

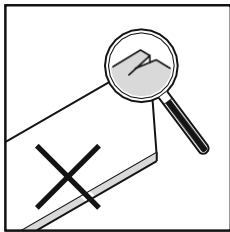
PERGO Wood Flooring installation instructions below refer to a floating installation and is applicable to both PERGO Gotland and PERGO Harstena engineered timber flooring. Please read thoroughly before commencing installation. Note that Harstena has an HDF core which allows for watertight joints suitable in wet areas including bathrooms, and Gotland has a traditional Hevea wood core making it suitable for 'splash areas' only. The use of the original PERGO accessories is strongly recommended to benefit from the full product warranty.

### IMPORTANT INFORMATION

It is important to employ safe working practices. Protective eyewear, hearing protection and safe footwear should be worn throughout the installation to help prevent against injury. Dust extraction and respiratory protection should be used when cutting flooring or trims using a saw of any type. Materials Safety Data Sheets are available by contacting your supplier or Floorscape Ltd. If using ancillary products like levelling compounds etc. it is recommended to adhere to the specific safety requirements as stated by the manufacturer of the product.

### PLEASE NOTE

Check every plank carefully before and during the installation, preferably in daylight. Bear in mind that wood is not a homogeneous material. Wood is a natural product, which means that no timber flooring plank will be identical to another, just like no tree is identical to another one. The occurrence, amount, and size of sap wood, knots, and cracks depends on the selected grading and chosen range. These are natural features of wood and cannot be considered as a product fault.



Therefore, you should always check if you have the right impression of the floor before installation and that you have all the information. Due to shrinkage of filler, it is considered normal installation process to make minor fill repairs with a wax repair kit during installation, if unsure contact your supplier. If a plank has been installed it will be considered as accepted and defects or colour variation cannot form any grounds for complaint. We recommend that the planks are mixed from several packs during installation. Boxes of PERGO Wood Flooring can include some shorter boards to make up the quoted plank length – these are referred to as a 'nested lengths'. These can be used at the start/end of a row, as well as under cabinetry if gluing down, or in cupboards, under stairs etc.

### IN GENERAL

PERGO Wood Flooring is designed to be a floating timber floor meaning that the edges of each board are joined to each other using the glueless Uniclic™ joining system and are not fixed to the sub-floor. For a glue down installation please refer to Direct Stick installation guidelines.

PERGO Wood Flooring floats over an approved 2mm foam underlay, such as CombiLay or Quiet-Step, and can be installed over any flat, dry, and stable surface - see details below on levelling guidelines. An expansion gap must be left to the entire perimeter of the floor to allow for initial and seasonal expansion. The boards are generally installed along the length of the room with the ends of boards laid with a natural random stagger. A successful installation will rely heavily on strict adherence to these instructions. The most common causes of floor failure or client dissatisfaction are:

1. Installation over uneven subfloors resulting in creaking, hollow sounds, or movement.
2. Installations that do not provide sufficient perimeter expansion or incorrect/lack of compartmentalisation.
3. Excessive sub-floor moisture - see below on testing/protection against moisture.
4. Installation of a board that has obvious visible manufactured fault/defect.

### TOOLS NEEDED

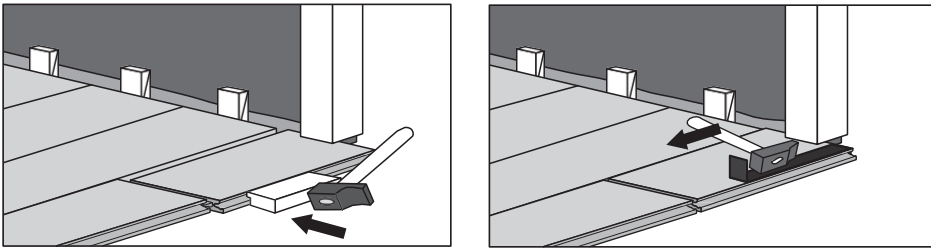
An installation Kit containing expansion wedges, a pulling iron, and a tapping block. You will also require a jigsaw, pencil, hammer, tape measure, sharp "Stanley" type knife and small hand tools associated with wood working. For a faster installation and cleaner finish, consider using a drop saw and a table saw with timber finishing blades. Along with your PERGO Wood Flooring you'll need Combi-lay or Quiet-Step underlay or equivalent approved underlay rated SD >75m, and enough trims to complete your floor. All PERGO Wood Flooring has perfect match incizo trims available which offer a 5-in-1 trim solution, or aluminium trims are available in a range of shapes, profiles, and colours from your local retailer.

