

RioGrande

Water Resistant Laminate Flooring

Installation Instructions

Materials shall be installed in accordance with AUSTRALIAN STANDARDS 1884-2021 Floor coverings – Resilient sheet and tiles – Installation practices and these instructions.

Please read all instructions before you begin the installation.

72 hours
water block



Warranty

ArmstrongFlooring™

Installation Instructions

RioGrande

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QUICK REFERENCE GUIDE

Improper installation will void warranty:

Conform to current AS 1884 standard

Important notice:

All wood based products, even those specifically designed to have increased resistance to moisture, are hygroscopic (they will react to the moisture in the environment) and as a result will expand or contract accordingly. All sources of under floor moisture must be rectified prior to the installation of the floor. Any construction dampness must be completely dry. Although this product has been designed with bathroom* installation in mind it is not waterproof and excessive wetting is to be avoided and water spillages dried immediately. It is important that you check each plank for any manufacturing defects. Any faults must be reported back to the store of purchase for an immediate refund or replacement prior to the flooring being installed.

- Calculate the room surface prior to installation and plan an extra 10% of flooring for waste.
- Keep the boards in room temperature for at least 48 hours in unopened package before you start the installation. The room temperature must be between 18° and 32°C (65-90°F) and the relative humidity should be maintained between 30-65% before, during and after the installation. For floor surfaces exceeding 400m (4000 sq.ft) and or lengths exceeding 20m (66 feet) and overlaps to new rooms and floor surface which do not join symmetrically, use expansion joints to divide the floor sections.
- Inspect your subfloor before you begin. It must be clean, dry (max. 2.5% moisture content - CM method) and level to 5mm (3/16") within a 3 meters (10 foot) span.
- 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 installation.
- With a floating floor you must always ensure you leave a 10mm (1/2") gap between walls and fixtures such as pipes and pillars, stairs, etc. Tip: When installing around pipes, drill the holes 20 mm (3/4") larger than the diameter of the pipes.
- A vapor barrier to be installed over concrete substrates. In the case installation is done over a wood substrate on or below grade a vapor barrier must be installed if there is not a vapor barrier existing in a well-ventilated crawl

space. A minimum 0.15mm (6 mil) plastic poly sheeting should be used as a moisture barrier. Underlayments thicker than 3mm (1/8") are not advised. (Note: some collections may have a pad factory pre-attached to the back of planks, so no additional pad is needed).

- Relative Humidity Levels of your room should be maintained at 30-65 % at 18-32°C (65° - 90°F).
- 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 50mm (2"). If so, adjust the width of the first row to be installed. When measuring, take the free gap requirement of about 10mm (1/2") of the floor perimeter into account. In narrow hallways, install the floor parallel to the lengthways.
- Inspect your laminate flooring. No claims on surface defects will be accepted after installation.
- Due to the speed of sudden temperature changes, which has the potential to negatively affect laminate flooring construction, 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.

Ensure the radiant heat surface temperature never exceeds 27°C (81°F). 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 to installation. Make sure that the temperature in the room is at least 15°C (60 °F) during installation. It is recommended that the radiant heat be applied in a gradual manner after installing the laminate floor. Refer to the radiant heat system's manufacturer recommendations for additional guidance.

TOOLS AND SUPPLIES REQUIRED

- Spacers
- Rubber Mallet
- Tape Measure
- 0.15mm (6mil) or thicker polyurethane vapor barrier for crawl space and concrete floor installations.
- Saw
- Ruler
- Pencil
- Utility Knife
- Adhesive Tape
- Constructions Adhesive

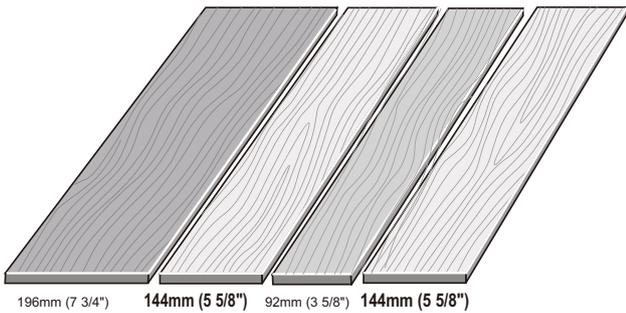
FOR BATHROOM*, LAUNDRY ROOM OR COMMERCIAL INSTALLATIONS

It is important to seal any cut planks to ensure superior and warranted performance. When a flooring plank is cut to fit (either end cuts or side cuts), a sealant is always required around the perimeter of the installation.

