

INSTALLATION GUIDE SPC



**NOTE: IT IS IMPORTANT TO READ THE INSTRUCTIONS PRIOR TO INSTALLATION.
IMPROPER INSTALLATION WILL VOID YOUR WARRANTY.**

! IMPORTANT NOTICE !

AFTER INSTALLATION, MAKE SURE TO KEEP THE ROOM TEMPERATURE RANGE OF -60°C TO +60°C AS 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.

- Calculate the room surface prior to installation and plan an extra 10% of flooring for cutting waste. For best results, make sure to always work from two (2) to three (3) cartons at a time, mixing the plants during installation.
- **ACCLIMATION** Big Ben Plus SPC is required to acclimate to the environment in which it will be used prior to installation. Keep boxes flat and level. Do not store boxes on their sides. During acclimation, heat and air conditioning should be functional to maintain a temperature between 5°C to 60°C. Only allow temperature changes after installation is fully completed.
- For floor surfaces exceeding 4,000 ft² or 370 m², and/or lengths exceeding 80 ft/18m use expansion mouldings.
- Inspect your sub-floor before you begin. It must be clean and level to $\frac{3}{16}$ in / 4.76mm within a 10 ft. span. Big Ben Plus SPC can only be installed over a fully fastened substrate or properly cured concrete. Maximum deflection should be no more than $\frac{3}{64}$ in / 1.1mm.
- Although this floor is waterproof, it is not aimed to be used as a moisture barrier. The sub-floor must be dry (max 2.5% moisture content – CM method). This product is also not to be installed in areas that have a risk of flooding such as saunas or outdoor areas.
- When installing on cement, it is necessary to create a moisture barrier using polyethylene film with a thickness of 6mil (0.2mm). Overlap the edges of the polyethylene by a minimum of 8" (20cm) and seal the junction with moisture-proof, self adhesive tape to prevent moisture from seeping through, which could create residue and swelling on your flooring surface.
- 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.
- Do not install kitchen cabinets or island directly over SPC flooring.

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- With a floating floor, you must always ensure you leave a ¼" 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 ¾" 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 with 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 surface defects will be accepted after installation.
- Due to the speed of sudden temperature changes, which has 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 systems using water.

DO NOT USE THIS PRODUCT OVER ELECTRIC COIL HEATER

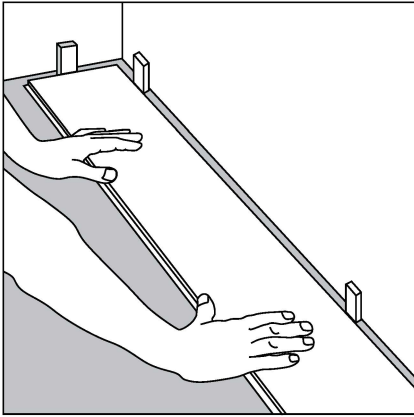
Ensure the radiant heat surface temperature never exceeds 60°C.

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 48 hours prior installation.

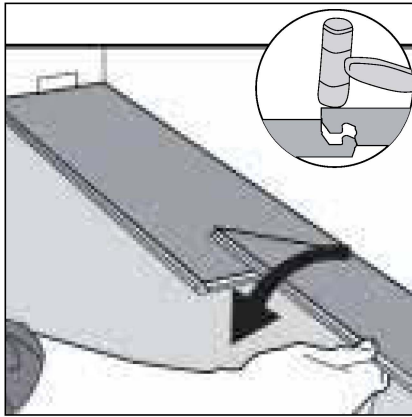
- It is recommended that the radiant heat be applied in a gradual manner after installing the floor. Refer to the radiant heat system's manufacturer recommendations for additional guidance.

Tools and supplies required

• Spacers • Rubber Mallet • Ruler • Pencil • Tape Measure • Utility Knife

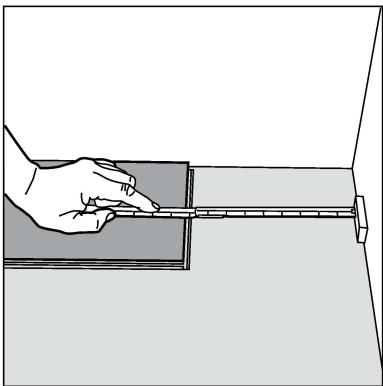


① After thoroughly cleaning the subfloor, you should begin laying in the left-hand corner. Place the floorboard 1/4" from the left wall. Use spacers between the wall and the floorboard.

