

INSTALLATION GUIDE

Thank you for choosing our flooring. When properly installed and cared for, your new flooring will be easy to maintain and will keep its great look for years. Please read all the instructions and follow all recommendations before you begin the installation. Improper installation will void the warranty.

Check list	Item	Standard	Why it is critical
	Subfloor flatness	Subfloor must be flat within 5 mm over 3 m.	A non-flat subfloor can cause gapping, buckling, and damage to the locking system.
	Subfloor moisture	Concrete subfloor: - pH \leq 9 - CM \leq 2.5% - ASTM F2170 RH \leq 90% - ASTM F2859 MC \leq 3.63 kg/m ² - ASTM F2859 MC \leq 4.0% Wood subfloor: - MC \leq 12%	Subfloor moisture can cause site-related issues which might lead to an installation failure, alkali salt buildup damage to joints, and a potential mold source. 0.15 mm poly sheeting is required on concrete substrates.
	Subfloor deflection	Subfloor must be structurally sound with no up-and-down movement.	Subfloor deflection will cause gapping and joint damage to the locking mechanism.
	Approved substrate	No soft substrates.	Additional soft underlayment must not be used and will void the warranty. Cushioned vinyl, floating floors, and carpets are not suitable substrates. Vinyl flooring should never be installed over wood that is installed over concrete doing so will void the warranty.
	Inspect planks	Inspect planks to be installed closely for visible damage.	Prior to installation, inspect the material in daylight for visible faults/damage, including defects or discrepancies in color or shine, check the edges of the flooring for straightness and any damage. No claims on surface defects will be accepted after installation.
	Maintain expansion gap	A gap of 6mm is required to around the perimeter of the room and against pillars, stairs, kitchen cabinets and permanent fixtures.	Floating floors must be free to move. Improper expansion can cause cupping, gapping, and damage to the locking system.

I. GENERAL PREPARATIONS

TOOLS REQUIRED:

- Spacers, rubber mallet, ruler, pencil, tape measure, utility knife, tapping block, 0.15 mm moisture barrier, square, transition moldings, jamb saw, chalk line, eye protection, level, knee pads (optional), broom or vacuum.
- Prior to installation, inspect the material in daylight for visible faults/damage, including defects or discrepancies in color or shine, check the edges of the flooring for straightness and any damage. No claims on surface defects will be accepted after installation.
- It is preferable to lay boards following the direction of the main source of light. For the best result, make sure to always work from 2 to 3 cartons at a time, mixing the planks during the installation.
- Check if subfloor/site conditions comply with the specifications described in these instructions. If the subfloor is not within specifications, DO NOT INSTALL, and contact your supplier.
- Flooring products can be damaged by rough handling before installation. Exercise care when handling and transporting these products. Store, transport and handle the cartons in a manner to prevent any damage. Store cartons flat, never on edge.
- Flooring products can be heavy and bulky. Always use proper lifting techniques when handling these products. Whenever possible, make use of material-handling equipment such as dollies or material carts. Never lift more than you can safely handle; get assistance.
- Calculate the room surface prior to installation and plan an extra 15% of flooring for cutting allowance.
- The room surface where the flooring is to be installed is critically important with regard to successful installation and continued performance of the flooring products. The flooring is intended to be installed in interior locations only. These interior locations must meet climatic and structural requirements as well.
- In most cases, this product does not need to be acclimated. However, if the boxes of flooring were exposed for over 2 hours to extreme temperatures under 10°C or over 35°C within 12 hours before the installation, acclimation is required. In this case, keep the boards at room temperature for at least 12 hours in an unopened package before you start the installation. The room temperature must be maintained consistently between 20-25°C before and during the installation.
- The flooring should only be installed in temperature ranges between 20-25°C. It is necessary to maintain a constant temperature before and during the installation. Portable heaters are not recommended as they may not heat the room and subfloor sufficiently. Kerosene heaters should never be used.
- After installation, make sure that the flooring is not exposed to temperatures less than 10°C or greater than 50°C.
- For floor surfaces exceeding 400 m² and/or lengths exceeding 20 m, use expansion moldings.