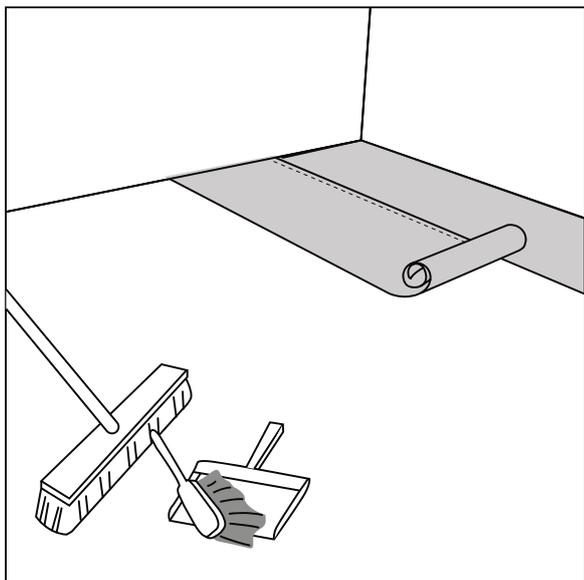
- Once the flooring installation is completed, a general Silicone based sealant should be applied around the perimeter (in the expansion space at walls). This should also include any other areas such as islands, doorways, columns, etc. where the laminate flooring planks have been cut to fit.
- Branded and generic Silicone tubes are available and any local home center or hardware location.

*Rio Grande Laminate Flooring is not recommended for installation in bathrooms or where the installation of a floor waste or where 'falls to waste' are required (Refer Building Code of Australia 2016 Volume 1, F1.7 Water-proofing of wet areas in buildings).

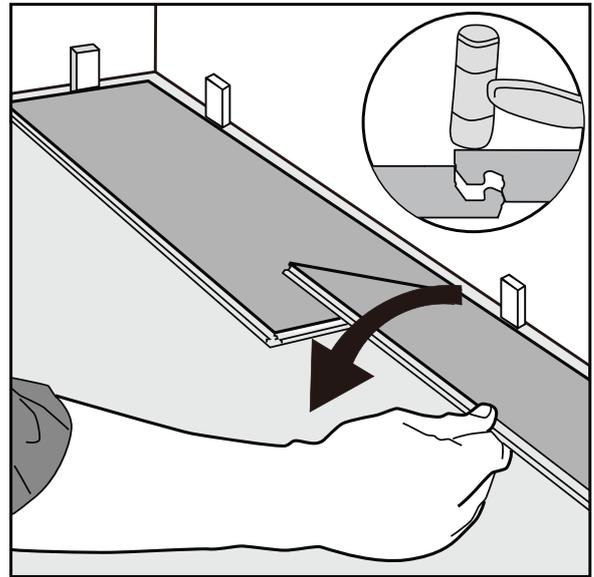
ATTENTION:
For mixed width products only. Use a 144mm wide plank (5 5/8") every other row



NOTE: A 144mm (5 5/8") wide plank MUST be used in every other row. This sequence must be followed throughout the entire installation.



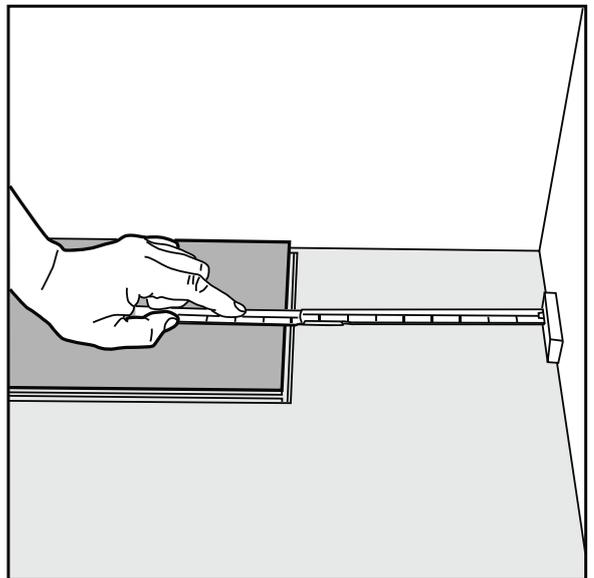
1. If you are installing over a concrete subfloor, a 6-mil / 0.15mm poly (plastic sheeting) is to be installed under the flooring.



