

# Installation instructions

## Parquet Flooring 2-layer



# Installation instructions - 2-layer parquet flooring

JOKA Classic 2-layer parquet flooring and INKU Classic 2-layer parquet flooring are state of the art. To achieve best installation results and preserve warranty, the following regulations must be kept.



**Please read the installation instructions through completely before installation.**

## Preparation:

The following values apply for residual screed moisture:

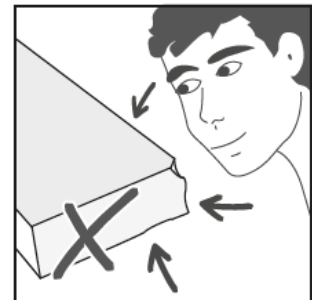
Screeds	Permissible residual moisture in CM-% without hot water underfloor heating	Permissible residual moisture in CM-% with hot water underfloor heating
Calcium sulphate and calcium sulphate flowing screed	≤ 0.5	≤ 0.3
Cement screed	≤ 2.0	≤ 1.8



**A CM measurement must always be carried out before every installation.**

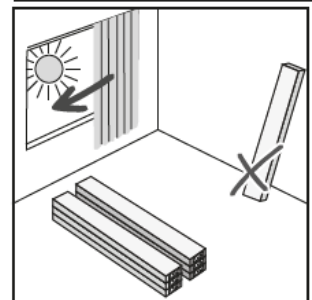
### Checking the goods before installation:

Before installation, check the goods in daylight for material and transport damage. If faults should be recognised during installation, further processing must be stopped immediately so that the goods can be inspected or replaced if necessary. Later complaints will not be accepted.



### Storage and acclimatisation:

Before you install parquet flooring you must store the packs in the rooms where they are to be laid or in adjacent rooms with the same room climate for a period of at least 48 hours so that the material can acclimatise. Store the packs in small stacks (approx. 3 packs) and space the packs out.



The following room acclimatisation conditions must be observed at least 48 hours before and another 48 hours after installation:

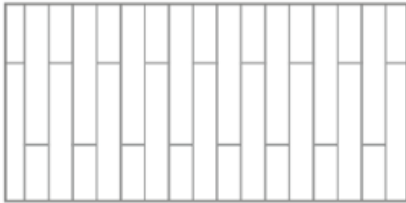
<b>Substrate temperature</b>	:	<b>Min. 16 °C – max. 25°C</b>
<b>Room temperature</b>	:	<b>Min. 18 °C – max. 27°C</b>
<b>Room air humidity</b>	:	<b>40% to 65% rel. air humidity</b>



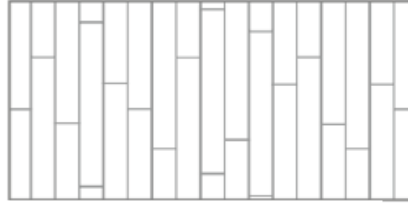
Please note the specifications concerning final strength of the adhesive included in the manufacturer's data sheets. The client is responsible for ensuring the climatic conditions are observed.

**Installation plan:**

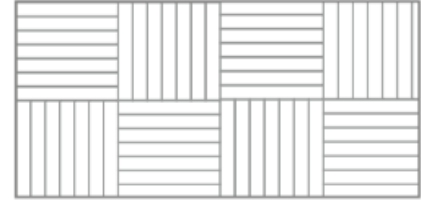
Prepare an installation plan before starting installation work. Note the expansion joints as well as the room geometry. Generally, installation direction in parallel to the main light source is recommended. Adapt the installation direction to the circumstances in the room if necessary. Narrow and/or long rooms can appear larger by placing the elements crosswise. Please involve the client in the decision.



Regular pattern



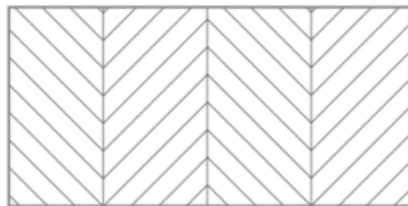
Irregular pattern



Cube connection (Loft / Castle Vario only)



Herringbone connection (Loft / Castle Vario only)



French herringbone connection (Loft Chevron only)

**Substrates:**

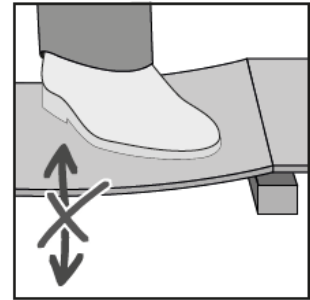
The substrate must be permanently dry, firm, load-bearing and level. The surface should be sanded and free of dust. The relevant national standards and guidelines, technical references and recognised rules of the trade apply for the installation of the 2-layer parquet flooring. In Germany, the following guidelines should be paid particular attention: DIN 18356 "Parquet work" and 18202 "Tolerances in building construction".

