

# Laying instructions for HARO laminate flooring with Lock Connect plus

Please read carefully from beginning to end before installing the floor!!

Please always comply with the laying instructions that are enclosed with the cartons. These instructions are binding!



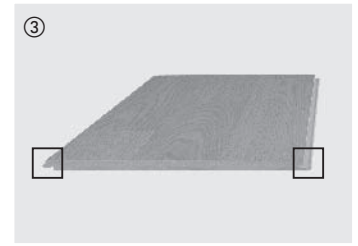
Laying tools: LC plus tapping block, distance spacers, profi pull tool, hammer, pencil, saw.



Always use 0.2 mm thick PE film overlapped by 30 cm as an underlay when laying your floor over all types of floor screed. The overlap seams must overlap by 30 cm. Extend underlay up all walls. After having installed the skirtings cut underlay at the upper edge of the skirtings.



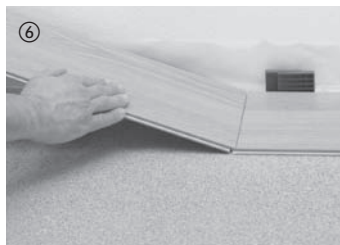
For sound insulation and to smooth out slight irregularities of the subfloor, unroll 2 mm thick cork underlay. Do not overlap. Our range of accessories also offers alternative insulation underlays. Asphalt-bitumen felt is not suitable for sound insulation. **Do not use any additional insulation underlay when laying HARO laminate floor with Silent Pro®.**



Tongue side / Groove side



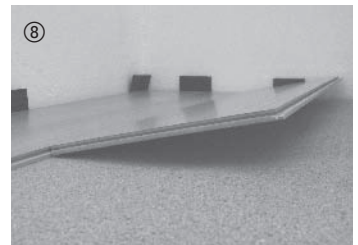
Starting in the right-hand corner of the room, align the boards of the first row with the tongue side parallel to the wall, and fix them in place with wall spacers as you proceed (always keep an expansion gap of 10–15 mm around perimeter).



Install the boards of the first row. First, the board is angled into the previous row at the short side by applying a small amount of force.

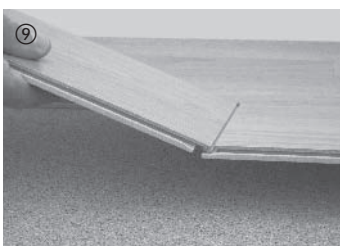


Cut the last board of the first row to size, leaving an expansion gap of 10–15 mm between the board and wall. Insert the board at a slight angle and rotate it down. Start the second row with the leftover piece of the first row (offset the end joints of adjoining rows by at least 40 cm). This considerably reduces waste.

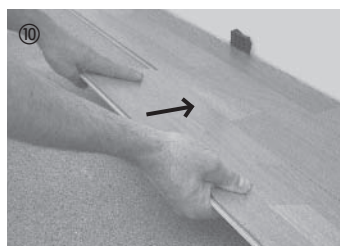


## **Laying variant 1: short side angle engaged**

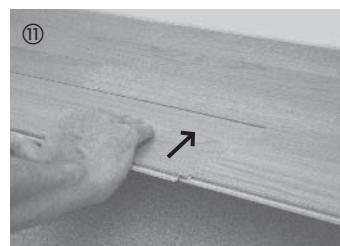
Angle the first board of the second row into the first row, but leave it tilted. Do not push the board all the way down.



Insert the end of the next board of this row into the mating end of the board you just installed.



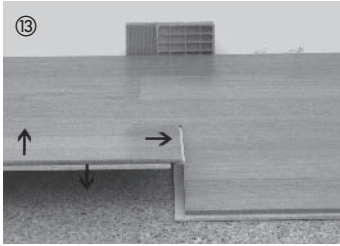
Angle the long side of the board into the previous row by applying a small amount of force in the area on the left.



Then interlock the board also on the right by applying a small amount of force with the heel of your hand. Be careful not to lower the free long side of the board, but keep it tilted.

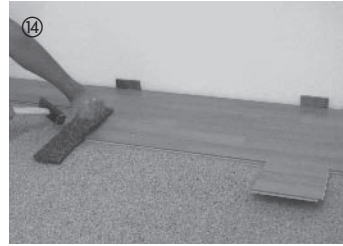


When you have interlocked the whole row on the long side and the short sides, you can lower it. Work from left to right.



**Laying variant 2: click short sides together**

First the board is introduced on the long side into the joint and pushed flush with the board edge lying before it. You can now push this board all the way down.



The board can now be clicked in horizontally using hammer and tapping block. An easy trick to ensure a smooth interlocking of the boards at the short sides is to temporarily angle a leftover board piece into the two boards you want to click together.



If radiator pipes protrude from the floor, drill or saw a cutout into the board (the size of the cutout depends on the radiator pipe and the required expansion space).