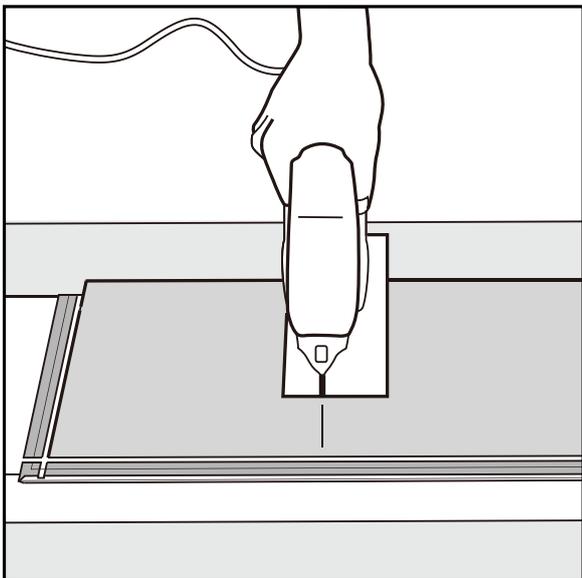
2. Begin laying in the left-hand corner. Place the floorboard 10mm (1/2") from the left wall. Use spacers between the wall and the floorboard.

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.

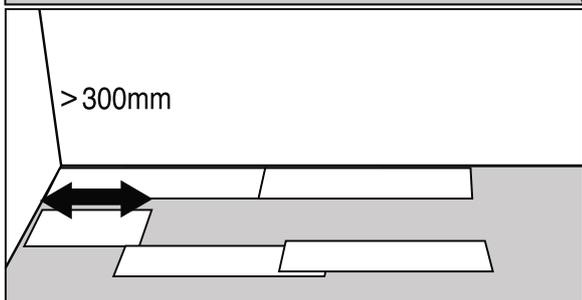
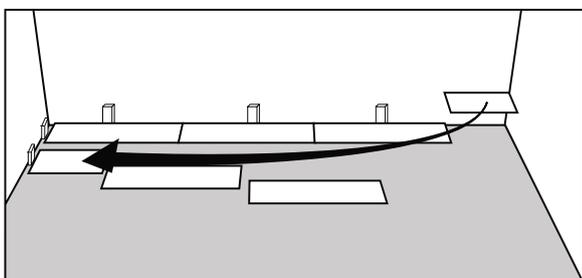
Make sure both planks are perfectly aligned. NOTE: If you notice both planks aren't at the same height or are not well locked together, please follow the disassembling instructions at the bottom of the page, disassemble and check if any debris stuck inside the lock is obstructing.



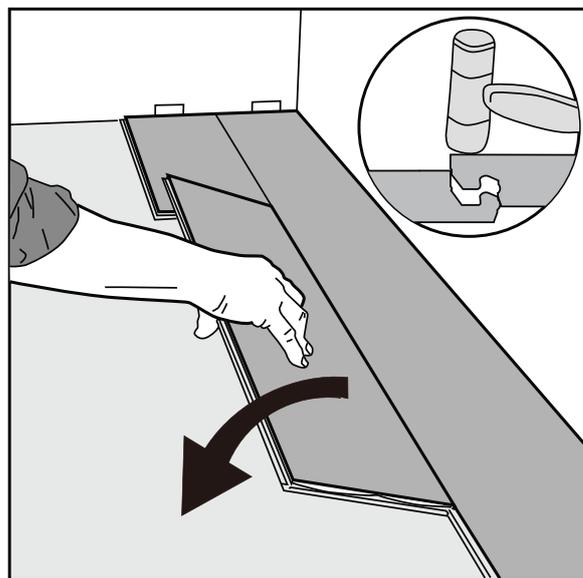
3. At the end of the first row, leave an expansion gap of 10mm (1/2") to the wall and measure the length of the last plank to fit.



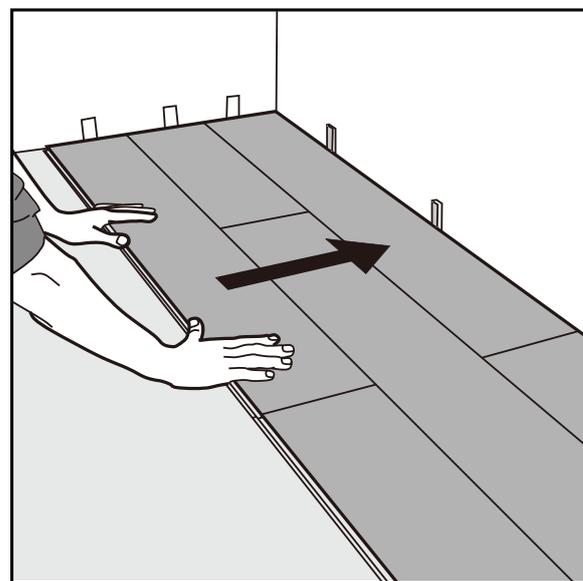
- 4.** If cutting with a jig saw, the laminate surface should be turned down. If cutting with a hand saw, the laminate surface should be face up.



