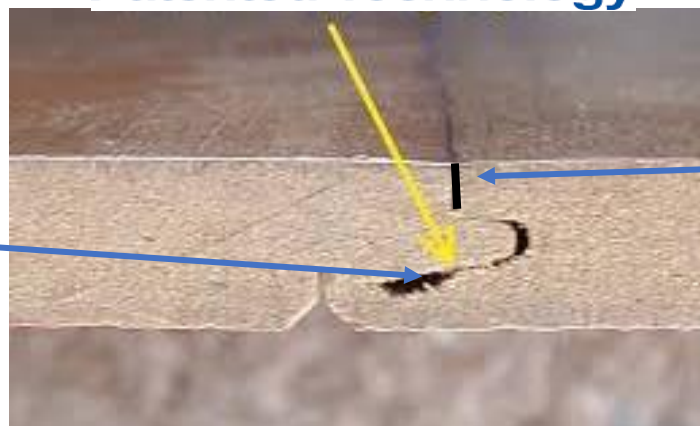
Installation of this product and any wood product may create wood dust, which is known to the State of California to cause cancer.

**NUVELLELOCK®** offers in house technical support as a courtesy to our customers. Consult with one of our Flooring experts to find answers to your specific installation questions unique to your application. Contact us by email: [Orders.suncrest@suncrestsupply.com](mailto:Orders.suncrest@suncrestsupply.com) ; or by phone: **561-804-1711**

Determine the best installation method that suits your application. **NUVELLELOCK®** floors may be Floated (not secured to the subfloor), Glued, or Stapled. Follow the instructions designated for the most suitable installation method for your project.

### NUVELLELOCK® TECHNOLOGY FEATURES BUILT-IN EXPANSION SPACE BETWEEN BOARDS

- To allow the **boards to slide easily into position**, the locking system is coated with a paraffin wax.
- To allow the **floor to remain flat**, while it naturally expands and contracts, the locking system is designed with a built-in expansion space between the assembled boards, up to 1/25" (1mm) and will not affect the performance or structural integrity of your wood floor.
- When installing with the floating installation method the **boards will have movement**, this is normal and allows the floor to remain flat as it naturally expands and contracts.

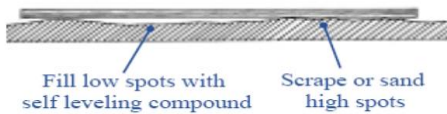


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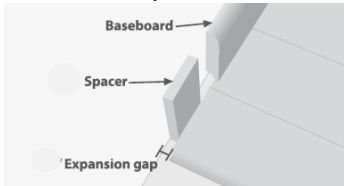
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### PRE-INSTALLATION CHECK LIST

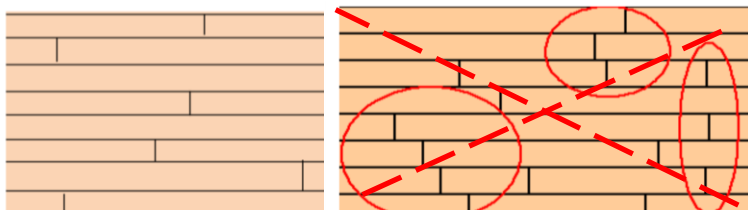
- 1: **INSPECT ALL MATERIALS CAREFULLY BEFORE INSTALLATION** contact the manufacturer at 561-804-1711 for questions
- 2: **CALCULATE THE TOTAL SURFACE AREA** of the room(s) and add 10% for cutting and waste.
- 3: **HEATING AND COOLING SYSTEMS** must be fully operational at least 14 days prior to flooring installation, maintaining a minimum room temperature between 60-80° Fahrenheit and relative humidity of 35-55%(to perform optimally without gapping, cupping, warping). Warranties do not cover natural expansion and contraction which results in separation between boards. This is especially true regarding flooring in seasonal or vacation homes without proper indoor climate conditions.
4. **ACCLIMATE A MIMIMUM OF FIVE (5)** days prior to installing. **DO NOT OPEN THE CARTONS.** Do not store in unclimatized buildings, garages, sheds, directly on bare concrete or next to outside walls. Cartons should be placed close to the center of the installation area as possible. Keep out of direct sunlight and away from heat/air vents.
5. **ON GRADE, and ABOVE GRADE ARE APPROVED INSTALLATION LEVELS** - below grade, such as basements are not approved
6. **MOST FLOORING FAILURES RESULT FROM JOBSITE MOISTURE.** Do not unpack flooring until moisture problems are corrected. Sources of elevated moisture should be identified and corrected before installation
  - a. For concrete subfloors, Tramex Moisture Meter (maximum reading of 4.5)
  - b. For wood subfloors, there should be no more than 12% moisture content
7. **DO NOT INSTALL IN** - wet areas, saunas, pool rooms, below grade, basements or over radiant heat sub-floors.
8. **SUB-FLOOR MUST BE LEVEL** or floor could flex, causing creaking. Level subfloor to 3/16" in 8' radius.



