

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 off each item	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 ≤ 9 - CM ≤ 2.5% - ASTM F2170 RH ≤ 90% - ASTM F1869 ≤ 3.63 kg/92 m <sup>2</sup> - ASTM F2659 MC ≤ 4.0% Wood subfloor: - MC ≤ 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 is not to 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 appropriate expansion space	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 10% of flooring for cutting allowance.
- The environment 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.
- Keep the boards at room temperature for at least 24 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 m<sup>2</sup> 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 per 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 moisture or alkali. Remove dirt, paint, varnish, wax, oils, solvents, and any foreign matter and contaminants.
- Do not use products containing petroleum, solvents, or citrus oils 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 also not to be installed in areas that have a risk of flooding such as saunas or outdoor areas, seasonal porches, camping trailers, boats, RVs, lanais, 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 sheet substrates will diminish the product's inherent strength in the clicking mechanism and resisting indentations and could void the warranty.
- Acceptable job site conditions, including 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 have no more than 12% MC (moisture content).
- Basements 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 m<sup>2</sup> per 24 hours. This can be measured with the calcium chloride test (ASTM F1869).
  - 90% RH (ASTM F2170).
  - Max. 2.5% moisture content (CM method / ASTM F2659).
  - Max. 4.0 MC as per ASTM F2659 (a meter calibrated for concrete and qualified 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 jams 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 10 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 subfloor in any way.
- **UNDERLAY:** If the floor DOES NOT HAVE a pre-attached underlayment, an additional underlayment is recommended in order to improve acoustic performance and absorb some irregularities on the substrate. Best results can be expected with an underlayment of 1 mm maximum thickness with a high density (>135 kg/m<sup>3</sup>), high compressive strength (≥200 kPa according to EN 16354, ASTM D3575-20, Suffix D), and <10% thickness change (according to ASTM D3575-20, Suffix B) that supports the click system during daily use. Thicker underlayments, underlayments with a low density and inadequate compressive strength could damage the locking mechanism and will void the warranty.

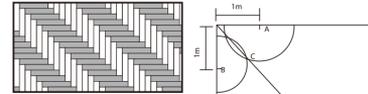
If the floor HAS a pre-attached underlayment, the use of an additional underlayment could damage the locking mechanism and will VOID warranty.

- **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 plating 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.
- **IMPORTANT:** Starting from the second row, always use a tapping block and rubber mallet to gently tap the long side of each plank first, ensuring it is tightly locked with no gaps. Only then proceed to tap the short side into place.

**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 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.

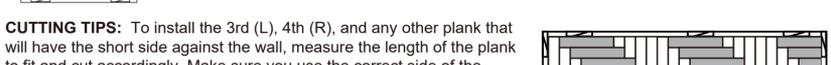


### METHOD 1 – FISHBONE DIAGONAL PATTERN



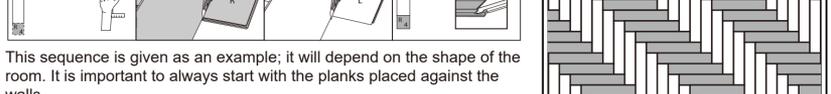
- Start from the left corner opposite the door. Use an 'L' marked plank first and put the tongue sides against the wall. Then take your 2nd plank (marked 'R') and place it perpendicularly to the 1st (Refer to the clicking tips on the bottom of the page). For the 3rd and 4th plank, refer to the cutting tips below. Continue the installation according to the sequence.

**CUTTING TIPS:** To install the 3rd (L), 4th (R), and any other plank that will have the short side against the wall, measure the length of the plank to fit and cut accordingly. Make sure you use the correct side of the plank (see images below).



This sequence is given as an example; it will depend on the shape of the room. It is important to always start with the planks placed against the walls.

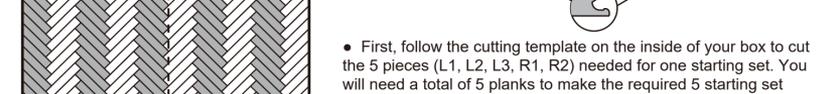
### METHOD 2 – FISHBONE PATTERN



- Each starting set is 1004 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.
- Continue this pattern until the room is entirely covered.