### FLOATING INSTALLATION INSTRUCTIONS

The first thing that you need is to ensure that the subfloor or surface that the engineered wood floor is being installed over is level. Using a 1 or 2 metre straight edge, the subfloor level should not exceed +/- 3mm over 1 lineal metre in any direction. Remember, uneven floors may lead to movement and noise, so it is necessary to assess the levelness and get it right. Timber subfloors can be sanded level and, along with concrete or most existing floor coverings, can usually be levelled using a self-levelling compound, refer to manufacturer TDS. PERGO Wood Flooring cannot be installed over carpet or carpet underlay but can be installed over well bonded vinyl, cork, or ceramic tiles if sufficiently level. When installed over concrete, RH (relative humidity) should not exceed 80%. If the concrete subfloor has not been tested, PERGO Wood Flooring, must be installed over a continuous damp proof membrane. This continuous damp proof membrane can be provided by 200uM builders' plastic, overlapped 300mm at the joins and taped with a vapour tight tape, in addition to using Combi-lay underlay. Combi-lay underlays are manufactured with a plastic

damp proof membrane on one side and are conveniently fitted with a 100mm overlap and peel and stick tape. The peel and stick tape can be peeled away forming the continuous damp proof. Cut ends must be taped with a vapour tight tape.

In the instance of knowingly or logically wet subfloors, or heated subfloors, always use 200uM builders' plastic sheeting in conjunction with Combi-lay underlay or equivalent approved underlay rated SD >75m, overlapping joints by 300mm, taping joints with vapour tight tape and turning up at walls or vertical fixtures. Wooden subfloors exceeding 14% MC (moisture content) must have moisture issues resolved prior to installation. Installing a builder's plastic over a wooden subfloor is not recommended. Door frames and architraves should be undercut prior to commencing installation using a scrap of flooring and a long, flexible hand saw or multi-tool. Undercut saws may be available from your local retailer and are specifically designed for this purpose. Work out the trims to be installed as some trims are recommended to be installed prior to the flooring. This will be dependent on the direction of the trim to the flooring and the type of trim to be installed.

