



## Before You Start / Preparations

Please read all the instructions before you begin the installation. Improper installation will void warranty.

### Important notice

After installation, make sure to keep the room with a temperature range of 32°F/0°C to 100°F/37.8°C. Excessively high or low temperatures may cause this product to expand or contract and lead to visual defects of the floor that will not be warranted.

Installation in areas with sustained direct sunlight:

In the case where the flooring is in direct sunlight for much of the day (Sunrooms, etc.) it is recommended that the planks be glued down in those spots/areas. The planks are still clicked together as per the floating installation instructions, but an approved premium Luxury Vinyl flooring adhesive should be used in areas of direct sunlight as needed. Be sure to follow the adhesive manufacturer's instructions, including correct trowel size.

For the best result, make sure to always work from 2 to 3 cartons at a time mixing the planks during the installation.

- This product 100% Virgin PVC and free of Phthalate / Formaldehyde / Heavy metals.
  - Calculate the room surface prior to installation and plan an extra 10% of flooring for cutting waste.
  - If the boxes of flooring were exposed over 2 hours to extreme temperatures (under 50°F/10°C or over 100°F/37.8°C) within the 12 hours before the installation, acclimation is required. In this case, keep the boards in room temperature for at least 12 hours in unopened package before you start the installation. The room temperature must be maintained consistent between 32°F/0°C to 100°F/37.8°C before and during installation.
  - Subfloor Information  
Flooring should only be installed in temperature controlled environments. HVAC system must be in operation before the installation of flooring. All subfloors must be clean, flat, dry and structurally sound. Subfloor must be free of excessive moisture or alkali. All contaminants such as dirt, oil, paint, solvents, etc. must be removed before installation. Subfloor must be flat -  $\frac{3}{16}$ " in 10' or  $\frac{1}{8}$ " over 6'. High spots must be leveled and low spots must be filled. Basements and crawl spaces must be dry, well ventilated, and a 6 mil black polyurethane is required to cover 100% of the crawlspace earth.  
Do not install additional underlayment. Product has attached pad and the use of additional underlayment will void product warranty.
- Suitable Subfloors**
- ~ Concrete
  - ~ Plywood, OSB, particle board, chipboard, wafer board, etc. must be structurally sound and must be installed following their manufacturers recommendations.
  - ~ Suspended hard flooring that is fully adhered. Hardwood must be smooth.
  - ~ Single layer resilient flooring that is full adhered (excluding cushion backed products). Any embossing in the existing floor must be leveled.
  - ~ Ceramic tile, Terrazzo, Marble that has been leveled.
- Wood Subfloors**
- ~ Any existing wood subfloors must be firmly secured.
  - ~ Subfloor panels must have a smooth, sanded face and show no signs of swelling.
  - ~ Do not apply sheet plastic over wood subfloor.
  - ~ Nail or screw every 6" along joists to avoid squeaking.
  - ~ Do not install over wood subfloors that lay directly over concrete.

### Concrete Subfloors

- ~ Must be fully cured for at least 60 days.
- ~ Must be smooth, dry, clean, and free of all foreign material such as dust, wax, grease, oil, paint, etc.
- ~ Maximum moisture level per Calcium Chloride test is 5 lbs per 1000 in 24 hr. In-Situ Relative Humidity test is not to exceed 85%.
- ~ A 6 mil polyethylene moisture barrier must be applied if moisture levels in the concrete exceed limits.
- ~ PH level of concrete must range between 5-9.
- All subfloors must be free of deflection. Subfloor deflection will damage the locking system and void your warranty.
- When installing in bathrooms, the gap should be filled and sealed with a good quality siliconized or acrylic caulk. The gap must then be covered with moulding or wall base. Base cabinets must not be installed on top of flooring.
- When installing in a flush mount stair nosing, the nosing should be glued with two parallel  $\frac{1}{4}$ " beads of construction adhesive. Then cut the tongue off of the adjacent plank and glue it down with construction adhesive. Engineered Vinyl products can be adhered to the subfloor on one side of the room but must be able to float freely in the opposite direction.
- This product is waterproof against topical moisture only and is not intended act as a moisture barrier. Moisture that accumulates underneath the flooring may result in damage to the floor and/or mold/bacterial growth.
- If this flooring is intended to be installed over an existing wooden floor, it is recommended to repair any loose boards or squeaks before you begin the installation.
- With a floating floor, you must always ensure you leave a  $\frac{1}{4}$ " gap between walls and fixtures such as pipes and pillars, stairs, etc. These gaps will be covered with trim moldings after the floor is installed. Tip: When installing around pipes, drill the holes  $\frac{1}{4}$ " larger than the diameter of the pipes.
- Decide the installation direction. It is recommended to install the length direction of the planks parallel to the main light direction.
- Measure the area to be installed: The board width of the last row shall not be less than 2". 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.
- Inspect each individual plank one by one before installation. No claims on visual surface defects will be accepted after installation.
- Due to the speed of sudden temperature changes, which has the potential to negatively affect this flooring, it is not recommended to install over any electrical radiant heating system. Installation over electrical radiant heating systems will not be covered by the manufacturer's warranty. Below instructions are for radiant heating system using water.

