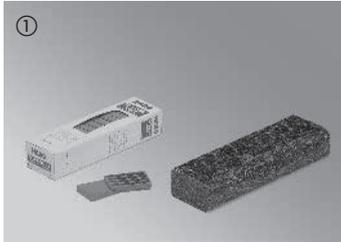


# Laying instructions for parkettmanufaktur parquet with Top Connect

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

**Please always comply with the installation instructions that are enclosed with the cartons. The accompanying instructions are binding!**



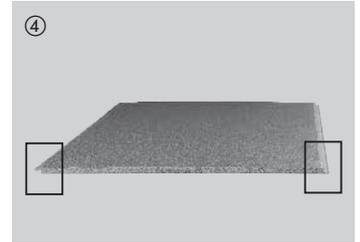
① Installation tools: Tapping block, distance spacers, pencil, saw.



② Always use 0.2 mm thick PE film overlapped by 30 cm as an underlay when laying your floor over floor screed. This should overlap in the 30 cm impact area. Extend underlay up all walls. After having installed the skirtings cut underlay at the upper edge of the skirtings.



③ For sound insulation and to smooth out slight irregularities of the subfloor, unroll 2 mm thick luxury insulation layer. Our range of accessories also offers suitable insulation underlays. Asphalt-bitumen felt and carpeting is not suitable for sound insulation. **Parquet with integrated insulation layer is not suitable for glue-down installation.**



Long side moulding  
Tongue side / Groove side



⑤ 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 or plastic spacers as you proceed (always keep an expansion gap of 10 - 15 mm (3/8" - 1/2") around perimeter).



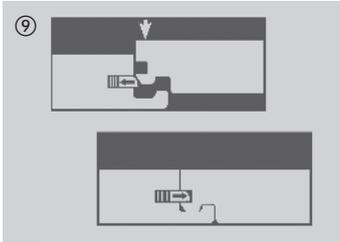
⑥ The remaining boards of the first row must be clicked in from above at the head ends into the previous boards. Pressure applied briefly to the side joint clicks in the board into the adjacent board. It is important to ensure that the first row is straight and exactly parallel to the wall. Cut the last board of the first row to size, leaving an expansion gap of 1015 mm (3/8" - 1/2") between the board and wall. Fit in the board and lay it flat.



⑦ The next row is started with the leftover piece of the first row (short side offset of at least 50 cm). This considerably reduces waste. The rest of the installation is performed board-by-board. First, the boards are angled into the previous row along the long side by applying a small amount of force. Tap edge gently with tapping block, if necessary.



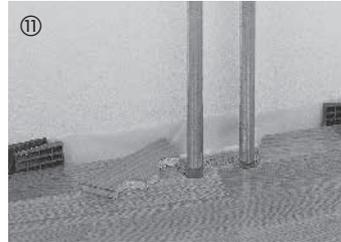
⑧ The board is then lowered in on the short side. Ensure here that the board is flush at the short side with the previously laid board. Pressure applied briefly to the side joint clicks in the board.



Short side profile  
Interlocking



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.



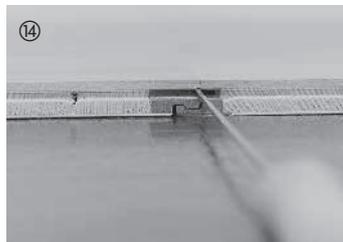
If radiator pipes protrude from the floor, drill and saw a cutout into the board (the size of the cutout depends on the radiator pipe and the required expansion space).



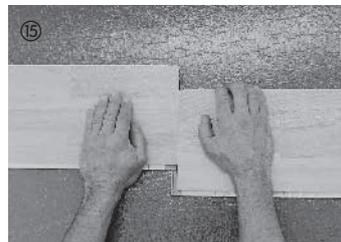
In doorways, mount a suitable moulding system to ensure the necessary expansion space. This also applies if the same floor is to be laid in the adjoining room. In this case, a transition moulding should be used for covering the required expansion gap. Leave an expansion space of approx. 5 mm between 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.



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.



Tips for the unlocking of Top Connect: Remove the boards with the unlocking help system. The unlocking help system must be inserted from the long side of the groove into the groove of the short side.



If the dismantle tool is not available, the boards can be pushed apart in a parallel direction.

# 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. To achieve a regular distribution of the grade in the installed floor, we recommend installing from different packs at the same time. No claims are accepted once flooring boards have been installed. Elastic and textile floor coverings must be completely removed leaving no remains.**

## Direction of installation:

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.

In commercial/ public areas, we recommend glue-down installation. Please ask your dealer for our special laying instructions for glue-down installation. Parquet with integrated insulation layer is not suitable for glue-down installation.