**Mineral substrates:**

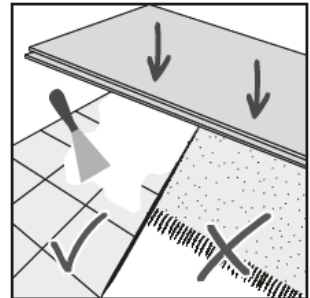
1. Mineral substrates must be firm, permanently dry, sufficiently load-bearing and free of dust, solvents, paint, wax, grease and oil.
2. New mineral substrates must be sufficiently dry and pre-treated. The processing company is responsible for this! In the case of priming work with moisture retarding effect, the moisture remains in the screed longer and can no longer escape via the surface. The remaining moisture is dissipated via the edge areas through the natural drying process and can lead to damage there. Calcium sulphate screeds must not be closed off.
3. Holes, cracks and other damage must be repaired before installation using suitable materials.
4. Heating screeds with hot water underfloor heating are suitable up to a maximum surface temperature of 29 °C.

**Wooden substrates:**

All wood and wood-mix boards without surface treatment are suitable for use under 2-layer parquet flooring, provided they are level and free of textures (such as, e.g., with plywood or OSB boards). Fasten all loose parts permanently first. To avoid mould formation the hollow chambers must be sufficiently ventilated under the structure and the moisture content of the wood should not exceed 10%. The laid level must not give or swing under load. Please contact your construction chemicals supplier for an appropriate recommendation.

**Old coverings:**

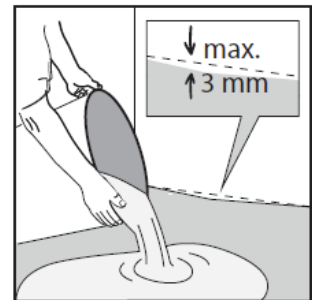
2-Layer parquet flooring can be installed on most hard coverings. Before the 2-layer design flooring is installed on ceramic tiles, these should be treated with a suitable levelling or filling mass as well as the decoupling mat in accordance with the manufacturer's instructions to level the joints. In addition it is absolutely necessary to remove textile and other soft coverings before installing 2-layer parquet flooring. Please contact your construction chemicals supplier for an appropriate recommendation. Floating old coverings must always be removed prior to installation.



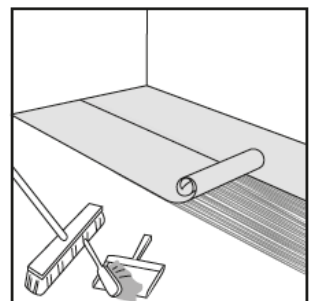
The right preparation of the substrate is also key to the successful installation 2-layer parquet flooring. Unevenness in the substrate can lead to an unsatisfactory appearance or even clear joint formation. Special attention must be paid to the permissible residual moisture of the substrate as well as observance of the climatic conditions in the room, since excessive moisture in the floor covering usually leads to irreparable damage.

**Installation:****Substrate preparation:**

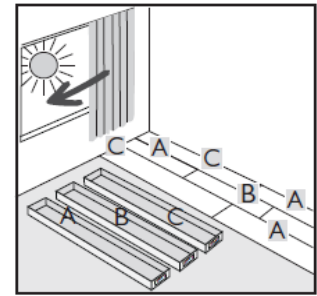
Check the substrate for unevenness. Unevenness of more than 3mm per metre must be compensated using a suitable levelling mass. If this is not heeded, joints may open, or the overall impression will certainly not be satisfactory.



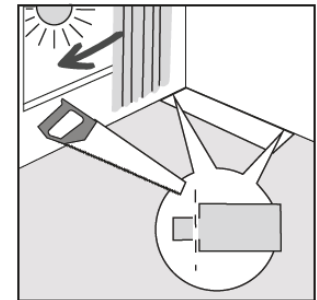
**Optional:** First stick down a suitable decoupling mat at right angles to the direction in which the floor covering will later be laid. To do this, lay the appropriate decoupling mat using a suitable adhesive. The respective manufacturer's specifications must be complied with.



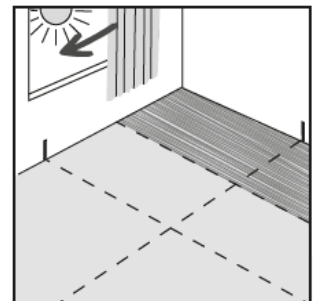
To achieve a harmonious appearance, mix the goods from at least three packages or more. Make sure that the natural appearance of the wood results in a harmonious overall appearance. There may be a negative effect on the optical result if this is not heeded.



