# Installation Guide
## LAMINATE FLOORING

PERGO
Floors for real life

This installation guide gives you a summary of the most important points to consider before, during and after installation. For more detailed written guidance and tutorial videos, we recommend that you click/scan the QR-codes in this guide. If you are unable to check the website or scan the QR-code, please contact your dealer or contact your local Unilin technical services.

TO OBTAIN THE BEST RESULT, THE INSTALLATION GUIDE MUST BE CAREFULLY FOLLOWED BY ALL PARTIES.
LOCAL REGULATIONS AND STANDARDS REGARDING INSTALLATION OR SITE CONDITIONS MUST BE FOLLOWED IF THEY ARE STRICTER.

**SUITABILITY, CARE, MAINTENANCE AND WARRANTY GUIDELINES**

MAINTENANCE

REPAIR GUIDE

WARRANTY

FLOOR HEATING

- Designed for indoor heated applications, see condition table.
- Aquasafe technology allows installation in humid areas (for specific water-resistant conditions, see warranty).
- Not suitable in areas which have a built-in floor drain.
- Not suitable in very humid/dry areas such as but not limited to saunas, non-heated rooms, pool areas and showers, etc. .
- A floating installation should remain floating! Never fix/block/permanently load a floating floor! (e.g. do not install kitchen, built-in closets, heavy stoves, fixed objects,... on top of the floor).
- Boxes should be stored and transported flat, in neat stacks. Never store them upright.
- For maintenance instructions: click/scan the Maintenance QR-code.
- Preventive measures:
  - Install a proper doormat at all external entrances;
  - Keep the furniture legs always equipped with soft and clean protective pads;
  - Use soft castor wheels (type W according to EN 12529) and/or a suitable protective mat;
  - Never drag items over the floor, but always lift them.
- Remove spills immediately.
- Always maintain a relative humidity (RH) of 30-85% in the room.
- In case of damage, click/scan the Repair guide QR-code.
- Open joints may appear during the heating/cooling season and/or excessively rapid or large relative humidity swings.
- For more information about the warranty (residential and commercial applications): click/scan the Warranty QR-code.
- In case of floor heating /cooling: click/scan the Floor heating QR-code.

| CONDITIONS TABLE | ROOM TEMPERATURE | RELATIVE HUMIDITY (RH) |
|---|---|---|
| Storage & transport | > 0°C | 30-85% |
| Acclimatization + during installation<br>Floating installation: 48 hours before, during, until 24 hours after installation | 15-25°C | 30-85% |
| Usage | > 0°C | 30-85% |

In case of floor heating and cooling, see floor heating instructions.



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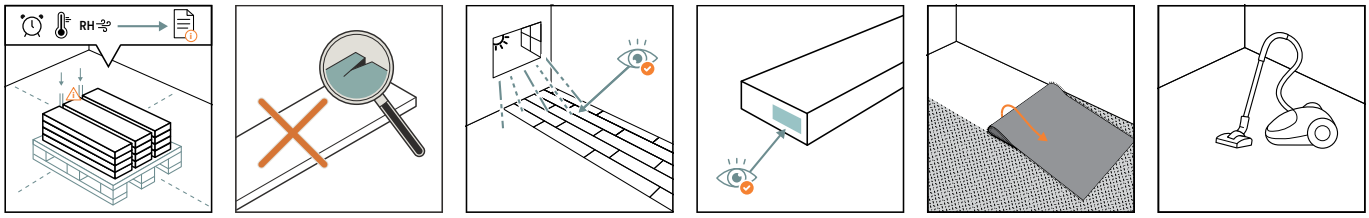
### PREPARATION