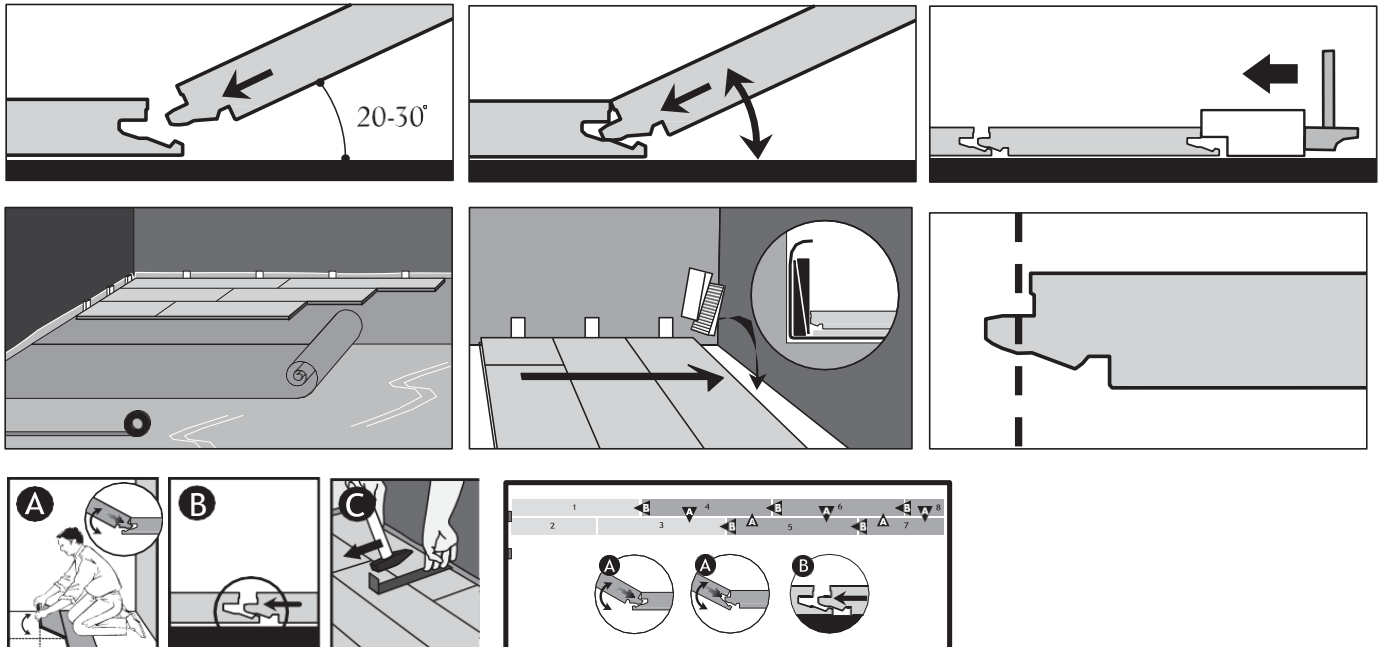


**INSTALLING THE FIRST THREE ROWS**

Select a starting wall that is long and visible, the first three rows will be installed parallel to this wall. Install the first row of plastic and/or underlay as required then install the first row, tongue (male) to the wall to assess the straightness of the starting wall. If the starting wall is undulating or uneven, square this row off to the other side of the room using a tape measure and scribe the first row of boards to cater for the undulations while accommodating a uniform 10-15mm expansion gap. On installations where the existing skirting won't provide enough coverage for the expansion gap, we recommend undercutting the plasterboard panel. If the installation is for a new build, the plasterboard will be offset 10mm from the subfloor in accordance with the NZ Building Code. It may be possible to ask the builder to offset the board higher to accommodate the flooring.

If scribing is not required, remove the tongue along these starting boards. In terms of the required expansion gap, a minimum of 10mm is required in lower relative humidity environments like Christchurch. A 15mm gap is required in areas of higher relative humidity like Northland or Waikato. Remember that PERGO Wood Flooring may expand up to 4mm per LM in the width, as such the wider the floor, and the higher the humidity, the larger the perimeter gap should be. The maximum run size for a PERGO floating floor installation is 20m (length) x 8m (width).

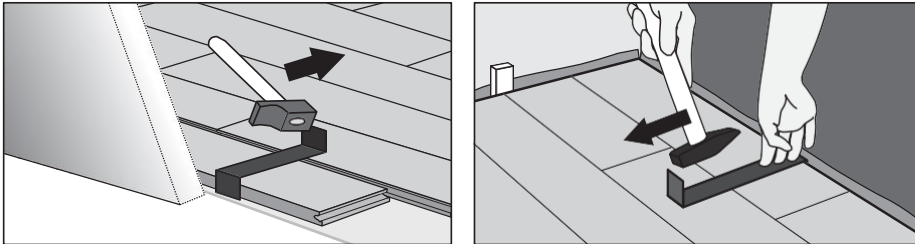
Now we will assemble the first 3 rows in a staggered formation. This will provide a foundation for additional rows. It can be assembled away from the wall, then slid into position with minimum 10mm spacers installed along the wall and at the ends. The offcut from the first 3 rows can now be used to start the 4th row, providing it is longer than 300mm. If not, a new board will need to



be cut to begin the 4th row. Now install the 1st board of the 4th row by rotating the long join into position and install the 10 -15mm spacer at the start of this row. Continue installing the floor left to right using the off cut from row 4 to begin row 5. (Note: Remember to ensure that you stagger end joins by greater than 300mm) Any small gaps in the first three rows can be filled using a caulking compound in an appropriate colour.