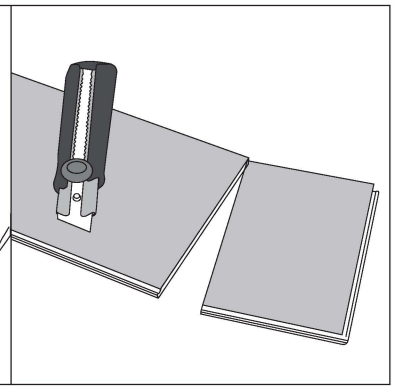
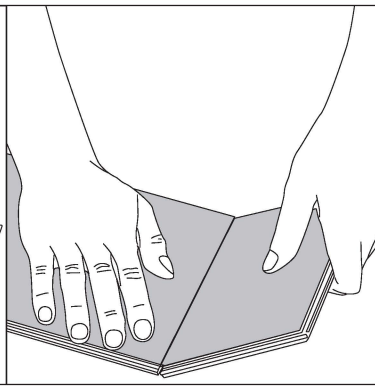
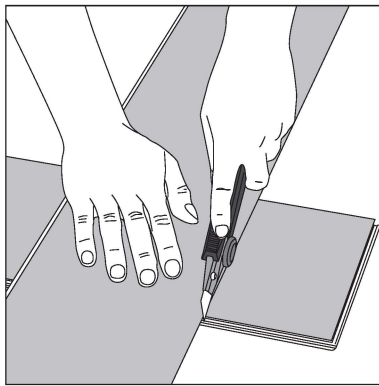


② Second Plank, first row. Drop the plank and gently press down the end with a rubber mallet so it firmly locks into the previous plank until both are at the same height. Make sure both planks are perfectly aligned. NOTE: If you notice both planks aren't at the same height or are not well locked together, please follow the disassembling instructions at the bottom of the page, disassemble and check if any debris stuck inside the lock is obstructing.

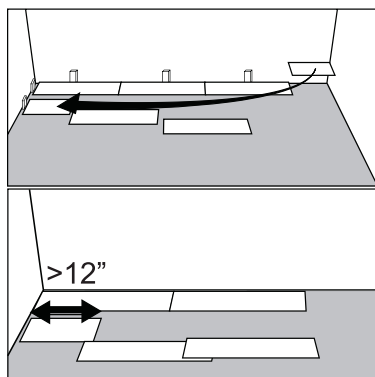
③ **WARNING:** FAILURE TO PROPERLY LINE UP THE END JOINT AND ATTEMPTING TO FORCE IT IN WHILE OUT OF ALIGNMENT COULD RESULT IN PERMANENT DAMAGE TO THE END JOINT.



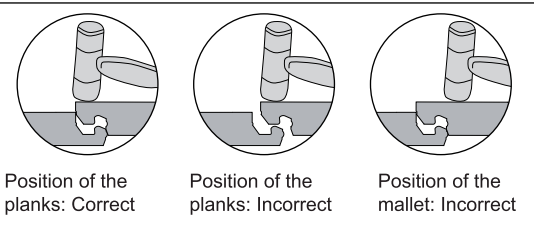
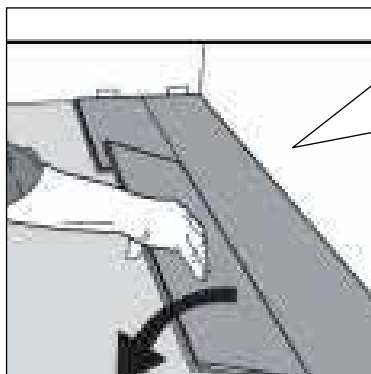
④ At the end of the first row, leave an expansion gap of 1/4" to the wall and measure



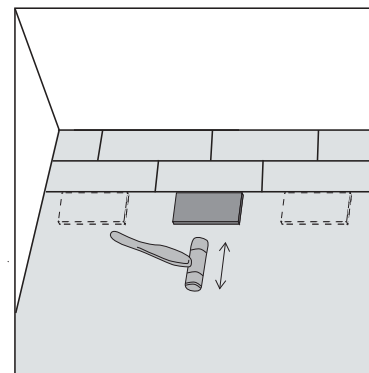
⑤ To cut the plank, use a simple utility knife and ruler, and with the top side facing up, cut heavily and several times on the same axis. The knife will not go through the surface but make a deep cut. You can then lift one half of the plank using your other hand to hold



- ⑥ Start the second row with the leftover cut part of the last plank of the previous row. This small plank should measure at least 12". Otherwise, use another plank that should be cut in two. The end joints of each adjoining row should not be closer than 8" to each other.