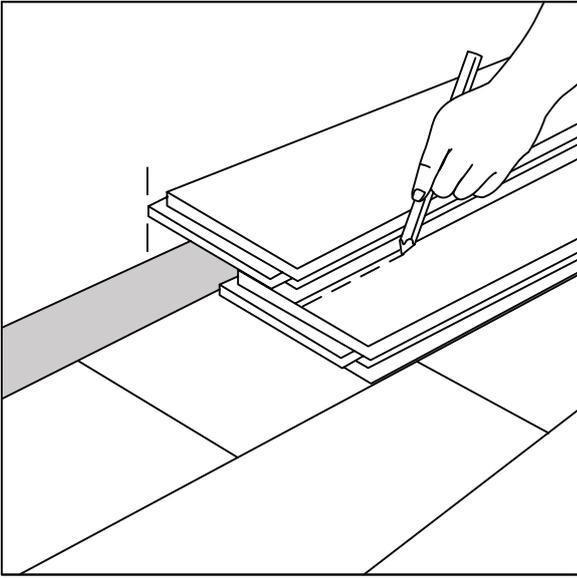
- 5.** Start the second row with the leftover cut part of the last plank of the previous row. This small plank should measure at least 30cm (12"). Otherwise, use another plank that should be cut in two. At any case, the short sides cut are distant from at least 30cm (12").



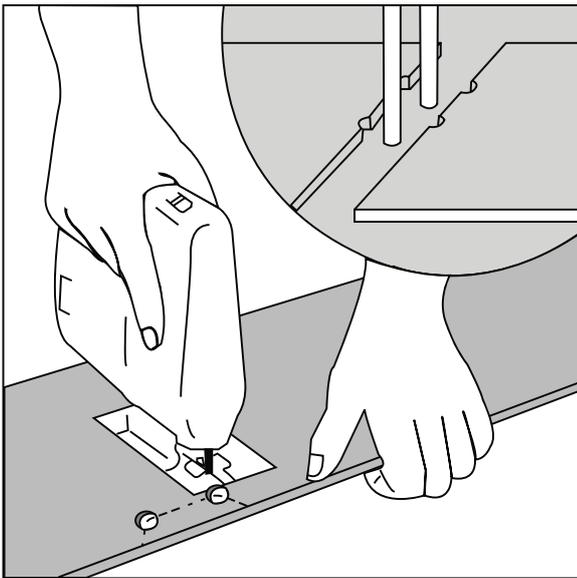
- 6.** Clic the long side of the plank into the previous row and place it tight to the short end of the previous plank. Drop the plank and gently press down the end with a rubber mallet so it firmly locks into the previous plank until both are at the same height. Make sure both planks are perfectly aligned and locked into the previous row leaving no gap (refer to "Helpful Hint" at the bottom of the page). 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.



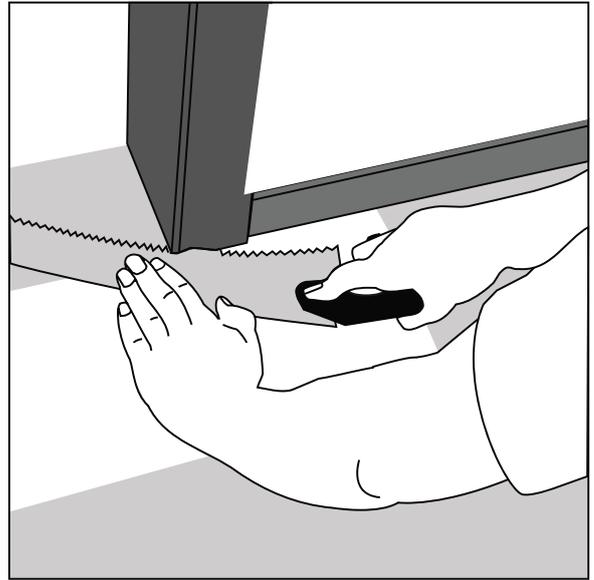
- 7.** After 2-3 rows. Adjust the distance to the front wall by leaving an expansion gap of 10mm (1/2"). Always ensure that the end joints are staggered at least 30cm (12"), both when in the same row as when from one row to the next one.