### THE BODY AND THE FINAL ROW

Continue installing the floor left to right. The final row will need to be trimmed to fit using a jigsaw or table saw and brought into place using the pulling iron. Remember to allow 10-15mm for your expansion gap at all walls and vertical surfaces. This gap will be covered last of all.



### FINISHING OFF

If skirting boards have been removed, or are yet to be fitted, they will usually cover the expansion gap well. If the skirting boards do not provide enough coverage of the expansion gap, consider undercutting the plasterboard to allow for additional expansion. Install any End, Connector or Adapter profiles that have not been fitted during the installation process. These trims must hold the floor in place and provide for full and free expansion of the flooring. They should be anchored with adhesive and mechanically fixed (however, do not fix the flooring in place by screwing through the wood). Any gaps between boards can also be filled at this time. Your engineered wood floor can now be cleaned and enjoyed.

### SEALING THE PERIMETER IN WET AREAS

PERGO Harstena carries a 15-year wet warranty (subject to T&C) and is suitable to be installed in kitchens, laundries, and bathrooms with the following requirements:

- It is not suitable in such areas where a floor waste is installed.
- The bathroom or laundry should be separated at the doorway with a profile.
- The perimeter gap must be treated using the Quick-Step Hydrokit. This incorporates soft foam rod and flexible clear silicone to ensure that the perimeter is sealed from moisture, and such cannot make its way under the floor. The door profile and architrave should also be sealed using the flexible clear silicone.

PERGO Gotland is suitable for kitchens, laundries, and powder rooms as these are considered 'splash areas'.

Correct sealing of the perimeter to ensure no ingress of water is achieved using a PE Foam Rod and Hydrokit flexible silicone sealant. Once all boards in the raft are clicked in place, remove the spacers and insert the 10mm foam rod in place all around the perimeter. Using a caulk gun, apply the Hydrokit on to the top of the foam rod and ensure the edge of the flooring is covered and the other side up against the wall, thereby creating a seal. Both the Hydrokit and the foam rod are designed to allow movement in the floor. When the skirting is placed around the perimeter, another bead of Hydrokit can be applied to ensure no moisture ingress under the skirting. Use a caulking tool to finish neatly.

Kitchens and other splash areas can be finished in the same manner but in dishwasher cavities and around kitchen islands it may not be possible to use the foam rod. Hydrokit alone may be used to seal out moisture.

### SPECIAL NOTES

- 10mm is the minimum perimeter expansion gap for all applications. Larger floors or floors that will be exposed to higher levels of relative humidity will need larger expansion gaps. Some multi-room or very large installations will need expansion or control joints installed throughout the floor. Multi-room installations should be separated at doorways using control joints. The maximum run size for a PERGO Wood floating floor installation is 20m (length) x 8m (width). Your retailer will be able to advise you in this regard.
- When installing PERGO Wood Flooring on stairs, glue both tread and riser using a recommended polyurethane or construction adhesive spread across the entire surface. No underlay should be used on a tread or riser. Special stair nosing trims are also available for this application.
- It is the installer's responsibility to check each board for faults or defects, in appropriate finished lighting conditions, prior to installation. Labour costs or any other costs associated with the replacement of boards after they have been installed will not be accepted by Floorscape or its agents.

