

# INSTRUCTION GUIDELINES FOR MAXIPLY 20MM HERRINGBONE FLOORING

## INSTALLATION GUIDELINES FOR MAXIPLY 20MM ENGINEERED HERRINGBONE FLOORING

**NOTE:** Installation of MaxiPLY Herringbone style flooring requires a high degree of technical ability and should only be performed by a qualified and experienced professional hardwood installer.

### PRODUCT USE

This floor may be installed:

- on, above or below ground in well ventilated & dry conditions in line with the climate control section of these installation instructions.
- with glue down installation only
- over plywood or concrete sub-floor

This floor may be installed over water based Underfloor heating if the installation conforms to the conditions outlined by the manufacturer of the Under Floor Heating system. Please check with your UFH manufacturer for more details.

This floor should **NOT** be installed in bathrooms or laundry rooms. Use in either of these applications will void the product warranty. MaxiPLY Herringbone Flooring is for indoor residential use only.

**PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING THE INSTALLATION.** MaxiPLY Herringbone Flooring must be installed in accordance with the following instructions. Failure to do so may void the product warranty.

### INSTALLER'S / OWNER'S RESPONSIBILITY

As a natural product, wood contains inherent variations in colour, grain and appearance and other visual imperfections. MaxiPLY Herringbone floors are manufactured in accordance with accepted industry standards which permit a defect tolerance not to exceed 5%. These defects may be the result of manufacturing or naturally occurring characteristics of the material. It is recommended that a minimum of 10% for cutting & 5% for visual grading allowance be added to the total square meterage when calculating the quantity of flooring required.

**Please Note:** If your room is not in equal proportion you will find the percentages of waste exceeds the above ratios

It is the joint responsibility of the installer and owner of the site to conduct a quality inspection of all flooring prior to installation. All pieces of flooring should be examined for quality of manufacture, finish and colour. If the product quality is deemed unacceptable, it should not be installed. Flooring that has been installed will be deemed to have been inspected and accepted by the installer and owner, even if the owner is not present at the time of installation.

It is the sole responsibility of the flooring installer to ensure that the site, sub-floor and installation tools and materials meet or exceed all applicable industry standards. MaxiPLY Floor accepts no responsibility for problems arising from incorrect or improper site preparation or installation procedures.

### SITE PREPARATION:

#### INSTALLATION IN NEWLY CONSTRUCTED HOME

Installation of wood flooring is one of the last jobs of a new home construction. Prior to installing a wood floor, ensure that:

- The building is completely enclosed with all outside doors and windows in place and securable, including a door from an attached garage to house interior.
- All concrete, masonry, plastering, drywall, texturing, painting and other wet work is complete and thoroughly cured and dry.
- Basements and crawlspaces are dry. Crawlspaces must have no standing water; crawlspaces must also have a vapour barrier and adequate ventilation in accordance with local building codes.
- Gutters and downspouts are in place, directing water away from the building.
- HVAC systems are fully operational, enabling heat and humidity levels to be controlled and maintained throughout the home.
- Sub-floor is properly prepared for installation.
- If installing over a under floor heating system, ensure that the system is in full working order and has been fully tested and running for a minimum of two weeks prior to installation. The system should be turned off for 24 hours prior to installation in the install zone.\*

#### INSTALLATION IN EXISTING HOME (RENOVATION)

Installation in an existing home must meet the same conditions as a new home. If part of a larger remodelling project, ensure that all wet work (painting, wallpapering, texturing, etc.) is completed and thoroughly dry before commencing flooring installation.

In addition:

- Remove all furniture, artwork and other valuables from installation area.
- Remove skirtings and moldings.
- Undercut door casings (use a piece of the flooring as a depth gauge).
- Remove existing flooring, if necessary.
- If installing over a Under Floor Heating system, it is strongly recommended that a UFH technician be consulted prior to installation to ensure that the heating system can be operated effectively at temperatures acceptable to the wood flooring.
- The system should be turned off for 24 hours prior to installation in the install zone.\*

#### SUB-FLOOR PREPARATION

The installer and customer are jointly and solely responsible for ensuring that the sub-floor is suitable for the flooring application and properly prepared for installation.



