



## Parquet installation instructions

Wood4U parquet is installed on the floor with glue. Gluing reduces parquet movement and ensures stability.

It is recommended to use the services of a professional installer when installing parquet.

The installation instructions outline the requirements for parquet installation, compliance with which is part of the warranty conditions and also ensures a long-lasting floor.

### 1. PREPARATION

Wood parquet is a hygroscopic, or so-called "living" material that reacts to ambient moisture.

**X** Store the parquet in closed packages in the same room for at least 48 hours before installation. It should be stored with air gaps and not against a concrete floor. If the packaging is damaged, cover the area with tape or film to prevent moisture damage to the material.

**X** Do not open the parquet packages until you are ready to install. Open the package immediately before installation. The parquet moisture must be an average of 7% (+/- 2% is allowed).

**X** Before installation, during installation and for 24 hours after installation, the temperature of the subfloor, the floor material and the room must be between 18-24°C.

**X** The relative humidity (RH) must be between 40% and 60%

**X** The subfloor must be flat, dry and suitable for the load.

**X** The deviation of the subfloor from the plane can be a maximum of 3mm per 2m. If the unevenness exceeds 3mm per 2m or 1.2mm per 0.25m, the floor must first be leveled. The unevenness can be a maximum of 2mm per 1m

**X** NB! Special attention should be paid to the indoor climate in new buildings, where the rooms should be ventilated and heated timely before installation to achieve the right indoor climate.

### 2. SUBFLOORS

Parquet can be glued to concrete, chipboard, OSB, plywood or existing wooden floors.

**X** Concrete: the subfloor must be:

Strong - the adhesion strength of the concrete substrate and the screed must be at least 1.5 N/mm<sup>2</sup>.

The subfloor must be free of cracks.

Clean - Loose dust and stains must be removed from the floor.

Dry - concrete moisture for floors without underfloor heating max. 2% CM and for underfloor heating (see sub-section: underfloor heating) max. 1.8% CM (corresponds to 75%RH). Underfloor heating. When



installing parquet on concrete, the movement of moisture into the concrete through adjacent structures (for example, from the foundation) must be prevented.

NB! Before installation, check the subfloor moisture, room humidity and temperature and measure them and keep this data until the end of the warranty period.

**X** Plywood or OSB: A suitable subfloor made of board material is flat and stable. The wood board must be suitable for the structure (e.g. at least 9 mm plywood). When installing the boards, 3 mm expansion joints are left between the boards and care is taken that the joints do not overlap with the joints of the parquet being installed. The boards must be glued and nailed or screwed to the concrete base. The distance between the screws may be a maximum of 300 mm in each direction. The nail and screw heads must be recessed into the board.

The boards must not come loose from the base at any point. If the boards are installed on an old subfloor, the joints of the boards and floorboards must not be parallel. The boards must be installed so that the joints of the parquet strips and boards are not parallel. Any unevenness in the board covering must be sanded down before the parquet is installed.

The moisture content of the wooden boards and the old plank floor must be below 9%.

### 3. PARQUET CHECK

**X** Before installation, check the parquet boards in sufficient light for visible defects.

Check the color and structure of the parquet. It is advisable to sort the parquet before installation so that the differences in tone are smooth across the floor. Certain characteristics, such as knots, the natural wood grain pattern and color differences are not defects.

**X** The installer must, in accordance with the principle of reasonableness, use defective material during installation if possible. For example, place the parquet with a damaged edge next to the wall and the board with a surface defect at the end or beginning of the row by cutting out the defective area.