9. **DO NOT INSTALL OVER** carpeting, floating floors or by electric baseboard heaters.
10. **EXPANSION SPACE IS REQUIRED** 5/8" around perimeter walls and vertical surfaces. Do not install flooring under permanent or fixed cabinetry. The floor must have 1/16" clearance under the door casing to be able to float freely without vertical restriction.



11. **COLOR VARIATION** – Hardwood is a natural material and variations in color, knots, and mineral lines are to be expected. Mix planks from 3-4 cartons at a time to ensure a good blend of the natural variation.
12. **ALWAYS STAGGER THE END JOINTS** of adjacent rows a minimum of 8", to maintain locking system strength.



13. **AFTER THE FLOOR IS COMPLETELY INSTALLED** Never cover a newly installed floor with plastic. Use a breathable material such as Kraft paper. Non-breathing coverings can cause the floor to become damaged from humidity buildups.

### FLOATING

**SUB-FLOOR MUST BE LEVEL** or floor could flex, causing creaking. Level subfloor to 3/16" in 8' radius.

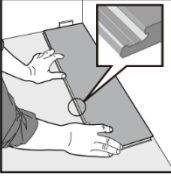
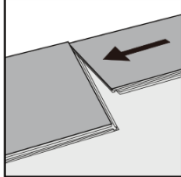
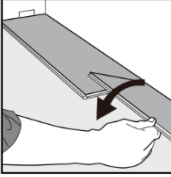
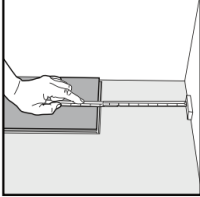
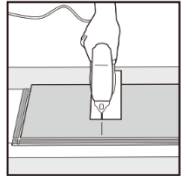
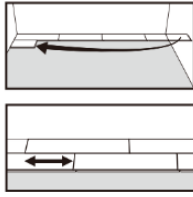
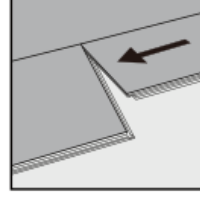
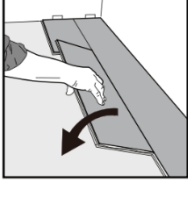
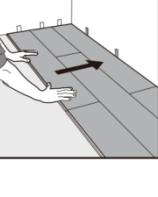
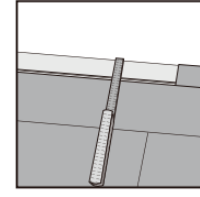
**A FLOATING FLOOR EXPANDS AND CONTRACTS WITH SEASONAL CHANGES.** Do not put fasteners (nails, screws, etc.) through the floor or "pinch" the floor under doorways, etc. This could cause the floor to pull apart or buckle because it is not allowed to "float" freely.

**INSTALL OVER A PREMIUM UNDERLYMENT WITH A MOISTURE BARRIER** (i.e. FloorMuffler). Excessive squeaks and gapping can result from too soft an underlayment.

**MOLDINGS** –Properly installed transitions (T-moldings) are required in doorways, hallways, between adjoining rooms and, between rooms to allow individual floor sections to expand and contract independently. If the room is wider than 22' in any direction, split the installation into two, expansion gaps can be hidden with transition pieces.