II. SUBFLOOR INFORMATION

- The flooring can be installed over most existing hard surface floor coverings, provided that the existing floor surface is structurally sound, clean, dry, and smooth. Subfloor variations should not exceed 5 mm over 3 m.
- The substrate should not slope more than 25 mm over 2 m in any direction.
- Depressions, deep grooves, expansion joints, and other subfloor imperfections must be filled with patching & leveling compound.
- Substrates must be free from excessive amounts of alkali, lime, cement, paint, varnish, wax, oils, solvents, and any foreign matter and contaminants.
- Do not use products containing formaldehyde, silicone, or similar substances to prepare substrates as they can cause staining and expansion of the new flooring.
- Although this floor is waterproof, it is not to be used as a moisture barrier.
- This product is not to be installed in areas that have a risk of flooding such as saunas or outdoor areas, seasonal porches, camping trailers, boats, RVs, Janais, rooms that are prone to flooding, or rooms or homes that are not temperature-controlled.
- Existing sheet vinyl floors must not be cushioned and not exceed more than one layer in thickness. Soft underlayment and soft substrates will diminish the product's inherent strength in the clicking mechanism and resisting indentations and could void the warranty.
- Subfloor moisture conditions must be maintained throughout the lifetime of the flooring.

WOOD SUBFLOORS

- If this flooring is intended to be installed over an existing wood floor, it is recommended to repair any loose boards or squeaks before you begin the installation.
- Wood subfloors must be dry. Use of a 0.15 mm poly-film is required to cover 100% of the crawl space earth.
- Baseboards and crawl spaces must be dry. Use of a 0.15 mm poly-film is required to cover 100% of the crawl space earth.
- We recommend laying the flooring crossways to the existing floorboards.
- All other subfloors - plywood, OSB, particleboard, chipboard, wafer board, etc. must be structurally sound and must be installed following their manufacturer's recommendations.
- DO NOT install over sleeper construction subfloors or wood subfloors applied directly over concrete.

CONCRETE SUBFLOORS

- Existing concrete subfloors must be fully cured, at least 60 days old, smooth, permanently dry, clean, and free of all foreign material such as dust, wax, solvents, paint, grease, oils, and old adhesive residue.
- The subfloor must be dry. With a pH limit of 9 and comply with moisture content requirements and tested as per the below methods:
 - Concrete moisture vapor emissions must not exceed 3.63 kg MVER (moisture vapor emission rate) per 93 m² per 24 hours. This can be measured with the calcium chloride test (ASTM F1869).
 - 500 mg ASTM F2859.
 - Max. 2.5% moisture content (CM method / ASTM F2859).
 - Max. 4.0 MC as per ASTM F2659 (a meter capable for concrete and gravel by gravimetric testing must be used).
- A minimum of 0.15 mm poly-film is required as a moisture barrier between the concrete subfloor and the flooring.

NOTE: THE RESPONSIBILITY OF DETERMINING IF THE EXISTING FLOORING IS SUITABLE TO BE INSTALLED OVER RESTS SOLELY WITH THE INSTALLER/FLOORING CONTRACTOR ON SITE, IF THERE IS ANY DOUBT AS TO SUITABILITY, THE EXISTING FLOORING SHOULD BE REMOVED, OR AN ACCEPTABLE UNDERLayment INSTALLED OVER IT. INSTALLATIONS OVER EXISTING RESILIENT FLOORING MAY BE MORE SUSCEPTIBLE TO INDENTATION.

DO NOT INSTALL OVER

- Any type of carpet.
- Existing cushion-backed vinyl flooring.
- Floating floor of any type, loose lay, and perimeter fastened sheet vinyl.
- Hardwood flooring / wood subfloors that lay directly on concrete or over dimensional lumber or plywood used over concrete.