**X** Once the parquet board has been installed, it is assumed that the installer and/or the owner have approved it.

**X** NB! Complaints will not be accepted for a floor that has already been installed.

### 4. UNDERFLOOR HEATING

Consult the seller whether the material is suitable for installation on an underfloor heating system. The floor heating must be designed so that it provides a uniform temperature throughout the floor and the temperature of the wooden floor never exceeds +27 °C. (If necessary, adjust the heating water temperature to half). In the case of a new concrete floor, the floor heating must be turned on and the floor must be heated at least 3 weeks before the parquet installation begins. Proceed as follows:

- Day 1: heating at water temperature +20°C



- Day 2: heating at water temperature +30°C
- Day 3: heating at water temperature +40°C
- Day 4: heating at water temperature +50° (highest temperature allowed by the system)
- Day 5–15: heating at the highest temperature allowed, 24 hours a day
- Day 16: reducing heating temperature to +40°C
- Day 17: reducing heating temperature to +30°C
- Day 18: reducing heating temperature to +20°C
- Day 19: moisture control (1.8% for concrete base, carbide (CM) method)

Moisture control procedure according to carbide (CM) method

The parquet installation is carried out by a parquet installation specialist or a company with the appropriate surveying rights. Depending on the size of the floor, the designer determines the sampling points for the carbide test. The rooms should be ventilated regularly throughout the heating/cooling cycle. The concrete floor should be kept free of building materials or other covering materials during drying.

- Reduce the heating power so that the surface temperature of the subfloor drops to 18 °C permanently.
- Adjust the heating to 18 °C before starting the installation.
- Install the parquet according to the instructions.
- Over the next five days, you can increase the temperature by 5 °C per day/night, but make sure that the wooden floor temperature never exceeds +27 °C (which makes the room temperature approx. 24 °C).
- Avoid covering the floor even partially, because, for example, the surface temperature under a loose carpet can be approx. 2 °C higher than on open surfaces.
- Underfloor heating dries the wood, which can result in small cracks on the floor surface during the heating period, which will decrease/disappear as the indoor humidity increases.

## 5. GLUING

The glue must be elastic and water-free. Always follow the glue manufacturer's instructions.

✗ The glue must be applied to the subfloor (except for individual boards in hard-to-reach places).

✗ Take into account the open time and working time of the glue.

✗ Avoid getting glue stains on the parquet surface, wipe immediately with a damp cloth. Leaving glue on the surface may cause discoloration of the parquet and subsequent removal may be difficult.

✗ Install the first two rows of boards without glue as a single floating floor, taking into account the movement allowance.



- ✘ The movement allowance is calculated as a minimum of 1.2 mm / 1 m. If there are pipes etc. in the installation area, install only one row.
- ✘ If the starting row(s) are installed floating without glue and without a substrate, mark the area to be glued on the floor along the edge of the board.
- ✘ Once the area to be glued is marked, remove the boards and apply glue to the marked area.
- ✘ Apply the glue to the subfloor (the area between the wall and the marked line) using a suitable glue comb.
- ✘ Press the parquet carefully onto the adhesive pad to achieve a strong bond with the subfloor. If the subfloor is uneven, the adhesive strength may be significantly reduced.
- ✘ Use wedges to maintain a suitable movement gap between the wall, pipes and parquet.
- ✘ Place weights on the installed part to keep the parquet against the floor. You can also use closed parquet packages or other sufficiently heavy objects such as buckets/canisters filled with sand as weights. The weight of the weights must be 20 kg / 500 mm behind and also at the ends of the boards. Pay more attention to places where there is a lot of movement, such as door frames and corridors.
- ✘ Install weights according to the progress of the installation so that the parquet adheres to the subfloor everywhere.
- ✘ The drying speed of the glue depends on the absorbency of the substrate, temperature, humidity and the glue used.

## 6. MAINTENANCE AND PROTECTION OF THE PARQUET

- ✘ After installation, clean the parquet surface according to the maintenance instructions, which can be found either on the parquet packaging or downloaded from our website ([www.wood4u.ee](http://www.wood4u.ee)).
- ✘ If the repair work continues, cover the parquet with a breathable and sufficiently strong protective material.
- ✘ Tape the protective materials together so that the tape does not come into contact with the floor, as the tape can damage the parquet finish.