#### BASIC TOOLS REQUIRED

<ol style="list-style-type: none"> <li>1. Premium Underlayment (i.e. FloorMuffler)</li> <li>2. Flat bar or pull bar</li> <li>3. Tapping block</li> <li>4. Tape measure</li> <li>5. Wood or plastic spacers (5/8")</li> </ol>	<ol style="list-style-type: none"> <li>6. Miter saw (chop-saw)</li> <li>7. Undercut or jamb saw</li> <li>8. Earplugs &amp; safety glasses</li> </ol>
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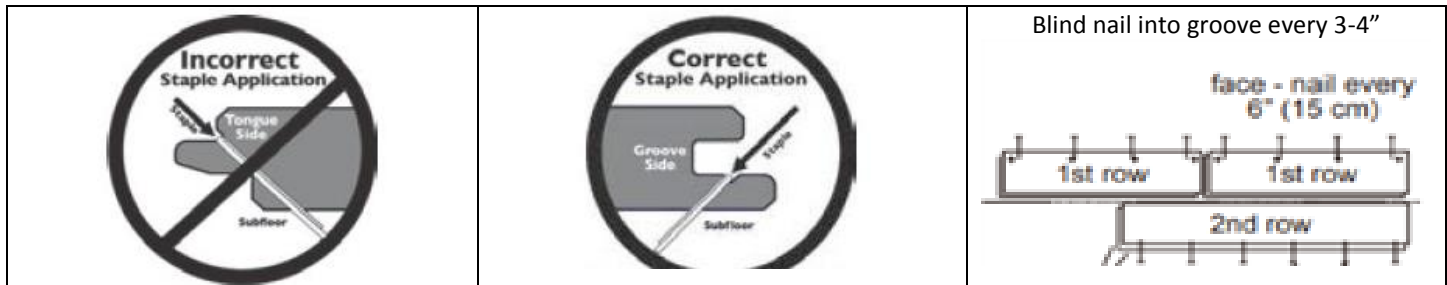
 <p>1: First board, first row. Leave an expansion gap of <b>5/8"</b> width to the left, and position the plank against the starter wall. (Helpful Hint: Skip to review step 10 notes below regarding the last row, then come back to continue.)</p>	 <p>2: Second board, first row. Place this board tight to the short end of the first board.</p>	 <p>3: Lower the board with a single action movement and repeat until you have reached the end of the row.</p>
 <p>4: At the end of the first row, measure the length of the last board to fit. Be sure leave the expansion space of <b>5/8"</b> at the end of the row.</p>	 <p>5: Once you have determined your measurement, make your cut.</p>	 <p>6: Second row. The first board (in any row) should be at least <b>8"</b> in length. Again, be sure to leave an expansion gap of <b>5/8"</b> against the wall as you start the second row. (Helpful Hint: You can minimize waste by using the balance of the last cut board from the prior row as the first board of the second row..</p>
 <p>7: Second board, second row.</p>	 <p>8: Place the board tight to the short end of the previous board and fold down in a single action movement.</p>	 <p>9: After 3 rows are installed, slightly pull the entire 3 rows away from the long wall to for your <b>5/8"</b> expansion. Then continue installing each additional row as instructed above.</p>
 <p>10: For the last row, you will need to cut the board lengthways to fit against the far wall. Do not forget to leave the <b>5/8"</b> expansion, and it is not recommended for the last board to be less than 1 1/4" in width (which may mean adjustments to the first row.</p>		

### STAPLE-DOWN

**Check with fastener manufacturer for specification such as length, drill size, and/or shot load**

**BASIC TOOLS REQUIRED**

<ol style="list-style-type: none"> <li>1. 15 lb. asphalt saturated felt paper (or similar vapor retarder)</li> <li>2. 4D or 6D finishing nails Tape measure</li> <li>3. Air pressure stapler</li> <li>4. Staples</li> <li>5. Wood or plastic spacers (5/8")</li> </ol>	<ol style="list-style-type: none"> <li>6. Miter saw (chop-saw)</li> <li>7. Undercut or jamb saw</li> <li>8. Earplugs, safety glasses, mask</li> </ol>
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**1. INSTALL VAPOR RETARDER**

Prior to installing flooring roll out **15 lb.** asphalt saturated felt paper (or similar for stated use)– overlap joints **6"** and staple if needed. However, by today’s standards, asphalt saturated Kraft or felt paper may not be an effective vapor retarder in all applications. This material will help to keep the floor clean and help to retard moisture from below (there is no complete moisture barrier system for staple or nail-down applications).