## INSTALLATION GUIDELINES FOR MAXIPLY 20MM ENGINEERED HERRINGBONE FLOORING

---

All sub-floors must be clean, dry, structurally sound and flat to within 2mm in any 2 linear metre area using a steel straight edge. All sub-floors must be tested for moisture content and the moisture content of both sub-floor and flooring must be within allowable limits before commencing installation.

Plywood sub-floors must meet BS standard requirements (minimum 18mm). They must be secure to the joists, free of squeaks and protruding fasteners. Timber sub-floor moisture content must not exceed 12%, and the variance in moisture content between the sub-floor and the flooring boards must not exceed 4 percentage points.

Concrete sub-floors must be fully cured (60 days) prior to installation. Moisture content of the slab should not exceed 3.0% moisture and protective DPM systems should be used if required. Ensure moisture reading equipment is always used prior to installation.

If the flooring is being installed over a Under floor Heating System, moisture content of the slab should not exceed 3.0%. The system should be turned off in the installation zone for 24 hours before installation begins and left off for the duration of the installation period.

Maximum allowed temperature on top of the floor underneath the floorboards is 27°C. Please note that normal loose carpets/rugs insulate i.e. increase the floor surface temperature by about 2°C.

**Important: Follow the heating regulation recommendations given by the under floor heating system supplier.**

### CLIMATE CONTROL

Conditions at the job site must be maintained with the temperature between 18-24°C and humidity at 45-65% before, during and after the installation. Flooring material should not be delivered to job site until these conditions have been met and maintained for one week prior to installation if installing over plywood, and for two weeks if installing over concrete. Following installation, these conditions should be maintained all times to ensure proper performance of the floor. See Warranty for details.

When temperature and humidity have met the conditions detailed above, material may be delivered to the job site. If stacking the boxes, cross-stack to ensure good airflow between layers. Do not open the boxes; leave closed until ready to commence the installation, and then open only as needed.

### COLOUR RACKING

Real wood flooring contains natural variations in colour and grain pattern. In order to prevent colour “grouping” or repetitive grain patterns in the finished floor, it is recommended that boards be racked (visually sorted) before installation to create a satisfactory and pleasing colour arrangement. Immediately prior to installation, unpack

3 or 4 cartons to get a sense of the range of colour variation and arrange the planks to achieve a satisfactory appearance.

When racking, inspect all boards for visible manufacturing defects. Once installed, boards will be considered to have been accepted by the customer and will not be eligible for replacement. (See Warranty for details.)

### EXPANSION SPACE

Wood flooring will expand and contract with changes in ambient temperature and humidity. To allow for this, during installation leave a 15mm expansion space around the entire perimeter of the floor between the flooring and the walls. Also leave expansion space where the flooring will meet any vertical obstacle, such as stairs, pipes, door trims, tiles, cabinets etc.

**NOTE:** In climates with extreme variations in humidity, or in large installations (+80m<sup>2</sup>), a larger expansion space may be required.

### INSTALLATION OF HERRINGBONE FLOORING

Ensure sub-floor is suitable and properly prepared. Verify moisture content of both sub-floor and flooring is within allowable limits before commencing installation. If installing over Under Floor Heating System, place approved heat sensors on the sub-floor in accordance with manufacturer’s instructions. A minimum of 5 sensors must be placed for every 100m<sup>2</sup> of flooring installed. (Failure to install the product in accordance with these instructions will void the product warranty.)

Determine the layout for the floor and the direction the pattern will run. Typically the pattern will follow the length of the room, but in some cases it may be positioned according to fixed features such as a fireplace or a main entranceway.

**Precise measurements** are essential when laying a herringbone pattern. Verify measurements and check row alignment frequently to ensure the pattern is being laid accurately and evenly.

When you have determined the centre line for the pattern, snap a chalk line along the entire length of the installation area. Then, snap a parallel chalk line 500mm to the left of the centre line and another 500mm to the right\*\*. These will serve as guides for the outer edges of the first two rows and the corner of each board should be checked once installed to ensure it is parallel to the chalk guideline. You may want to snap additional lines as guides for the outer rows as you proceed with the installation.