UNDERLAY

SUBFLOOR GUIDANCE

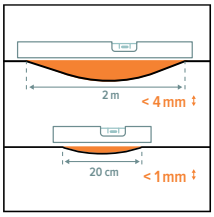
UNDERCUTTING DOORFRAME

- Acclimatize the unopened boxes on a flat surface in the area of installation or one with equivalent conditions, see conditions table
- If region specific climate conditions are outside this 30-85% range, we strongly advise to stabilize the environment within the recommended range.
- An installed panel/floor is considered as an accepted panel/floor; installation implies acceptance! Ensure that the materials codes and appearance match the selected/ordered floor and always check the product for:
  - damage or defect;
  - appearance in optimal light conditions (e.g. colours, gloss variation).
- Keep at least:
  - one box-label;
  - your purchase receipt;
  - photo of all codes on the underside of 1 panel.
- We highly recommend to keep some spare panels for replacements in case of damage to the floor during its lifetime.
- All works that have influences on the RH% in the room (e.g. plasterworks) should be completed and dried out beforehand.
- The type of subfloor, its quality and its preparation significantly affect the final result.
- For detailed subfloor guidance: click/scan the Subfloor guidance QR-code.
- Remove existing and/or too soft floor covering:
  - Remove any damp-porous floor covering (carpet, needle felt, etc.);
  - Impervious floor covering (non-foamed/non-cushioned vinyl, linoleum, etc.) does not have to be removed.
- The subfloor must be solid, self-supporting, stable, structurally sound, flat, clean and permanently dry, as well as being free from irregularities or defects and fit for the purpose intended.
- Moisture content of the subfloor (if the subfloor moisture content exceeds the recommended levels, consult subfloor material manufacturers for suitable damp proofing and preparation):

| SUBFLOOR | UNHEATED | HEATED* |
|---|---|---|
| Cement | < 2.5CM% - 75% RH | < 1.5CM% - 65% RH |
| Anhydrite (Calcium sulphate) | < 0.5CM% - 75% RH | < 0.3CM% - 65% RH |
| Wood based | < 10%MC (moisture content) | |

*Start the floor heating at least two weeks before laying your Pergo floor, see Unilin floor heating instruction and floor heating instruction of the manufacturer.

- Flatness of the subfloor:




If irregularities exceed these limits, sand the surface and/or use a smoothing compound.

- Monitor and keep records of your measurements (e.g. subfloor moisture content, RH, room temperature readings,...).
- Always use a Pergo underlay (including vapour barrier on mineral subfloor)! To choose the correct underlay: click/scan the Underlay QR-code.
- Required tools: ruler, pencil, hammer, saw, square, suitable dust mask, safety gloves and goggles, string/chalk line, tapping block, pull bar and spacers.
- Undercutting doorframe: click/scan Undercutting doorframe QR-code.



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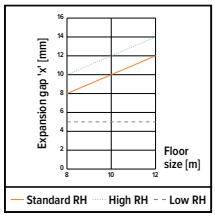
### GENERAL INSTALLATION RULES

- The humidity and temperature will influence the properties of the material, see conditions table.
- Transfer the subfloor joints to the surface of the floorcovering when you have a risk of movement of the subfloor.
- Maintain the correct expansion gap:

| TYPE OF INSTALLATION | INSTALLATION SIZE | EXPANSION GAP REQUIRED |
|---|---|---|
| Floating | maximum 13x13m | 1 mm/m floor width with a minimum of 8mm<br>In regions with very low RH (e.g. Nordic countries), the clearance to the wall should be lowered to 5mm. In regions with high RH, the clearance should be certainly 10mm.<br><br>Expansion gaps are mandatory on the entire perimeter of the floor, around all fixed and/or possible blocking objects, pipes, ....<br><br>Intermediate T-profiles are mandatory when 1 or more of the following apply (respect the expansion gap on either side of the profile):<br>• irregular shaped rooms (eg. L, U, T-shaped rooms);<br>• there is floor heating and cooling with different heating zones (separate the zones);<br>• maximum installation size is exceeded;<br>• in every doorway.<br><br>**Exception Intermediate T-profiles:**<br>Valid for Belgium, Luxemburg, Switzerland, the Netherlands, Germany, Austria, Spain, Portugal, Greece, Croatia, Hungaria, Bulgaria, Servia, Romania, Ukraine, Slovakia, Czech Republic, Poland, Lithuania, Latvia, Estonia, Canada.<br>Not applicable for Herringbone and Tile designs.<br>In case the total installed surface (sum of all rooms) is less than 13x13m, a profile is only needed in the bathroom/toilet doorway.<br>Other rooms can be connected without profile if:<br>• width of the installed floor in the doorway is ≥ 0,80m;<br>• installed laminate has a thickness ≥ 8mm and has a uniclic-uniclic click connection;<br>• in case of floor heating and cooling, connected rooms have the same heating / cooling systems and temperature zones.<br>• it is to be considered that every property / environment is different. If problems (for example open joints, raised edges, crackling noise, ...) occur due to this, then a profile will need to be retrofitted and panels re engaged, this is not production related. |




- The base of the doorframe must not create a fix point to the floor.
- Remove all spacers within 24 hours.