IMPORTANT NOTICE

In-floor Radiant Heat: Flooring can be installed over 12 mm embedded radiant heat using the floating method. Maximum operating temperature should never exceed 30°C. The use of an in-floor temperature sensor is recommended to avoid overheating.

- Turn the heat off for 24 hours before, during, and 24 hours after installation when installing over radiant heated subfloors.
- Before installing over newly constructed radiant heat systems, operate the system at maximum capacity to force any residual moisture from the cementitious topping of the radiant heat system.
- Make sure that the temperature in the room is maintained consistently between 20-25°C before and during the installation.
- Once the installation is completed, the heating system should be turned on at the ambient temperature and gradually increased in 5°C increments every 12 hours until reaching normal operating conditions.

Refer to the radiant heat system's manufacturer recommendations for additional guidance.

Warning: Electric heating mats that are not embedded into the subfloor are not recommended for use underneath the floors. Using electric heating mats that are not embedded and applied directly underneath the floors could void the warranty for your floor in case of failure. It is best to install the flooring over embedded radiant floor heating systems and adhere to the guidelines listed above.

Tip: The best idea to maximize the results of your heating system is to have "ON" times with a comfortable temperature and "OFF" times with setback temperatures which are normally 4°C lower than your comfort temperature. The setback temperatures are particularly important as these won't let the temperature of your room drop too much, meaning it is much quicker to heat your room back to comfort levels when it's needed.

III. INSTALLATION

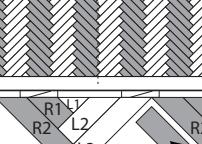
- Remove trim molding, wall base, appliances, and furniture from the room. For the best results, door jambs must be undercut to allow the flooring to move freely without being pinched. After preparation work, sweep and vacuum the entire work area to remove all dust and debris.
- With a floating floor you must always ensure you leave a 6 mm gap between walls and fixtures such as pillars, stairs, etc. These gaps will be covered with trim moldings after the floor is installed.
- NOTE: DO NOT FILL IN THE EXPANSION GAPS WITH SILICONE. FOR INSTALLATION IN BATHROOMS AND OTHER WET ROOMS, SEE THE "INSTALLATION IN WET AREAS" SECTION.
- Whenever possible, plan the layout so that the joints in the planks do not fall on top of joints or seams in the existing substrate.
- Do not install your kitchen cabinets directly over your floor. Built-in cabinets, kitchen cabinets, islands, and similar heavy items must be installed first. Only then can the flooring be installed, leaving an appropriate expansion gap around it. This gap will be covered with trim moldings after the floor is installed. The quality of the floor can only be guaranteed if it is allowed to move freely. It must not be nailed, adhered, or fastened to the floor in any way.
- UNIQUELY DESIGNED FLOORING THAT IS PRE-PICKED UNLESS OTHERWISE SPECIFIED FOR INSTALLATION. THE USE OF ADDITIONAL ADHESIVE WILL DAMAGE THE LOCKING MECHANISM AND WILL VOID THE WARRANTY.
- CUTTING TIPS:** To cut the plank, use a simple utility knife and ruler, and with the top side facing up, cut heavily and several times on the same axis. The knife will not go through the surface but make a deep cut. You can then lift one half of the plank using your other hand to hold down the second placing it very close to the cut. The plank will split naturally. For ease of installation, cuts may be made using a laminate or vinyl flooring cutter.

ATTENTION: The letter 'L' or 'R' marked on the back of each herringbone plank indicates two different profiling directions. There is the same number of L planks and R marked planks in each box. Please pay attention to the markings and always install them paired together. In the below instructions, L planks are represented in white, R marked planks are represented in grey.

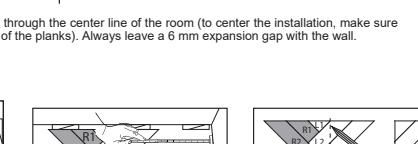
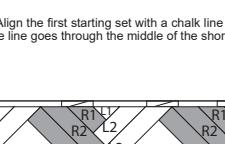


Separating into distinctive piles will make it easier to find the correct plank should the L or R markings be cut off.