To begin the installation, Select your starting area in the middle of the room. Once you have marked out the center of the room, mark the left & right lines as per the diagram (below), fix two battens to the sub floor in line with the template. Once fully fixed dry fit several boards to ensure your pattern will run in line and square with your marked Centre & left/right markings Prepare the boxes of flooring. A unique feature of herringbone



## INSTALLATION GUIDELINES FOR MAXIPLY 20MM ENGINEERED HERRINGBONE FLOORING

---

herringbone flooring is that the boards are milled in two different profiles, one for the left side of the pattern and one for the right. You may note that each board has an A or B on the underside of each board to identify the difference in profile difference. It is recommended that you physically separate the boxes, keeping the left boards on your left hand working side and the right boards on your right hand working side. This will avoid confusion when you begin installing.

Open a box of each, inspect the boards, and rack out your first section of flooring.

Use Timba Floor Pro Bond or similar moisture-cured urethane adhesive specially formulated for wood flooring installation. For trowel selection, adhesive application and all other aspects of adhesive usage, follow the adhesive manufacturer's instructions. The use of suitable moisture suppressants must be used if your sub-floor is outside of the guide lines stated in the floor preparation.

Begin installation in the area directly over the top of the chalk lines. Spread adhesive over a reasonable working area.

Set the first right hand board in place with the groove side snug to the guide and the butt ends aligned with the chalk guides.

Set the first left hand board in place engaging the upper butt joint with that of the right hand board. When installing boards, avoid pushing them into place across the sub-floor as this may unevenly redistribute the adhesive. Instead, hold the new board above the sub-floor at an angle, engage the tongue and groove joint, then press the board directly down onto the sub-floor.

Ensure no glue is forced into tongue & groove joints during installation as this may affect the fit of the joint. Avoid getting adhesive on the flooring surface, and clean up any seepage or spills immediately according to adhesive manufacturer's instructions.

To prevent boards shifting after they have been set into place, strap them with low tack masking tape. (Do not use regular masking tape as it may leave a residue of adhesive on the surface.) Continue working forward until the first two rows are complete to the far wall. Cut final row to fit, allowing expansion space to the wall. Remove the plywood guide and work back to complete the first two rows.

Continue with the installation in whichever direction best suits the working conditions. Check measurements and row alignment frequently to ensure that your rows are staying true and square. Snap new chalk lines with every row to serve as guides. When installation is complete, remove all the masking tape from

the floor. (Do not leave the masking tape on the floor for more than 24 hours.) If desired, roll the floor with a padded roller of recommended weight (100 to 150lbs). Install mouldings and profiles as required. Ensure skirting or mouldings are affixed to the wall, not the floor. Wait 24 hours before moving furniture or appliances onto floor.

If the flooring was installed over a Under Floor Heating system, wait 24 hours after installation or until the adhesive has fully cured before turning the system back on. Bring the temperature of the system up gradually, in 5° increments. Never allow the temperature of the floor to exceed 27°C and avoid dramatic temperature changes; always adjust the system gradually in 5° increments. It is recommended that a dedicated thermostat be installed to allow the temperature of the Under Floor Heating to be accurately controlled. \*

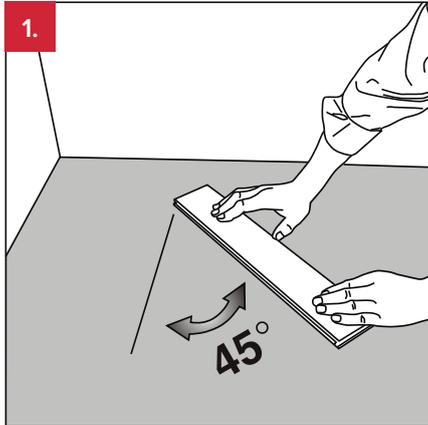
\*\* measurements are subject to board size and sizes quoted may need to be altered to suit some floors.