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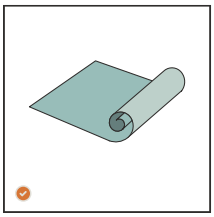
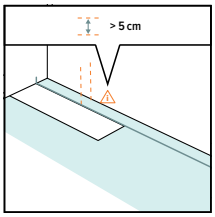
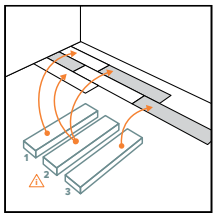
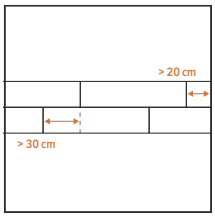
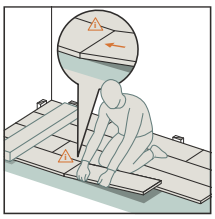
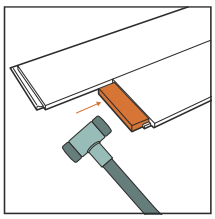
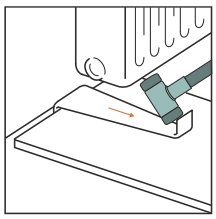
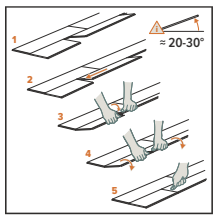
### HOW TO INSTALL?


1. Choose the floor direction.
2. Install your Pergo underlay in the same direction as the length of the panels. Add additional underlay rows as you proceed with the installation of the panels. Tape adjacent pieces of the underlay to maintain vapour barrier. You can find more information on how to install the Pergo underlay on the technical data sheet of the underlay or at your dealer.
3. Check how many full rows of panels you will need by dividing the width of the room by the width of a panel.
4. Mark reference points on the wall where you'll be laying your first full row (row #2). The width of the first and last row should be at least 5 cm.
5. Unpack your panels from multiple boxes and mix them up to avoid adjacent identical patterns and colours.
6. We recommend a random installation. For tile format, we advise to install these tiles - with or without - inner bevel with a shift of the panel to ½ or ¼.
7. The length of the first and last panel of a row should be more than 20 cm. Make sure to alternate your alignment so that end joints of panels in adjacent rows are never in line. There must be at least 30 cm between them.
8. Depending on the type of saw and blade, the top layer of the panel must be upwards or downwards to obtain a clean cut. (Test with a leftover piece to get the best cut finishing).
9. Click system:




METHOD A | METHOD B | PULLING IRON | METHOD C

Uniclic click system:

- Method A (angle-angle): Rotate the short side of the panel to be installed, into the short side of the already installed panel, by means of the angle principle. Then raise the newly installed panel to an angle of 20-30° by sliding the fingers of both hands under the raised length edge of the panel, close to the short end joint. Grip the panel and pull the panel towards you. The panels will now click together. You can either insert the tongue into the groove, or the groove into the tongue. The tongue into the groove method is the most common and easiest way.
  Tip: Lay some weight on top of the newly installed row to help prevent the entire row from unlocking while you continue installation.
- Method B: By using the Uniclic tapping block, you can gradually tap the panels into each other without lifting.
- In places where it is too difficult to install the Uniclic panels with the tapping block (e.g. last element in the row against the wall), you can tap them together using the pulling iron and a hammer.

Perfect Fold click system:

- You can use the Uniclic method as described above.
- Method C: The easiest way to connect Perfect Fold panels is by a fold down movement. 1. Lift the connecting panel up in an angle of 20-30 degrees. 2. Push it into the long side groove and slide it gently to the previous installed panel until the panel end meet (don't collide/overlap panels). 3. Lift the short connection of the already installed panel up with your hand under the panels, push the panel firmly downwards to the floor (still with your fingers underneath both panels), and the Perfect Fold will lock the joint perfectly in the end. 4. Push the connected panels to the ground. 5. Always control each joint before continuing.