Do not use this product over electric coil heating.

Ensure the radiant heat surface temperature never exceeds 81°F/27.2°C.

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. The maximum moisture content of the screed is 1.5% (CM method). Shut down the floor heating at least 24 hours prior to installation. Make sure that the temperature in the room is at least 60°F/15.6°C during installation. It is recommended that the radiant heat be applied in a gradual manner after installing the floor. Refer to the radiant heat system's manufacturer recommendations for additional guidance.

### Tools and supplies required

- \* Spacers
- \* Soft Faced Hammer
- \* Ruler
- \* Pencil
- \* Tape Measure
- \* Utility Knife
- \* Tapping Block
- \* Pull Bar

## Starting the installation

- ◆ Remove baseboards, moldings, appliances, and furniture from the room. Sweep then vacuum any dust, dirt, or debris from the sub-floor. Door trims should be undercut to allow the flooring to move freely. Any pinch points throughout the installation will negatively effect the performance of your floor.
- ◆ Determine your starting wall and position the first plank so that the tongue of the plank is facing the wall. A ¼" expansion space is required around the entire perimeter of the room including fixed objects such as pipes. Always work from the left side of the room to the right side. Remember that the end joints on the adjacent rows of planks must be staggered a minimum of 6". Measure the room to ensure that cut pieces are not shorter than 8" and the board width of the last row is no less than 2" wide.
- ◆ To install the second plank in the row, angle the end tongue into the groove of the first plank then drop the plank down so it lays flat on the floor. Continue to do so until you reach the end of the room. You will likely need to cut the final plank to fit. Remember to factor in the ¼" expansion space into your plank measurement. Planks can be cut by scoring the surface with a utility knife.
- ◆ Begin the second row of planks with the piece cut from the first row unless the cut piece is less than 8" long. Install the first piece of the second row by angling the tongue on the long side of the plank into the groove of the plank in the first row. Keep this piece at its natural angle off the subfloor then angle the adjoining piece into the short side groove. Once the short side groove is connected, angle the long side tongue just over the groove lip of the adjacent plank in the first row. Will maintaining the natural angle, slide the plank into the long side groove of the adjacent plank in the first row. Go to <https://valinge.se/flooring-technologies/floor-locking-technologies/2g/> to learn more. If slight gapping is noticed, use a tapping block on both the long and short sides of the plank to ensure the joints are locked securely in place. Once 3 rows of planks are completed, they should be checked with a string line to ensure they are running straight. The first row can be trimmed to account for any unevenness in the wall.
- ◆ Continue with the remaining rows until you reach the end of the room. When installing planks under door casings you may require a pull bar to slide the plank it place.

## Maintenance

- ~ Sweep or vacuum daily using soft bristle attachments.
- ~ Clean up spills and excessive liquids immediately.
- ~ Damp mop as needed and use cleaners recommended with no-wax or oil.
- ~ Protect floor from constant direct sunlight. Close blinds or drapes during peak sunlight hours.
- ~ Use proper floor protection devices such as felt protectors under furniture.
- ~ Use a mat at entrance ways (please ensure the mat doesn't have rubber backing).
- ~ Do not use abrasive cleaners, bleach or wax to maintain the floor.
- ~ Do not drag or slide heavy objects across the floor.