# MAXIPLYFLOOR™

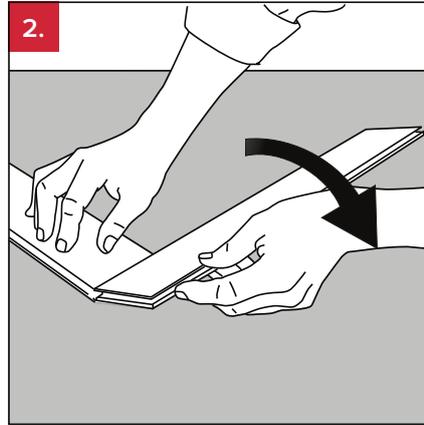
## INSTALLATION GUIDELINES FOR MAXIPLY 20MM ENGINEERED HERRINGBONE FLOORING

### INSTALLATION GUIDE



#### 1. Getting started.

Choose a wall to start at and begin installing at the left corner. Start with an A-panel and place it with its long side marking facing the left wall at an angle of 45°. Make sure that the distance between the left wall and the panel is less than the length of one panel.

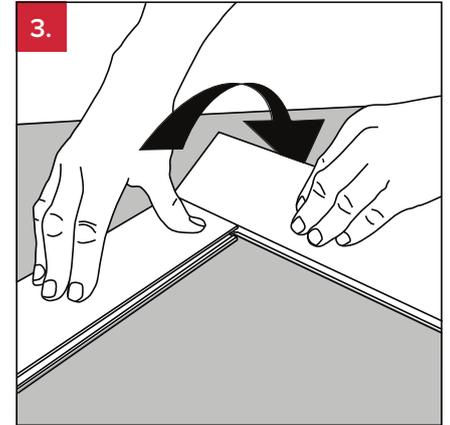


#### 2. Connect next panel

Continue with a B-panel. Press the long side of the B-Panel at an angle against the short side of the previous installed A panel.

Fold down the B-panel flat to the floor to lock the panels tightly together.

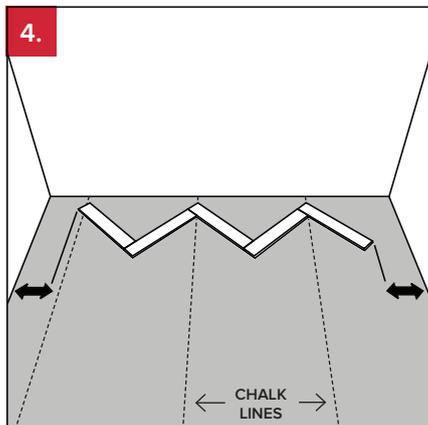
Check that the grooves on the two panels form a continuous line.



#### 3. Connect additional panels

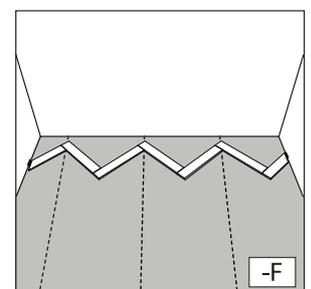
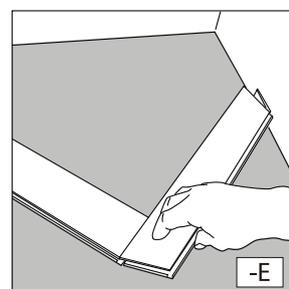
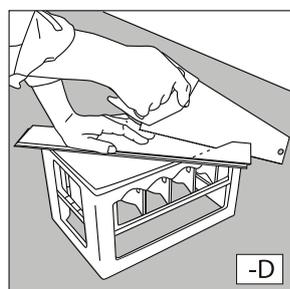
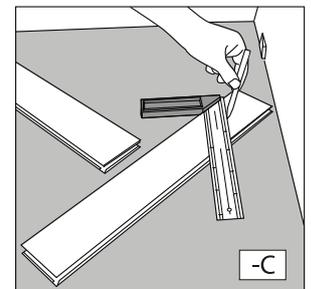
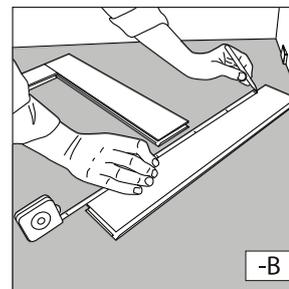
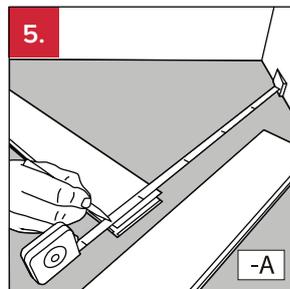
Next panel is an A-panel. Again, press the long side of the new A-panel at an angle against the short side of the previous B-panel and fold down. Continue like this with as many panels as may fit along the starting wall.