- 8.** 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 board, 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 50mm (2") wide. The spacers can then be removed.

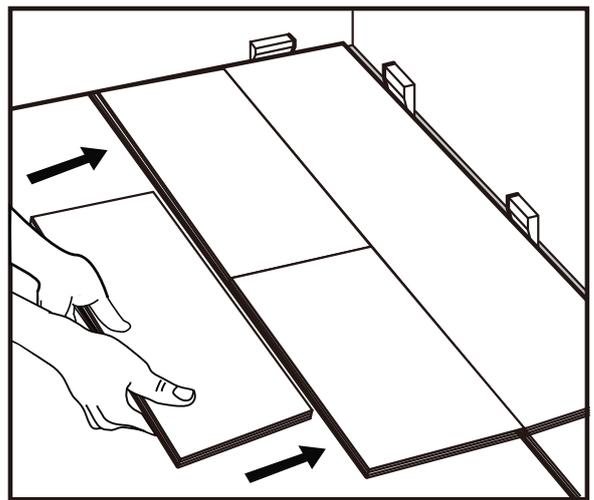


- 9.** Holes for pipes: measure the diameter of the pipe and drill a hole that is 20mm (7/8") larger. Saw off a piece as shown in the figure and lay the board in place on the floor. Then lay the sawed-off piece in place.



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

HELPFUL HINT / CONSEJOS CLAVE / CONSEIL UTILE



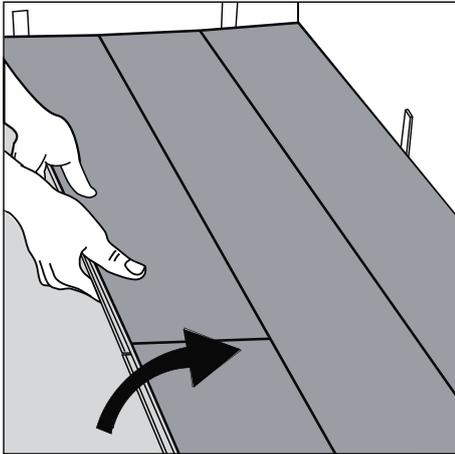
When installing each new row, take a full loose plank and use the long side to tap against the prior row to ensure no gapping.

MAINTENANCE

Clean the floor regularly with a vacuum cleaner or dry mop. If necessary, the floor may be cleaned with a wet mop and a laminate cleaner. The use of residential steam mops on this product is allowed. Use at 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 5 minutes). Refer to the steam mop's manufacturer instructions for proper usage.

Avoid using too much water. To protect the floor from sand we recommend you to use the doormats at entries (but do not use mats with a rubber backing).

DISASSEMBLING / DESMONTAJE / DÉMONTAGE



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.

ARMSTRONG FLOORING PTY LTD

FLOORCOVERINGS, ADHESIVES & ACCESSORIES MANUFACTURED IN AUSTRALIA AFTER 1st JANUARY, 1984
DO NOT CONTAIN ASBESTOS



WARNING

Vinyl flooring and adhesives manufactured in Australia prior to 1st January, 1984 may contain asbestos.

Existing Resilient Flooring

Do not sand, dry sweep, dry scrape, drill, saw, beadblast, or mechanically chip or pulverise existing resilient flooring, backing, lining felt or asphaltic 'cut-back' adhesives.

These products may contain either **asbestos fibres** or **crystalline silica**.

Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Unless positively certain that the product to be removed is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content.

Where do I go to find out more about asbestos?

Asbestos Awareness www.asbestosawareness.com.au – provides information on a state by state basis about the dangers of asbestos, asbestos removal, who to contact and other important information.

NOTE: Vinyl flooring manufactured in Australia after January 1, 1984, **DOES NOT** contain asbestos. However, regulations, codes and directives as to the best method of handling asbestos do exist and it is the obligation of the installer to ensure that practices used are safe, without risk to health, and meet all legal requirements.

Disclaimer—Asbestos issues

The warnings and guidance contained in these instructions in relation to the potential for asbestos in floorcovering materials are given in good faith. However, regulations, codes and directives as to the best method of handling asbestos are under continual revision. It is the obligation of the installer to ensure that practices used are safe, without risk to health, and meet all legal requirements.

Armstrong Flooring Pty Ltd accepts no liability for any loss, costs, expense or injury, however incurred, arising from the presence of any asbestos in any floorcovering materials or asphaltic 'cut-back' adhesives and/or any reliance placed upon the procedures and recommended practices contained in these instructions.

Armstrong Flooring Pty Ltd

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