

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	ASTM F2170 RH 80% ASTM F1869 3.63 kg/92 m ² CM 2.5%	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 5-10% 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.
- 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 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 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 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 m² 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 UNDERLAYER 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. The end joints of the planks should be staggered a minimum of 20 cm apart. Do not install over the expansion joints. Avoid installing pieces shorter than 30 cm at the beginning or end of rows.

- 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.

Decide the installation direction. It is recommended to install the boards perpendicular to the window following the direction of the main source of light.

- Measure the area to be installed: The board width of the last row shall not be less than 50 mm. If so, adjust the width of the first row to be installed. In narrow hallways, it is recommended to install the floor parallel to the length of the hall.

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/m³), 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 underlays, underlays with a low density and inadequate compressive strength could damage the locking mechanism and will void the warranty.

This flooring has a pre-attached underlayment. No additional underlayment is required for installation. The use of additional underlayment could damage the locking mechanism and will void the warranty.

1. Supporting boards: After thoroughly cleaning the subfloor, you should begin laying from left to right. Place the supporting boards further installation.

2. First row, first plank: After thoroughly cleaning the subfloor, you should begin laying from left to right. Position the first plank so that the grooved edge is facing you. Place the floorboard 6 mm from the left wall. Use spacers between the wall and the floorboard.

3. First row, second plank: Drop the plank and gently tap down with a rubber mallet so it firmly locks into the previous plank until both are at the same height. Make sure the planks are perfectly aligned. It is crucial that after the short edges of two rows for correct locking.

Noting the end joint of the first row, continue to lay the planks until you reach the wall on the right.

4. After finishing the installation of the first row: Remove the supporting boards and slide the connected panels toward the wall. Make sure to place spacers between the floor and the wall. After the first 3 rows of planks are installed, they should be checked with a string line to ensure in the installation is still straight. If so, the straight line should be the starting point. If the wall has some irregularities with a string line, it is recommended to use a straight edge to align the planks. If the wall has some irregularities, it is recommended to use a straight edge to align the planks.

5. First row, last plank: At the end of the first row, leave an expansion gap of 6 mm to the wall and measure the length of the last row.

6. To cut the plank: Use a simple utility knife and ruler, and with the top side facing up, score heavily and several times on the top side. Then hold down the second placing it very close to the cut. The plank will split naturally.

7. Second row, first plank: Start the second row with the leftover cut part of the last plank of the previous row. This small plank should measure about 30 cm. Otherwise, cut it in half and use it to begin the second row. The end joints of each adjoining row should not be closer than 20 cm to each other. Whenever practical, use the piece cut from the preceding row to start the next row.

8. Second row, second plank: Click the long side of the plank into the previous row and place it tight to the short end of the previous plank until both angle at 25-30°. Drop the plank and gently tap on the end with a rubber mallet so it firmly locks into the previous plank until both are at the same height. Make sure the planks are perfectly aligned.

9. After finishing the installation of the second row: Use a tapping block and a small hammer or rubber mallet to gently tap the long side of the planks installed. Any gapping will compromise the whole installation.

10. After completing the installation of the third row: Remove the supporting boards and slide the connected panels toward the wall. Make sure to place spacers between the floor and the wall. After the first 3 rows of planks are installed, they should be checked with a string line to ensure in the installation is still straight. If so, the straight line should be the starting point. If the wall has some irregularities with a string line, it is recommended to use a straight edge to align the planks. If the wall has some irregularities, it is recommended to use a straight edge to align the planks.

11. To lay the last row: Position a long edge exactly on this board to the last row laid. Place another board on top, with the tongue side facing the wall. Cut along this line to obtain the required width. Insert this cut board against the wall. The last row should be at least 50 mm wide. The spacers can then be removed.

12. After finishing the installation of the last row: Use a tapping block and a small hammer or rubber mallet to gently tap the long side of the planks installed. Any gapping will compromise the whole installation.

13. Holes for pipes: Measure the diameter of the pipe and drill a hole that is 12 mm larger. Saw off a piece as shown in the figure and lay the board in place on the floor. Then lay the sawed-off piece in place.

14. After finishing the installation of the last row: Use a tapping block and a small hammer or rubber mallet to gently tap the long side of the planks installed. Any gapping will compromise the whole installation.

15. After completing the installation of the last row: Remove the supporting boards and slide the connected panels toward the wall. Make sure to place spacers between the floor and the wall. After the first 3 rows of planks are installed, they should be checked with a string line to ensure in the installation is still straight. If so, the straight line should be the starting point. If the wall has some irregularities with a string line, it is recommended to use a straight edge to align the planks. If the wall has some irregularities, it is recommended to use a straight edge to align the planks.

16. To lay the last row: Position a long edge exactly on this board to the last row laid. Place another board on top, with the tongue side facing the wall. Cut along this line to obtain the required width. Insert this cut board against the wall. The last row should be at least 50 mm wide. The spacers can then be removed.

17. After finishing the installation of the last row: Use a tapping block and a small hammer or rubber mallet to gently tap the long side of the planks installed. Any gapping will compromise the whole installation.

18. After completing the installation of the last row: Remove the supporting boards and slide the connected panels toward the wall. Make sure to place spacers between the floor and the wall. After the first 3 rows of planks are installed, they should be checked with a string line to ensure in the installation is still straight. If so, the straight line should be the starting point. If the wall has some irregularities with a string line, it is recommended to use a straight edge to align the planks. If the wall has some irregularities, it is recommended to use a straight edge to align the planks.

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