**Preparing the subfloor:** The subfloor must be level, dry and solid; the respective DINs must be compiled with. Cement screed, mastic asphalt, V100 particle boards, old floor coverings, such as ceramic or low-pile glued down carpets, for example, are suitable.

## Moisture check:

The subfloor must be checked in a workmanlike manner by using a suitable measuring instrument (CM meter) in order to verify compliance with the required limit moisture content for laying the floor covering.

Limit moisture content without underfloor heating: Cement or poured cement floors ≤ 2.0 CM (weight)%; anhydrite or anhydrite cast floors ≤ 0.5 CM (weight)%

Limit moisture content with underfloor heating: Cement or poured cement floors ≤ 1.8 CM (weight)%; anhydrite or anhydrite cast floors ≤ 0.3 CM (weight)%

Please observe the preparatory measures which you find on our web site and in the "Installation over Underfloor Heating" section of these Laying Instructions. Prior to installation, a signed Record of Preparatory Subfloor Heat-Up Phase must be submitted by the client.

## 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 the installation, please verify that the underfloor heating system has been installed in compliance with DIN EN 1264 Part 1-4 and that the proper preparatory heat-up phase has been completed once the professional installers have been coordinated. Detailed instructions on installation over underfloor heating can be obtained from your dealer.

## Care:

For detailed instructions on initial treatment and general maintenance, please refer to the Floor Care Guide for parquet with oleovera natural oil finish, which you can obtain from your dealer. In the case of commercial and public application areas, please ask your dealer for the special care instructions.

## Initial treatment:

**oleovera** is a natural finish whose oil is given time to dry in air. The drying process is not accelerated by UV light. This natural form of surface finish with oil always **requires initial treatment of the surface immediately after installation.**

## Initial Treatment with Natural Floor Oil:

Natural Floor Oil penetrates deeply into the wood and gives the floor a rustic appearance. The pores of the wood surface remain open, while the surface is resistant to the usual wear and tear. When applying Natural Floor Oil, please follow the instructions given on the label. The drying time is approx. 12 hours. We recommend that you subject the floor only to light duty during the first days after installation. The floor should not be soaped during the first two weeks after initial treatment.

## Regular cleaning:

### Dry cleaning:

It is usually sufficient to clean your parquet dry using a dust mop, soft broom or vacuum cleaner. Damp mopping can always be carried out as required.

### Damp cleaning/Care:

Use natural floor soap for optimum cleaning and maintenance of your parquet floor. Always avoid letting water stand on the surface. Steam cleaning machines are not suitable for cleaning hardwood floors.

### Damp wiping with natural floor soap:

Natural floor soap is used for regular maintenance of the floor. This diluted soap solution does not form a coat on the floor surface. It achieves excellent cleaning results with a regreasing effect that preserves the natural beauty of the floor. The floor should not be soaped during the first two weeks after initial treatment. Damp mopping can then be done regularly, as required. It is perfectly suited for all wood species available from parkettmanufaktur. Depending on how dirty the floor is, please add 2 to 4 tablespoons of natural floor soap to 5 litres of water and wipe the floor with a well-wrung cloth or mop.

## Intensive care:

If your parquet floor shows visible signs of wear and tear, it should be treated with natural floor intensive cleaner. Then reapply natural floor oil (as described above under "Initial treatment"). Partial treatment is also possible without leaving marks around the treated sections.

## Climatic conditions:

In order to maintain the quality and beauty of your parquet floor, but also for your own personal well being, an indoor climate of approx. 30% – 60% relative air humidity is ideal with a room temperature of approx. 20°C. To keep the air humidity constant, especially during the heating season, we recommend using an electrical air humidifier to prevent extreme drying out of the floor. Air humidifiers should be switched on right from the beginning of the heating season. If the recommended air humidity level is fallen below, minor gaps may develop in the joints between the flooring boards, which usually close again after the heating season.

## How you can additionally protect your parquet floor:

To preserve the quality and beauty of your floor we recommend using Teflon furniture glides (PTFE) under chairs and furniture legs and doormats in entrances. The castors of armchairs and office 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.

# Laying Instructions for full spread glue-down installation



## Suitable subfloors:

- Cement–(CT) or poured cement floors (CFT)
- Anhydrite–(CA) or anhydrite cast floors (CFA)
- Mastic asphalt floors (AS)
- V 100 (E1)–particle board

## Adhesive type according to TRGS 610: HARO Flexible Glue

Note:

The TRGS 610 Technical Rules for Hazardous Substances stipulate the use of solvent-free adhesives whenever the product and the installation conditions on site permit their use.