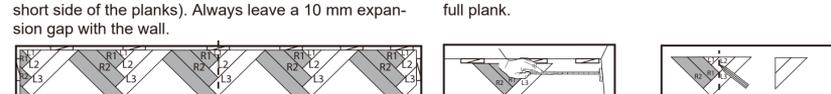
### METHOD 3 – DOUBLE FISHBONE PATTERN



Plank	Groove side	Tongue side
L1	142 mm	0 mm
L2	284 mm	284 mm
R1	426 mm	142 mm
R2	568 mm	426 mm
L3	710 mm	568 mm

Groove: Tongue:

### STARTING SET



- 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 tip of the pattern). Always leave a 10 mm expansion gap with the wall.

- Each starting set is 1004 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.

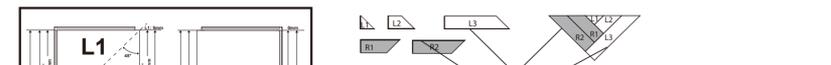
- When you reach the walls on both sides, measure the distance between the wall and the closest starting set. Assemble a new set, mark the measured distance on it, cut the planks (the set can be disassembled for this) and install the planks in the gap.
- Continue this pattern until the room is entirely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

**IMPORTANT:** We recommend to apply a high-grab high-shear hard-setting adhesive inside the locking system at the short side of the planks for additional engagement, avoid using adhesive excessively and be sure to immediately wipe away any excess that comes out to the floor's surface.

### CLICKING TIPS

Place the short end tight to perpendicular plank. Click it into the long end of the parallel panel at a 45° angle. Fold down in a single movement. It is recommended to slightly tap the planks on the edge after clicking them together to make sure they are clicked tightly and aligned perfectly.

**IMPORTANT:** If you notice both planks aren't at the disassemble or are not fully engaged, disassemble and check if any debris stuck inside the lock is obstructing. Failure to properly line up the end joint and attempting to force it in while out of alignment could result in permanent damage to the end joint.



### INSTALLATION IN WET AREAS

**IMPORTANT:** This product is not warranted for installation in wet areas with running water and areas with built-in drains, e.g., pool or shower areas.

- Use a T-molding to separate the wet area from the rest of the installation.
- Fill the expansion spaces with a compressible PE foam backer rod and cover them with a flexible 100% silicone sealant around the entire perimeter of the installation before installing moldings. Branded and generic silicone tubes are available at any local home center or hardware store.
- **IMPORTANT:** Do not use acrylic sealant.
- Apply silicone sealant to connections to doorframes or any other fixed objects.

## IV. FINISHING THE INSTALLATION

- Protect all exposed edges of the flooring by installing wall molding and/or transition strips. Allowing slight clearance between the molding and the planks. Make sure that no plank will be secured in any way to the subfloor.
- At doorways and at other areas where the flooring planks may meet other flooring surfaces, the use of a transition molding is required to cover the exposed edge but do not pinch the planks. Leave a 10 mm gap between the planks and the adjoining surface.

## V. MAINTENANCE

- When possible, use appropriate window coverings, such as drapes, window treatments, or UV-tinting on windows, to protect the product from prolonged exposure to intense heat.
- Sweep or vacuum daily using soft bristle attachments. Do not use a vacuum equipped with a beater bar.
- Do not buff or sand the surface.
- Clean up spills and excessive liquids immediately.
- Damp mop as needed and use neutral cleaners recommended for vinyl flooring.
- The use of residential steam mops and spray mops on this product is allowed. Use at the lowest power with a suitable soft pad, and do not hold a steam mop on one spot for an extended period of time (longer than 30 seconds). Refer to the mop's manufacturer instructions for proper usage.
- Use proper floor protection devices such as felt protectors under furniture. Equip wheeled-type office chairs and other rolling furniture with wide-surface, casters at least 5 cm in diameter.
- Place a walk-off mat at outside entrances to reduce the amount of dirt brought into your home. Do not use mats with latex or rubber backing since these backings can cause permanent discoloration.
- Do not use abrasive cleaners, bleach, or wax to maintain the floor.
- For stubborn spills use low odor mineral spirits or denatured alcohol applied to a clean cloth. Never pour chemicals directly on the floor.
- Do not drag or slide heavy objects across the floor.

## VI. DISASSEMBLING

To disassemble, simply lift the planks one by one following the opposite sequence as the installation.