In doorways, mount a suitable moulding system to ensure the necessary expansion space. This also applies if the same floor is to be laid in the adjoining room. In this case, a transition moulding should be used for covering the required expansion gap.



Leave an expansion space of approx. 5 mm between the board and the base of the moulding. As a rule, a fine saw must be used to cut a gap the thickness of a board in wooden door frames to allow the laminate floor to expand.



Cut to size and fit in the boards of the last row. Leave a gap of 10 to 15 mm between the boards and wall. Be sure to remove all distance spacers once all boards are laid. Fasten skirtings (with or without clip system) to the walls – that's it.

Further information on installation is available at: [www.haro.com/lockconnect](http://www.haro.com/lockconnect)

# General information

Please read carefully from beginning to end before installing the floor!!

## Measures to take before installation

Do not open the cartons prior to installation. Store and acclimatise the unopened cartons inside. New constructions to be closed in with air conditioning or heating units during the winter months. Recommended room conditions for installation are 18 °C (65 °F).

**Important: Prior to installation, inspect the boards in daylight for any visible faults or damage and also check colour and texture. No claims are accepted once flooring boards have been installed. Elastic and textile floor coverings must be removed completely before installation.**

## Installation direction

The direction of laying normally depends on the main source of light fall in the room, e.g. French windows. The boards should run parallel with the entering light for best appearance. However, the proportions of the room can also be emphasised by skilled selection of the direction in which your parquet is laid. Light-coloured wood makes small rooms appear larger. With floating installation in large areas over 10 m (33 ft.) in length or width, an expansion joint must be allowed for. Apply an expansion moulding or cover strip over said expansion joint.

- Ensure that the boards are always laid lengthways in narrow hallways.
- When installing T, L or U-shaped areas, separate the flooring areas according to the room layout by using a suitable profile system.

## Moisture check

The subfloor must be checked for moisture by using e.g. a CM measuring instrument.

## Moisture content limit

Cement screed max. 2.0 % CM, with underfloor heating 1.8 % CM; anhydrite screed max. 0.5 % CM, with underfloor heating 0.3 % CM. When laying parquet flooring over newly installed concrete screed or cast plaster subfloors – after a curing time of at least 6 to 8 weeks – or over underfloor heating, always use 0.2 mm (8 mils) PE film as an underlayment for additional moisture protection. Overlap seams with 30 cm (12 ") and tape. When laying your floor in rooms on or below grade, it is necessary that a state-of-the-art or DIN-compliant moisture barrier be installed.

## Installation over underfloor heating

When installing your floor over underfloor heating, the screed must be laid in accordance with the German DIN 1853 standard. Before you start laying your parquet floor, please verify that the underfloor heating system has been installed in compliance with DIN EN 1264 and DIN 4725 and that the proper preparatory heat-up phase has been completed. Detailed instructions on the installation over underfloor heating can be obtained from your HARO dealer.

## Care

Detailed instructions on care can be found in the Floor Care Guide.

**First care:** Immediately after laying your new floor, you should carry out the first treatment with HARO Secura-A. HARO Secura-A significantly reduces the absorption of water during damp mopping and protects the seams and surface against penetrating moisture. To ensure a long lifetime of your floor, we recommend routine treatment with HARO Secura-A once a year for intensive care.

**Dry cleaning:** It is generally sufficient to clean HARO laminate floor with a mop, soft broom or vacuum cleaner. Heel streaks or grease stains can be removed with HARO Stain Remover or acetone.

**Damp cleaning:** We recommend damp mopping your flooring surface regularly with HARO Laminate floor cleaner. The frequency hereby depends on the wear and tear your floor is subjected to. Add approx 150–200 ml (approx. 3/4 cup) of the floor cleaner to 8–10 litres of water (1 bucket). Then wipe the surface damp with a well wrung out cloth. By buffing the treated surface dry with a HARO Polishing Cloth you give your laminate floor surface an even shine.

**Please note: Do not use soap-based detergents, abrasive cleaners, scouring powder, steel wool, wax or polish for cleaning and maintenance. Always avoid letting water stand on the laminate floor surface. Steam cleaning machines are not suitable for cleaning laminate flooring.**

## Indoor climate conditions

What is good for people is also good for the high-grade woods of your HARO floor. At a room temperature of 20° C (68 °F), a relative humidity of about 50–60 % is felt to be pleasant. In order to keep the air humidity constant, especially during hot periods, we recommend you use a humidifier. This will prevent any extreme drying out of the floor. Air humidifiers should be used right from the beginning of the heating season. If air humidity falls below normal values, small gaps may appear, which generally close again after the heating period.

## Additional preventive protection

To preserve the quality and beauty of your floor we recommend using protective pads under chairs and furniture legs. Chair castors and office roller chairs must comply with German Standard DIN 68131. Use only lined rollers of type W (soft). It is also a good idea to use polycarbonate mats as underlay for armchairs and office chairs.

05/08 Subject to modification in the interest of technical development.