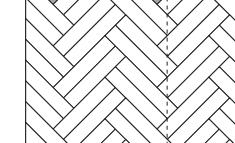
METHOD 1 – FISHBONE DIAGONAL PATTERN



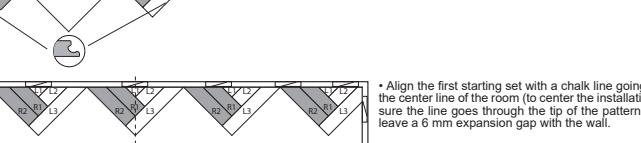
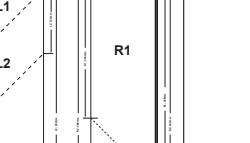
- Using a pencil, a string and a ruler, draw a line at 45° that will be used to align the pattern according to the image. You can then start staggering your spacers across your wall, leaving a 6 mm expansion gap with the wall.
- Start from the left corner opposite the door. Use an 'L' marked plank first and put the tongue sides against the wall. Then take your 2nd plank (marked 'R') and place it perpendicularly to the 1st (Refer to the clicking tips on the bottom of the page). For the 3rd and 4th plank, refer to the cutting tips below. Continue the installation according to the sequence.



METHOD 2 – FISHBONE PATTERN



- First, follow the cutting template on the inside of your box to cut the 5 pieces (L1, L2, R1, R2) needed for one starting set. You will need a total of 5 planks to make the required 5 starting set pieces (L1, L2, R1, R2). You won't be able to use offcuts of the same planks within one set.

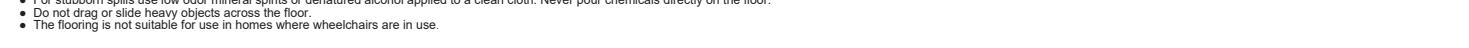
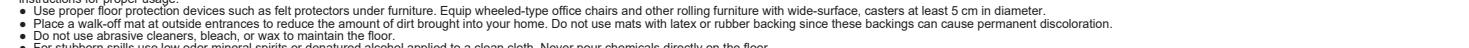
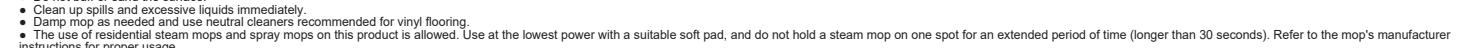
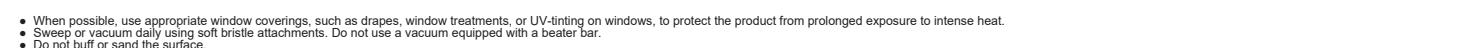
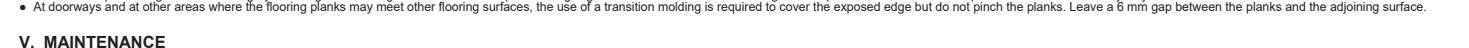
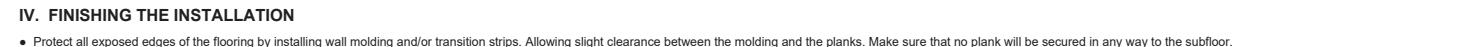
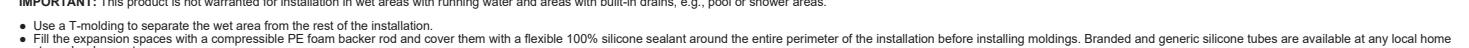
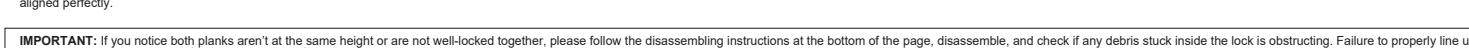
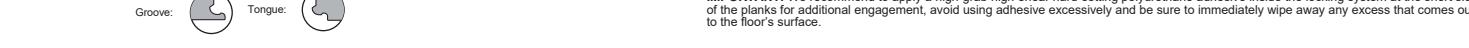