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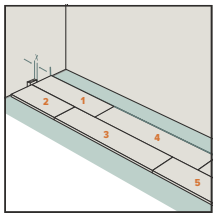
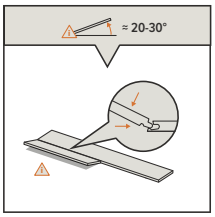
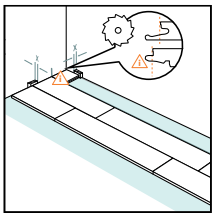
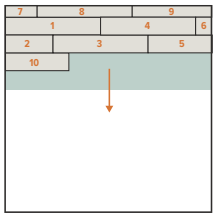
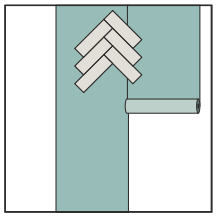
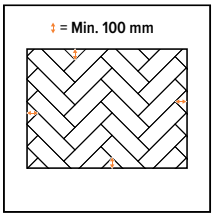
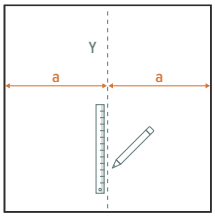



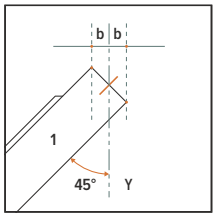



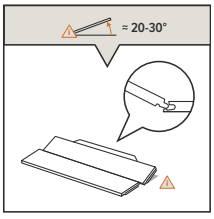
10. Install the first 2 rows (rows #2 and #3) away from the wall (as walls are hardly ever perfectly straight) and cut end pieces to required size.
    Align your rows to the reference points on the wall and the reference line on the underlay. Install panels one by one alternately in rows #2 and #3, so every panel has the short and long side locked before you install the next one (don't lock only the short side).
11. When installing your row (row #1) against the wall, always saw off your click profile and be sure that you will cut the panel in order to follow the shape of the wall. Put spacers between the panels and the wall to ensure the correct expansion gaps.
12. Complete the rest of the installation by using method A, B or C.

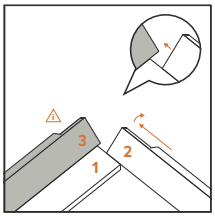
### EXTRA NOTIFICATION FOR HERRINGBONE

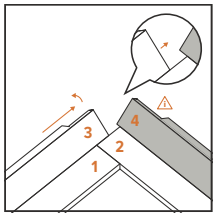



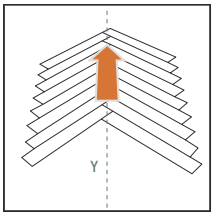


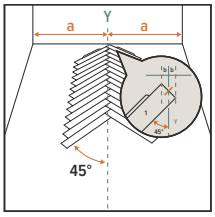


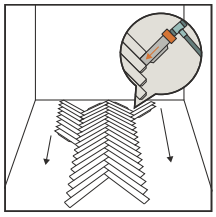
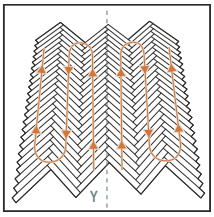


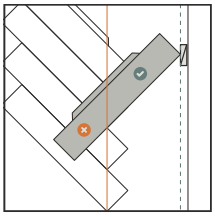
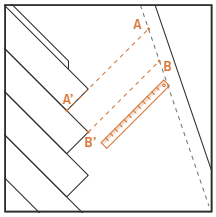