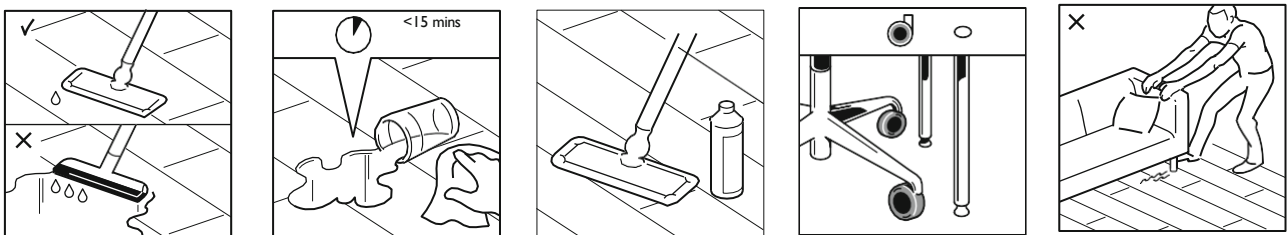
PERGO Wood Flooring is not designed to be exposed to extremes of humidity or temperature. It is important to note that floors exposed to such conditions may fail. Sensible protection of the flooring from such extremes, particularly in unoccupied homes, must be afforded. Measures can include curtains, awning, blinds, window tinting, and early commissioning and/or regular use of air conditioning or humidity control devices. Please be mindful that incorrect use of evaporative cooling may create an overly moist environment not suitable for the timber floor. Protection of the flooring from any radiant heat source should also be provided, e.g.: around combustion heaters and other heaters, as these generate extreme low humidity. PERGO Wood Flooring should not be installed until these measures are in place, and it is recommended not to be installed more than 2 weeks prior to occupation of the home. It is important to understand that any warranty, expressed or implied, may be voided if the floor is exposed to extreme conditions.

- All wood species can change colour over time in a process called oxidisation, wood exposed to UV light will oxidise quicker so care should be taken when placing rugs, furniture, and other floor coverings.
- It is the homeowner's responsibility to provide a moderate indoor environment in order to prevent cracking and distortion of the flooring, even when unoccupied.

**MAINTENANCE**

Like all timber floors, PERGO Wood Flooring will mark and scratch. However, it can be re-coated or re-sanded as required, just like traditional wood flooring. To maintain your floor:

- Sweep or vacuum (bristles down) your floor regularly to remove stones and abrasive grit or dirt.
- Install dirt trapping mats at external entrances.
- Apply felt floor protectors to the underside of all moving furniture to reduce marking or scratching.
- Use of steam mops is not permitted. Use of wet vac devices is allowed following correct use per manufacturer's instructions. (We only recommend Quick-Step or PERGO cleaner for PERGO Wood floors.)
- Damp clean using a microfibre mop. For best results, add recommended floor cleaner at the prescribed dilution to your water and towel off any excess moisture immediately after damp mopping.
- Never use supermarket type cleaners or anything that may add shine or polish to your floor as this will cause a discolouration and build-up. Fabric softener used when washing the mop head may also cause a build-up.
- Protect your wood floor from moisture and spills. Clean up any spills immediately.
- Castor chairs must use only "soft wheels" (type W), and a plastic protector mat should be placed under the area where the chair is placed/used.



**WARRANTY**

Please refer to the product warranty for full terms and conditions. Use of third-party products which have not been tested by the manufacturer to comply with their standards, may void the warranty.

**DIRECT STICK / GLUE-DOWN INSTALLATION**

Direct stick installation is possible with both PERGO Harstena and PERGO Gotland Wood Flooring and may be the recommended method of installation over certain types of underfloor heating systems. Compartmentalisation is generally not required when this method is used, however construction dilation joints must allow for expansion and movement in the subfloor. Flooring may be installed closer to the perimeter as there will be less movement with a glue down installation. Allow 8-10mm gap. Waterproofing of the perimeter in wet areas is still a requirement in direct stick installations. There is no need to glue or seal the joins as the Uniclic™ joining system prevents moisture ingress due to splashes.

More information and E3-AS1 documentation are available from your retailer or in the resources section at [www.floorscape.co.nz](http://www.floorscape.co.nz)

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