\* Please note: Gaskets must be used on any short side / header joints where no tongue exists on the connecting board.



#### 4. Center the first row

Check that the first row of panels is centered along the starting wall. Make sure that the distance to the walls on both sides are less than the length of one panel. If not, add a panel at the right side.



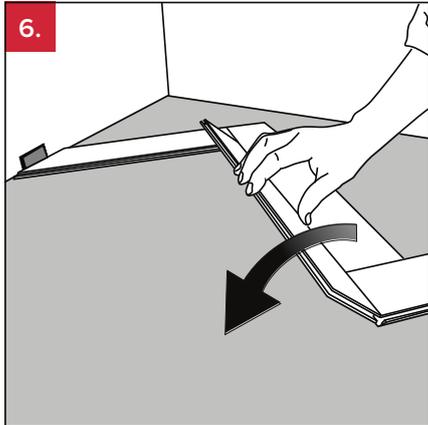
#### 5. Cut the end panels to size

Measure and cut the end panels to size using a fine-toothed saw. Finish the first row with the cut end panels. Make sure that you leave a gap of 15mm to each wall.



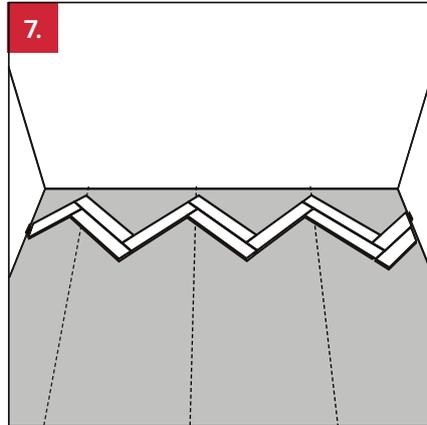
## INSTALLATION GUIDELINES FOR MAXIPLY 20MM ENGINEERED HERRINGBONE FLOORING

### INSTALLATION GUIDE



#### 6. Start the second row

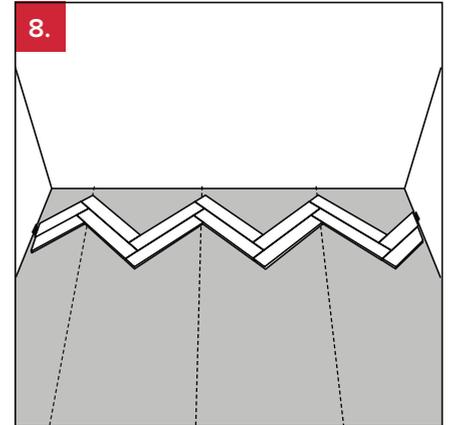
Start the next row with an A-panel. Place the new panel against the previous row and fold down.



#### 7. Install the A-panels

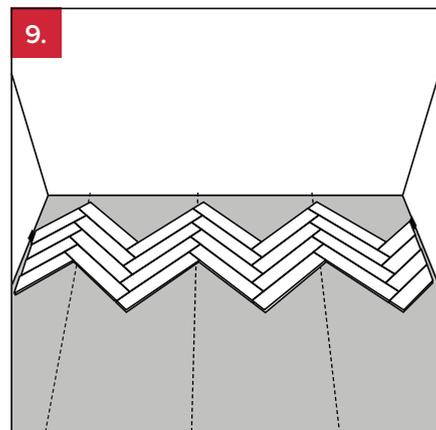
Continue from the left to the right and install all the A-panels in the second row.

Finish with a piece of panel cut to size (step 5).