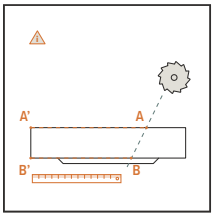






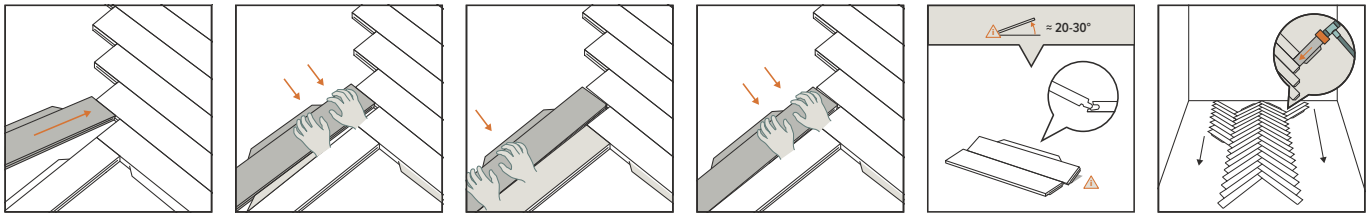






1. Choose the floor direction.
2. Install your Pergo underlay in the same direction as the length of the V-rows. Add additional underlay rows as you proceed with the installation of the panels. Tape adjacent pieces of the underlay to maintain the vapour barrier. You can find more information on how to install the Pergo underlay on the technical data sheet of the underlay or at your dealer.
3. We recommend ensuring that all pieces of the floor are always bigger than 100 mm. If it is not possible to assure this, you may use a D3 wood glue in the click connection to connect the smallest pieces to the installed wooden panels.
   Mark reference points on the wall and a reference line on the underlay to center your floor = start line.
4. Depending on the type of saw and blade, the top layer of the panel must be upwards or downwards to obtain a clean cut. (Test with a leftover piece to get the best cut finishing).

5. The first part of the installation consists of assembling the center rows. You can do this by assembling the first 3 panels, labeled as “1”, “2” and “3”. Panel “3” is used as a guide to align panels “1” and “2”. Always keep your long side tongue of the panels in the same direction.
   Connect panels “1” and “3” (at a slight angle of 20 to 30° insert the longside panel 3 into the longside panel1), the short edge of panel “3”must be 5 mm beyond the short edge of panel “1”. Now insert the longside of panel “2” in the shortside of panel “1”. Slide panel “2” until it is stopped by panel “3”. Now fold down panel 2.
6. Now install panel “4”, which is taking over the role of panel “3”. Uplift panel 3 at an angle of 20 to 30° and slide it upwards until it touches panel “4”. Follow this method until you finish the first, center V-row of your floor. Always work in the direction of the arrows of the pictograms.
7. Make sure that this V-row is aligned with the startline.
8. Unizip:




METHOD A METHOD B

- Method A (angle-angle) is the preferred way of installing: Install the short side of the panel to be installed, into the long side of the already installed panel in the previous row, by means of the angle principle (20-30°). Then grab the panel with your both hands close to the short joint and pull the panel to make the gap on whole long side as small as possible. Grab the free end of the panel and pull to lock the long joint at the free end. Finally grab the panel close to the short joint and pull the panel to lock the long side completely (don’t try to create an angle). When necessary, you can use a Pergo tapping block to close fine gaps.
- Method B (optional): Install the first panel of the new row. Install the long side of the new panel into the long side of the previous panel. While holding the new panel in an angle of 20 to 30°, slide this panel until its short end reaches the installed V row. Now you can drop down the panel, followed by gently tapping the panel on its short end until it locks into the installed V-row. Tapping must always be done with a hammer and a suitable tapping block in the direction of the central V-row.

9. You can continue to install the additional rows of full panels. To install the next row, we recommend using method A.
   For each row, always keep your long side tongue of the panels in the same direction. Always control each joint before continuing.
10. For the finishing / side / end cut panels:
    - When the wall is parallel to the V-row: rotate your panel by 180°. Place the corner against the wall minus the distance of the spacer. You now can draw the cutting line and cut off the surplus. Turn back the panel 180° and install it. Repeat this with each individual panel.
    - When your wall is not parallel to the V-row, measure the lengths A-A’ and B-B’. Transfer these measurements onto the panel you want to install.

### FINISHING

STANDARD:
- Attach the skirtings to the wall (never to the floor).
- Do not fill expansion gaps (except with Foamstrip covered with Pergo Aqua Sealant).

WET AREAS:
- Use the Foamstrip and the Pergo Aqua Sealant at the entire perimeter, profiles, pipe cover, ...
- For colour-matched Pergo parquet/standard skirtings and colour-matched Pergo scotia should be also use the Hydrostrip.

For more information about the finishing and the use of the accessories: check the technical data sheet of the accessories, click/scan the Finishing accessories QR-code.

### RE-USE / RECYCLING

CIRCULAR FLOORING

- Thanks to our click system your floor can be disassembled and reused elsewhere.
- Deliver installation waste or a disassembled floor to a recognized waste collection facility or recycling point as ‘nonhazardous treated wood’.
- For more information about our “RECOVER” program or packaging waste handling, click/scan the Circular flooring QR-code.
- The Pergo packaging is composed of multiple recyclable components. Please check your local or national regulations to optimize this waste sorting and handling.

Last but not least, enjoy your high-quality floor!