2. When installing the floor leave an expansion space of **5/8"** between the first row of planks and the starter wall.

3. For the entire first row, the groove extension is facing away from the start wall. Pre-drill holes 1" away from the back starting edge of the first row of planks. These holes will be used to face-nail **4D or 6D** finishing nails. You want to drill approximate **1-2"** from each end of the planks, and at **6"** intervals between holes. Be sure to countersink the nails (they need to be slightly recessed into the face of the plank). HELPFUL HINT: Open several cartons and use the longer planks available for the first two rows.

4. For remaining rows, continue to work from left to right by stapling at **45°** angle through the groove of every board approximately 1" to 2" from each of the ends of every plank, and then in 3"-4" intervals in between. Countersink the staples (into the groove) to ensure flush engagement of tongue with the following rows. Continue stapling using this method with following rows. (HELPFUL HINT: To ensure a good visual as well as ensuring the structural integrity of the installation, do not install the planks in such a way that the end joints from one row to the other are closer than 8" apart).

5. To effectively countersink the staples, your air pressure must be correct. HELPFUL HINT: TEST- Set the compressor at **70 PSI**. If groove damage occurs, lower air pressure. You can test this before beginning. Check for surface damage, air pressure setting, groove damage, edge blistering, etc., before proceeding. Make all adjustments and corrections before installation begins. Once proper adjustments have been made, remove and destroy the test boards.

6. Install the remainder of the floor, working from several cartons. The last **1-2** rows will need to be face-nailed when clearance does not permit blind nailing with the stapler. Pre-drill and face-nail just as described in the starting first row.

## GLUE-DOWN

**With this system use a premium wood flooring adhesive that is specifically formulated for the installation of solid hardwood flooring. Apply the adhesive as recommended by adhesive manufacturer, and ensure to use the recommended trowel size.**

**TOOLS REQUIRED**

<ol style="list-style-type: none"> <li>1. ADHESIVE FOR GLUING DOWN SOLID WOOD FLOORING</li> <li>2. TROWEL SPECIFICIED BY ADHESIVE MANUFACTURER</li> <li>3. ADHESIVE REMOVER (REMOVE EXCESS ON FLOOR SURFACE)</li> <li>4. Wood or plastic spacers (5/8")</li> </ol>	<ol style="list-style-type: none"> <li>5. Miter saw (chop-saw)</li> <li>6. Undercut or jamb saw</li> <li>7. Earplugs, safety glasses, mask</li> </ol>
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**NUVELLELOCK® TECHNOLOGY FEATURES STRAIGHT, FLAT BOARDS**

Our prefinished solid products feature an average length of 28" and 5/8" thickness, that makes them straight, flat and assemble easily. These products can be glued down successfully over concrete and plywood subfloors. The only limitation is the slabs must be above or on grade. Installations of solid wood are never recommended below grade.

Note: The traditional 3/4" solid hardwood is made as a nail/staple down installation. It is not because the adhesives will not adhere to the solid hardwood. It is the fighting of the natural tendencies of the solid hardwood to bow, twist, and curl.

1. When installing the floor in the Glue-Down manner, remember to leave an expansion space of approximately 5/8" between the first row of planks and the starter wall. HELPFUL HINT: You can measure adequate space from the starter wall, and use a chalk-line to mark your first row.
2. Once the first row of boards is correctly aligned and adhesive in place, weight down the planks while the adhesive sets (or use wedges against wall). HELPFUL HINTS: Any surplus adhesive that may get on the surface of the planks must be removed immediately per the adhesive manufactures instructions. The adhesive should not be applied in the groove or the tongue of the flooring.
3. Continue to fit the boards from left to the right. Always stagger the end joins by a minimum of 8" from row to row. . Where possible, use cut-offs to start the next row. Measure and trim the last board to fit, allowing for the 5/8" expansion gap. Refer to Floating installation for basic information and pictures on measuring, cutting, placing and expansion spaces.
4. OPTIONAL: Many installers use straps or clamps to force board rows tighter together during installation. Be advised that over-strapping can adversely affect the floor and may result in glue-bond failure, seam peaking, twisted boards or out-of-square floor board alignment.
5. The expansion gap of 5/8" must be maintained during installation around the perimeter and vertical objects in the room.
6. Read the adhesive manufacturer's recommendation and follow the detailed installation procedures.
- 7: Concrete subfloor – be sure subfloor is not prone to shifting as this will case the boards to separate