



Engineered Hardwood Floor

Installation Instructions

Sub-Floor Preparation

- The sub-floor must be completely dry. A new concrete slab will usually take 90 to 150 days to dry thoroughly depending on the size of the slab and weather conditions. The moisture content difference should be no more than 4% between the engineered wood floor and the concrete sub-floor.
- If plywood is used as a sub-floor, the moisture content difference should be no more than 4% between the engineered wood floor and the plywood sub-floor. Plywood size for sub-floor is suggested to be $\frac{3}{4}$ " x 48" x 48" and leave $\frac{1}{4}$ " between sheets for expansion.
- The sub-floor must be free from any type of paint, oil, grease, dust, and all other types of residues.
- The sub-floor should be level. The level drop must be no more than $\frac{1}{4}$ " over a 10-foot distance.

Glue-Down Installation Guidelines for ENGINEERED LAMONT FLOORING™

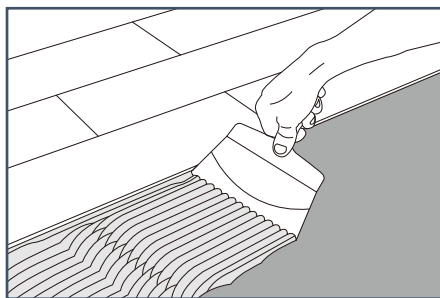
(Recommended method of installation for both concrete and plywood sub-floor)

- We recommend an acclimation period of 3 days for all our engineered hardwood flooring products.
- Test Sub-Floor before every installation. (Please follow Sub-Floor Preparation instructions listed above).
- Apply a moisture barrier to the slab. Bona, Sika or Bostik's MVP moisture barrier is recommended.
- A Urethane-based adhesive should be used exclusively. Bona, Sika or Bostik's elastic adhesive is recommended.
- Read the glue manufacturer's instructions, which are always printed in detail on the glue container to choose the correct size trowel.
- Create a working line parallel to the starting wall, in multiples of our engineered plank width, to set up the baseline of installation.
- Following the spread rate and curing time, spread the glue evenly on the sub-floor to cover the area the installer can lay the planks in time for the best result of the glue.
- Lay one row of planks along the entire length of the work line. Add each additional row of flooring, watching the pattern repeat and offsetting or staggering the joints at least 6 inches.
- A $\frac{1}{2}$ " expansion space should be left around the perimeter of the room.
- Roll the whole floor with a 150 lb. roller within 3-6 hours after installation.
- Finished areas should be covered with protective paper immediately after installation to prevent damage from the installation process.

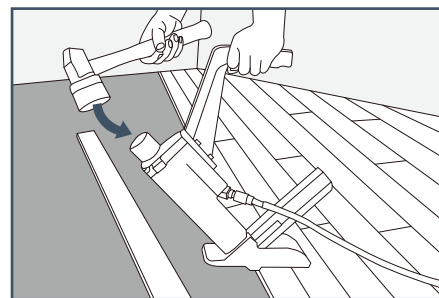
Nail-Down Installation Guidelines for ENGINEERED LAMONT FLOORING™

(ONLY FOR PLYWOOD SUB-FLOOR)

- We recommend an acclimation period of 3 days for all our engineered hardwood flooring products.
- A 15 lb. felt paper moisture barrier should be applied to the plywood sub-floor with 6" overlaps before installing the new wood floor.
- Create a working line to the starting wall, in multiples of our solid plank width.
- Install the first row of wood with the groove side towards the wall using top nails as necessary to hold the first row firm and in place. Adjust as necessary.
- Use an adjustable pneumatic power hammer or nailing machine with 1 ½" – 2" nails as required and make sure the nailing foot is appropriate to the nails/staples used. To avoid damage to the tongue, be sure to adjust for proper pressure on the compressor.
- Add and adjust each additional row of wood planks, offset or stagger the end joints at least 6" to prevent repeating the pattern.
- Finished areas should be covered with protective paper immediately after installation to prevent damage from the installation process.



Glue-Down Installation



Nail-Down Installation

NOTE: Gaps in the tongue-and-groove joints of boards that may occur over time due to heavy traffic, dramatic humidity or temperature changes, or natural expansion and contraction of wood. If such gaps arise, the buyer must hire a professional installation team to repair them by tapping the boards with a rubber hammer to restore the tight joint. This condition is not considered a manufacturing defect and is not covered under this warranty.

Maximum Length Guidelines for Installation

- **Glue-Down Installation:** You can generally install up to 40 to 50 feet in length without an expansion joint, but this may vary based on manufacturer recommendations, climate, and specific products.
- **Floating Installation:** The maximum continuous length is typically 30 to 40 feet. Beyond this, an expansion joint is necessary to prevent buckling.
- **Expansion Joints:** If you exceed the recommended length, an expansion joint (a gap covered with a T-molding or similar) should be installed to allow the floor to move freely.

Factors Influencing Installation Limits

- **Climate and Humidity:** In regions with significant humidity fluctuations, consider more conservative lengths and larger expansion gaps.
- **Subfloor Type:** Concrete and wooden subfloors have different requirements.
- **Wood Species and Board Width:** These factors can influence the amount of expansion and contraction, potentially requiring adjustments to installation guidelines.
- **Local Regulations:** Consult local building codes, as they may have specific requirements affecting installation. Consult local building codes and a flooring professional if necessary.