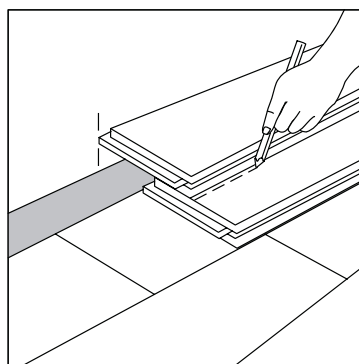
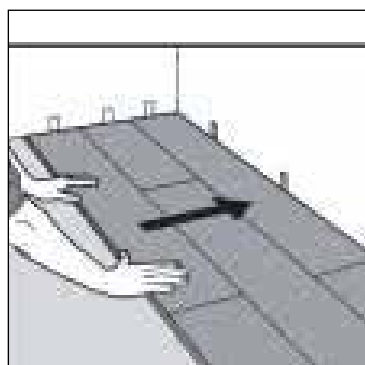


- ⑦ Click the long side of the plank into the previous row and place it tight to the short end of the previous plank with an angle of 30 degrees. Drop the plank and gently press down the end with a rubber mallet so it firmly locks into the previous plank until both are at the same height. Make sure both planks are perfectly aligned. NOTE: If you notice both planks aren't at the same height or are not well locked together, please follow the disassembling instructions at the bottom of the page, disassemble and check if any debris stuck inside the lock is obstructing.



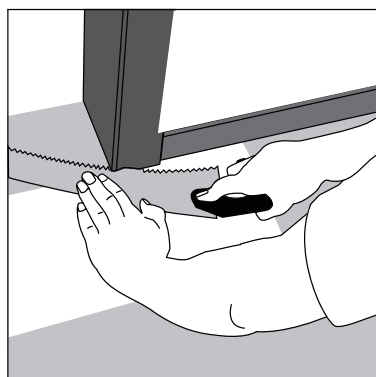
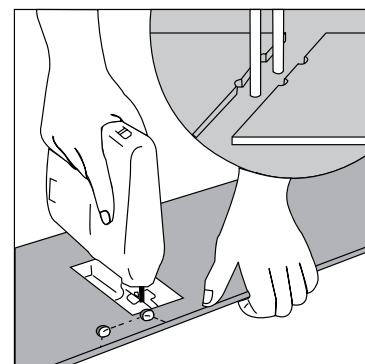
Helpful Hint

- ⑧ After finishing the installation of the row, use scrap pieces and a small hammer or rubber mallet to gently tap the planks into the click of the previous row to make sure they are tightly clicked together and make sure there is no gap between the long side of the planks installed. ANY GAPPING CAN COMPROMISE THE WHOLE INSTALLATION.



- ⑨ After 2-3 rows. Adjust the distance to the front wall by leaving an expansion gap of 1/4". Always ensure that the end joints are staggered at least 8", both when in the same row as when from one row to the next one.

- ⑩ To lay the last row: position a loose board exactly on top of the last row laid. Place another board on top, with the tongue side touching the wall. Draw a line along the edge of this boards, to mark the first board. Cut along this line to obtain of the required width. Insert this cut board against the wall. The last row should be at least 2" wide. The spacers can then be removed.



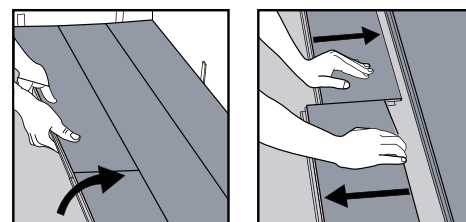
Maintenance

- 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

- ⑪ Door molding and skirting: lay a board (with the decorative side down) next to the door molding and cut as shown in the figure. Then slide the floorboard under molding.

- ⑪ Holes for pipes: measure the diameter of the pipe and drill a hole that is 7/8" 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.

Disassembling



Separate the whole row by lifting it up delicately at an angle. To separate the planks, leave them flat on the ground and slide them apart. If planks do not separate easily, you can slightly lift up the planks (5°) when sliding them apart.