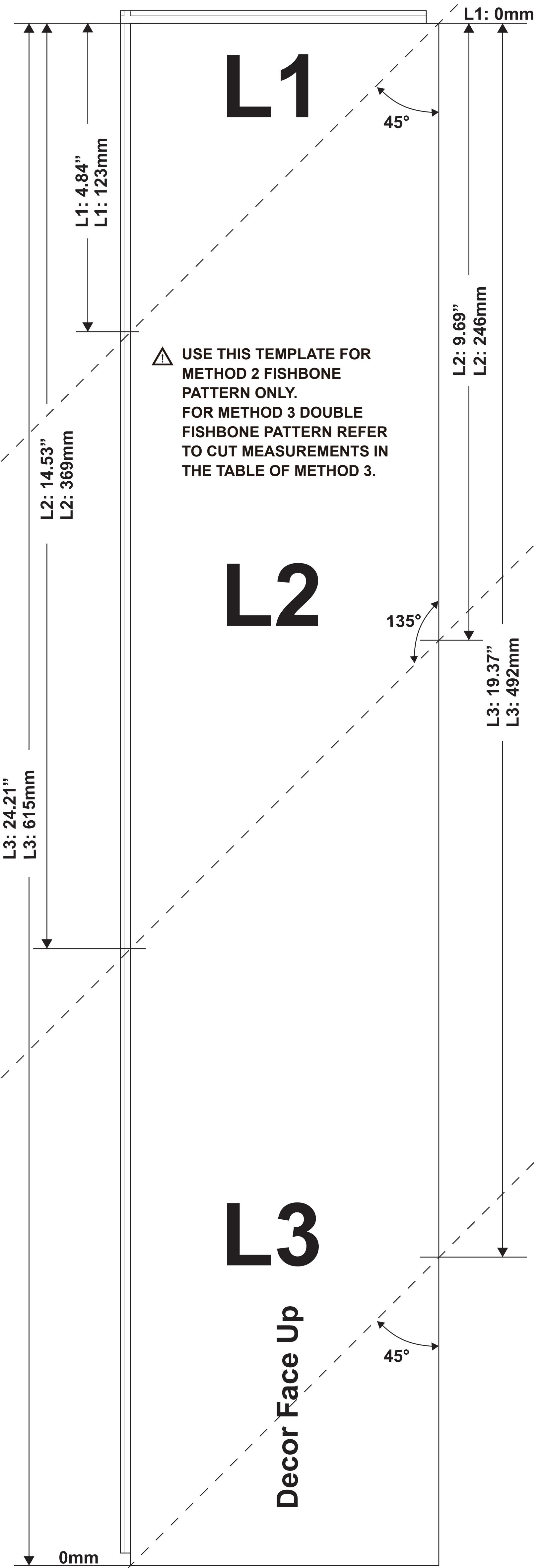
- Each starting set is 870 mm wide, measure how many starting sets you will need based on the width of the room. You can connect the starting sets with one full plank.

- When you reach the walls on both sides, measure the distance between the wall and the closest starting set. Assemble a new set, mark the measured distance on it, cut the planks (the set can be disassembled for this) and install the planks in the gap.

- Align the first starting set with a chalk line going through the center line of the room (to center the installation, make sure the line goes through the middle of the short side of the planks). Always leave a 6 mm expansion gap with the wall.

- Continue this pattern until the room is entirely covered





USE THIS TEMPLATE FOR
METHOD 2 FISHBONE
PATTERN ONLY.
FOR METHOD 3 DOUBLE
FISHBONE PATTERN REFER
TO CUT MEASUREMENTS IN
THE TABLE OF METHOD 3.

L2