## Subfloor testing and preparation:

The subfloor must be tested before laying according to the German standards VOB, Part C, DIN 18365 "Flooring Works" and DIN 18356 "Parquet Works." The subfloor must be dry, absorbent, clean and even, compression- and tension-proof, and free of cracks. Make sure the subfloor has been cleaned thoroughly from oil, grease, wax, paint, plaster, dust and other deleterious substances that may prevent or reduce adhesion.

Newly laid cement, anhydrite and mastic asphalt subfloors usually do not require additional subfloor preparation.

Difficult subfloors, such as old mastic asphalt floors, very absorbent or sandy cement floors, ceramic floors, etc., require special subfloor preparation to ensure a proper substrate for laying. In this case, prepare the subfloor with appropriate filler or compound according to manufacturer's specifications.

Anhydrite cast floors must be sanded or brushed and then vacuumed before installing the floor covering.

With mastic asphalt floors, it is essential to remove excess or loose siliceous sand with a disk sander and vacuum with an industrial vacuum cleaner.

### 1. Moisture check:

The subfloor must be checked in a workmanlike manner by using a suitable measuring instrument (CM meter) in order to verify compliance with the required limit moisture content for laying the floor covering.

Limit moisture content without underfloor heating: Cement or poured cement floors  $\leq 2.0$  CM (weight%); anhydrite or anhydrite cast floors  $\leq 0.5$  CM (weight%)

Limit moisture content with underfloor heating: Cement or poured cement floors  $\leq 1.8$  CM (weight%); anhydrite or anhydrite cast floors  $\leq 0.3$  CM (weight%)

Please observe the preparatory measures which you find on our web site and in the "Installation over Underfloor Heating" section of these Laying Instructions. Prior to installation, a signed Record of Preparatory Subfloor Heat-Up Phase must be submitted by the client.

### 2. Testing for evenness: (DIN 18202):

If necessary, level the subfloor with appropriate filler or compound according to manufacturer's specifications. Levelling the subfloor requires the use of special primers. Do not remove subfloor edge insulation until levelling and priming has been completed.

### 3. Surface strength:

The surface strength of the subfloor is tested with the scratch test and the hammer impact test (low-strain method).

### 4. Daily joints in the subfloor (pseudo-joints or predetermined breaking points):

These joints must be locked in a workmanlike manner prior to installing the floor covering. DO NOT close any expansion joints.

## Adhere the lettering

Do not glue down if floor temperature is below 17° C. Avoid air humidity levels above 70 % in the room (such as in new constructions). If necessary, heat the room and ventilate it thoroughly.

Adhesive storage:

Store in a cool, dry place; shelf life 6 months when stored in unopened original container. After opening, cover the adhesive in the container with plastic film and desiccant bag.

Coverage:

- Approx. 1,000 to 1,200 g/m<sup>2</sup> of HARO Flexible Glue depending on the absorbing power of the subfloor.
- Hamberger Special Spreader L

Also follow the instructions of the adhesive manufacturer.

## General notes on glue-down installation:

- This high-grade engineered product should not be stored in new constructions due to building-related residual moisture and increased air humidity levels.
- Do not open the cartons prior to installation; wrap any remaining boards in plastic foil when installation will be interrupted for a longer period.
- Apply the adhesive with the Hamberger Special Spreader L (at first only apply the amount of adhesive needed to install one row). The open time of the adhesive is about 60 minutes at 20° C.
- Align the boards of the first row with the tongue side parallel to the wall and fix them in place with spacers. Snap a chalk line when you need to cover long distances. This ensures that the boards are exactly parallel to the wall. Press the boards firmly into the wet adhesive to achieve good transfer.
- You can start the second row with the leftover piece from the first row, provided that you offset the end joints of adjoining rows by at least 50 cm.
- At transitions to other floor coverings or door frames as well as to ceramic borders around fireplaces, you can insert special transition mouldings into the adhesive bed. Leave an expansion gap of at least 5 mm in the transition moulding.
- Wait about 12 hours after installation before subjecting the installed parquet floor to traffic and load.

## Recommendation:

We recommend a floating installation for renovation or remodelling and if the subfloor is unsound or consists of old PVC flooring or glued down felt carpeting. If in any doubt, do not hesitate to ask our technical service department.

The information given here is based on experience and serves to advise the person doing the laying. This information can only be of a general nature. No liability is accepted for the success of the work since we have no influence on the actual execution of work, and do not know the specific laying conditions. Make a gluing test before installing the floor or, if you are uncertain, ask a professional installer to lay your floor.

03/17

Subject to modification in the interest of technical development.