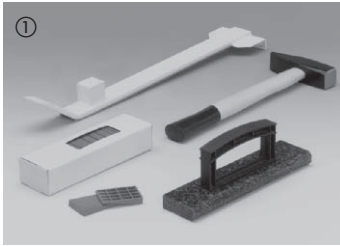


# Laying instructions for parquet flooring with click system

**Attention: Read thoroughly from beginning to end before installation!**

**Please follow the laying instructions that are enclosed in the cartons. The enclosed instructions are obligatory.**



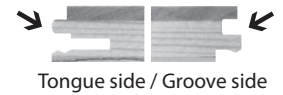
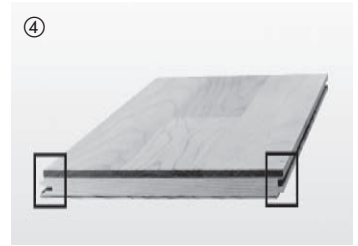
Laying tools: Tapping block, distance spacers, pull tool, hammer (min. 800 g), pencil; for sawing, a simple hand saw will do.



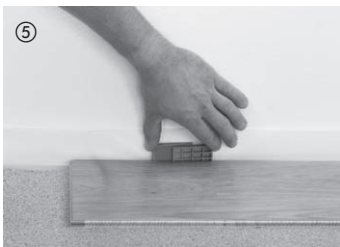
Always use 0,2 mm thick PE film overlapped by 30 cm as an underlayment when laying your HARO floor over concrete screed or cast plaster subfloors or over underfloor heating. Extend underlay up all walls. After having installed the skirtings cut underlay at the upper edge of the skirtings.



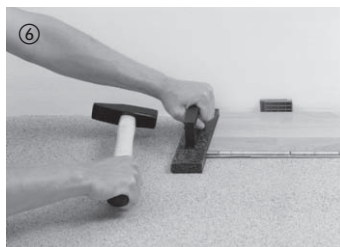
For sound insulation and to smooth out slight irregularities of the subfloor, unroll 2 mm thick cork underlay. Do not overlap. Our range of accessories also offers alternative insulation underlays. Asphalt-bitumen felt is not suitable for sound insulation. **Do not use any additional insulation underlay when laying your parquet with integrated sound insulation. These floors are not suitable for glue-down installation.**



Tongue side / Groove side



Start installation in the right-hand corner of the room and fix the first flooring board in place with distance spacers (keep expansion gap of 10 – 15 mm (3/8" – 1/2") around perimeter). Always align the boards with the groove side parallel to the wall. The arrow on the back of the board shows the laying direction and points to the wall.



Join the boards of the first row at the short sides using hammer and tapping block.



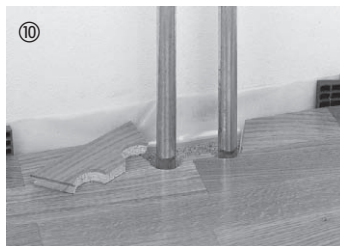
Measure the last board of the first row and keep in mind to leave a gap of 10 to 15 mm between the board and the wall. Cut the board to size and fit it in with the pull tool. Start the second row with the leftover piece of the first row (which considerably reduces waste).



Join the subsequent boards together row by row, working from right to left. Always offset the end joints of adjoining rows by at least 50 cm. Join each board onto the board to its right at the short side first, using hammer and tapping block or, in hard-to-reach areas, the pull tool.



Then snap the boards together at the long sides using hammer and tapping block. When disassembling and reinstalling your floor, please follow the special disassembly instructions, which can be obtained from your dealer.



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 parquet 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.

# General information

**Attention: Read thoroughly from beginning to end before installation!**

## Measures to take before installation

Do not open the cartons prior to installation. Store and climatise 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.**

## 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.

For installation in rooms with heavy traffic and loads we recommend an additional gluing of the flooring boards. Apply glue along the entire length of the top side of the groove. The special HARO glue nozzle makes the glue application considerably easier. In commercial/ public areas, we recommend glue-down installation. Please ask your HARO dealer for our special laying instructions for glue-down installation. Parquet with integrated insulation layer is not suitable for glue-down installation.

## 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; anhydride 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 installation over underfloor heating can be obtained from your dealer.

## Care:

Detailed instructions on care can be found in the HARO Floor Care Guide which you can obtain from your dealer.

*Varnished parquet:*

**First care:** Immediately after laying your new floor, you carry out the first treatment with Secura-A. 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 Secura-A once a year for intensive care.

**Dry cleaning:** It is generally sufficient to clean the parquet dry using a mop, soft broom or vacuum cleaner. For especially effective dry cleaning we recommend our special Easy Clean cleaning cloth.

**Damp cleaning/Care:** We recommend damp mopping your floor surface regularly with Polish diluted in water. Cleaning frequency depends here on the wear and tear your floor is subjected to.

**Intensive cleaning:** To remove major soiling and ingrained dirt, you can use Basic Cleaner for regular intensive cleaning. Treat the floor with polish after each basic cleaning.

*Parquet with oiled/waxed surface:*

**First care:** First treatment immediately after laying your floor is not necessary. We recommend, however, to treat your floor with special care during the first week after installation. If heavy traffic and loads on your floor cannot be avoided, it is a good idea to temporarily cover the floor with cardboard or corrugated cardboard. Please only cover the floor for as long as absolutely necessary.

**Dry cleaning:** It is generally sufficient to clean your parquet with oiled/waxed surface dry using a mop, soft broom or vacuum cleaner.

**Damp cleaning:** We recommend damp mopping your surface regularly with Topfit diluted in water. Cleaning frequency depends here on the wear and tear your floor is subjected to.

**Care:** For routine care of your parquet with oiled/waxed finish, you should use Superwax. Again, the frequency depends on the wear and tear your floor is exposed to. Superwax is a floor-care product based on natural oils. Regular care with Superwax restores the protective coat on the floor surface and assures superior longevity.

**Intensive care:** For intensive care we recommend treating your floor with Oil Balm. Intensive care with Oil Balm is important whenever your floor shows visible blemishes due to heavy wear and tear.

**Renovation:** Parquet with oiled/waxed surface can be easily repaired in sections. Scratches, small burn marks and even paint stains can be remedied with Oil Balm.

**Please note: Always wring out the cloth or mop very well before wiping the floor. Do not wet mop the parquet surface and never leave puddles or standing water! Steam cleaning machines are not suitable for cleaning parquet.**

## Room climate

What is good for people is also good for the high-grade woods of parquet. 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. It is advisable to use an electric humidifier right from the beginning of the heating period. 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 parquet 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.

11/04 Subject to modification in the interest of technical development.