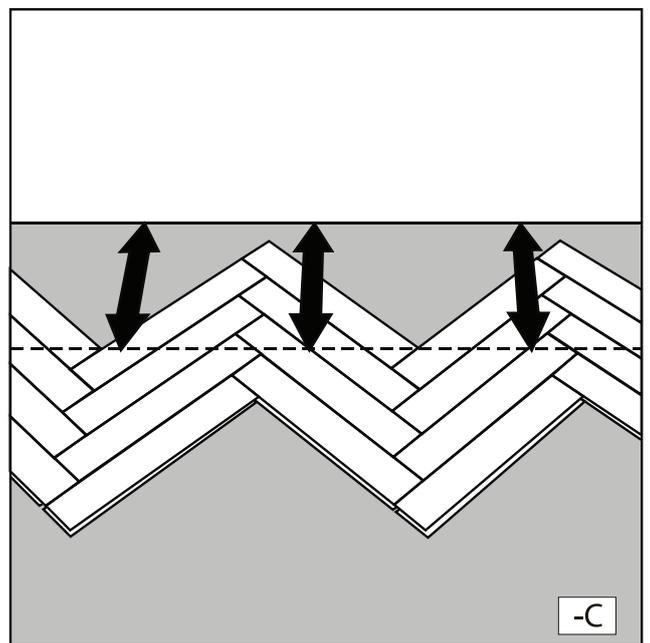
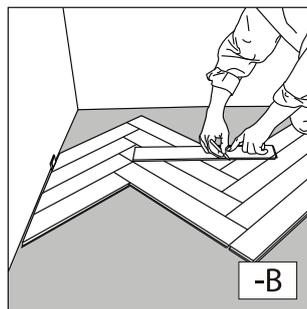
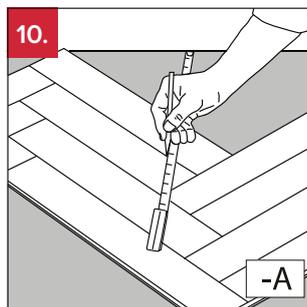
#### 8. Continue with the B-panels

Now work in the opposite direction, from the right to the left and install all the B panels in the second row. Finish with a piece of panel cut to size (step 5).



#### 9. Complete four rows

Install additional rows to complete four full rows.

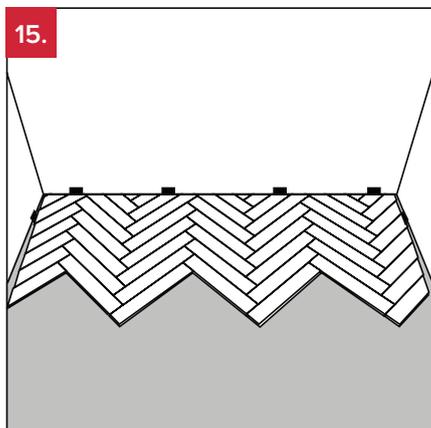


#### 10. Adjust the starting rows

The first four rows have to be cut parallel to the wall. Measure and mark where to cut the floor panels at a fixed / parallel distance to the wall.

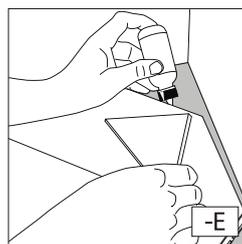
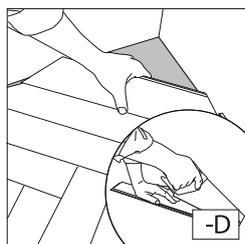
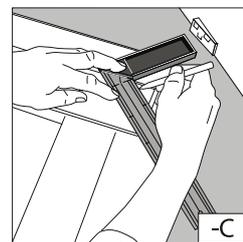
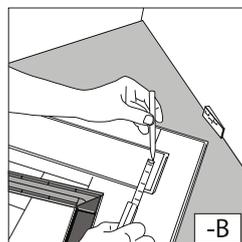
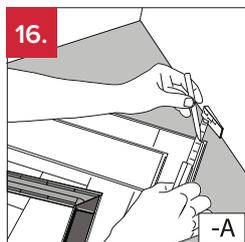
## INSTALLATION GUIDELINES FOR MAXIPLY 20MM ENGINEERED HERRINGBONE FLOORING

### INSTALLATION GUIDE



#### 15. Subsequent rows

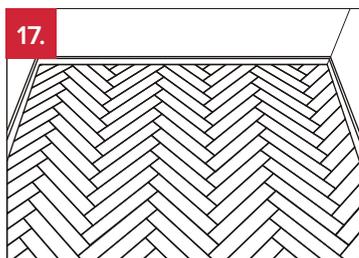
Start each subsequent row by installing the A-panels from the left to the right and complete the row by laying the B-panels from the right to the left.



#### 16. Last row

Measure and cut the panels in the last row to size.

It is recommended to use glue to install the smallest pieces of panels. Apply a small quantity of glue inside the groove.



#### 17. Spacers and skirting

Remove the spacers and cover the expansion gap with skirting boards or beadings.

## WARRANTY INFORMATION FOR MAXIPLY 20MM ENGINEERED HERRINGBONE FLOORING

### UK WARRANTY

1. MaxiPLY Floor is responsible for manufacturing defects.
2. The warranty lasts for 15 years starting from the date of purchase. The original invoice is proof of date of purchase.
3. MaxiPLY Herringbone must be installed correctly according to the above-mentioned instructions. The warranty covers normal use. The warranty does not cover the use in damp and wet spaces, such as conservatories, bathrooms and kitchens.
4. Floorboards showing visible defects should not be installed. It is the responsibility of the owner/fitter to deselect these boards at time of installation. These boards are to be allowed for in the 10% waste tolerance. Boards with visible defects that are installed as such are excluded from this warranty. Colour and grade de-selection is not allowed for, as this is personal choice and not a defect in manufacture.
5. Finished flooring, i.e. lacquered, stained, oiled, brushed, or other finished flooring is subject to normal wear and is not covered by this warranty, i.e. if you don't maintain the floor correctly, the warranty is null and void.
6. Excluded under this warranty are: scratches, heavy impacts, humidity, and damage caused by incorrect use or lack of correct maintenance.
7. If you have a defect, which falls under the conditions mentioned in this warranty, you should report this to your dealer in writing within 14 days after detecting the defect. In your letter you should include a copy of the invoice.
8. The warranty provided only relates to the floor boards supplied, consequently it does not include labour costs, the costs of additional material and any other consequential loss.
9. In case of a dispute arising from the MaxiPLY Floor warranty, either party may call upon an independent expert to render binding advice. In the event that this clause is applicable, the cost shall be agreed in writing with all parties involved in advance.
10. The 15 year warranty period will continue from original date of purchase and will not be affected by subsequent resolution of any complaint.
11. Where the MaxiPLY Floor warranty applies, MaxiPLY Floor or its distributors will replace the faulty floorboards. In case the product in question is no longer available, MaxiPLY Floor will ensure replacement by an alternative product of the same quality.
12. This warranty shall apply only to the original owner/purchaser of this wood floor.

### WARRANTY WILL NOT BE APPLICABLE IN CASE OF:

The floor has not been installed following the correct methods outlined in the instructions by a qualified installer.

The faults were noticeable prior to the floor being fitted. Defects and/or faults having arisen due to dampness and/or water damage or any other causes as a result of force majeure.

Defects and/or faults having been caused by improper use or negligence and failure to use the product for its intended purpose, as well as having been caused by having disregarded the instructions with respect to installation, use and maintenance.

Visual faults having arisen as a result of any deformation of the floorboards due to changed climate conditions, any variations in colour due to the influence of sunlight and the effects of regular aging and/or wear and tear of the finishing coat.

Stains or mechanical damage of the surface (scratches and dents etc.) resulting from improper treatment during transport, storage and any damage caused by stiletto heels, furniture, stones, sand, pets etc.

### MANUFACTURING TOLERANCE

ENGINEERED HARDWOOD FLOORS ARE A NATURAL PRODUCT AND AS SUCH ARE SUBJECT TO MANY VARIANCES IN COLOUR AND CHARACTER IN EACH INDIVIDUAL PIECE OF FLOORING, WE ALWAYS THEREFORE RECOMMEND YOU WORK FROM 3-4 PACKS OF FLOORING AT A TIME IN ORDER TO GET THE BEST NATURAL COLOUR MIX. AS SUCH A TOLERANCE OF 5% SHOULD BE ALLOWED FOR THE DESELECTION OF ANY MATERIAL DEEMED UNSUITABLE FOR INSTALLATION. THIS PRODUCT IS PRODUCED WITH A MANUFACTURING TOLERANCE OF + OR - 1.5% ON THE DIMENSION OF THE BOARD AND IN LINE WITH SPECIFIED TIMBER MANUFACTURING GUIDELINES, AS SUCH ANY ITEMS OUT OF TOLERANCE SHOULD BE DISMISSED AS PART OF THE 5% MANUFACTURING TOLERANCE.