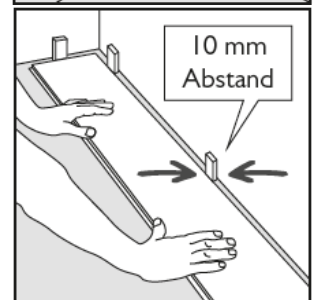
Start installation in accordance with the installation plan in the left-hand corner of the longest room wall or from the centre (depending on the laying pattern). If you are starting the installation on the wall, start with the tongue side facing the wall and remove the tongue. Prepare the first three rows for installation. Lay them out dry (without gluing initially) to make any necessary adjustments to the adjacent wall.



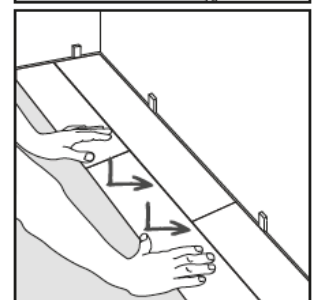
The area to be glued is marked by a chalk line so that the adhesive can be applied after the elements have been removed again. The adhesive manufacturers specifications must always be heeded. Do not continue until the installation work until the starting rows are fixed permanently.

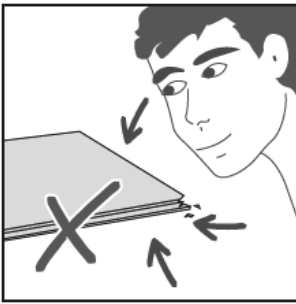


Keep a clearance of at least 10 mm during the first element row and then to all upright construction elements (walls, pillars, heating pipes etc.). Non-observance will lead to the structure being under tension. This leads to bulging in the floor covering followed by possible destruction of the floor covering.



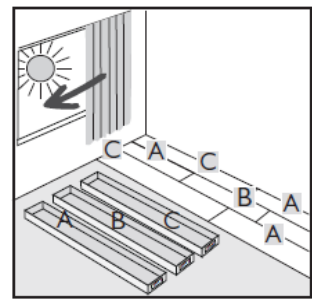
During further installation, apply the adhesive in sections according to the manufacturer's specifications and then join the next elements together exactly by placing the elements in the adhesive bed with light pressure and pushing them into the tongue and groove joint. The use of an impact block can be helpful here. The remaining piece of one row can be used as the starting element of the second row (depending on the pattern).



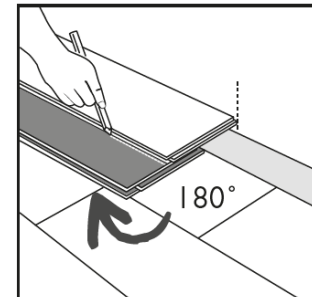


During installation, mix the elements from at least three or more packages and check them for material faults. Elements with visible material faults must not be installed.

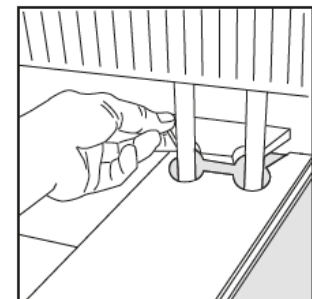
**Installed elements with visible material faults are excluded from complaints!**



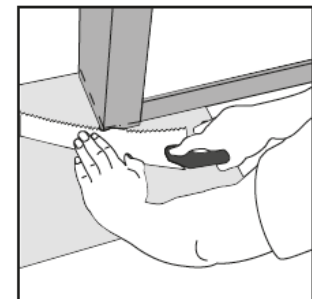
Cut the elements for the last row to size. The jointing of the tongue and groove connection can be supported by pull bars or similar tools. Take the edge spacing to be observed into account here, too.



Radiators (or upright construction elements on the area): add approx. 20 mm to the diameter of the upright element and cut the element accordingly. You can glue any elements you have to cut through back together again using D3 white glue.



Doors: Mark the cut mark on the door frame using a panel section or a reversed panel. Adapt the door frame accordingly using a suitable tool.



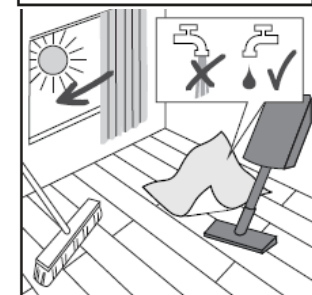
## **Cleaning:**

Only use a broom, vacuum cleaner or damp cloths for cleaning. Do not use microfibre cloths!

## **Cleaning and care of varnish-sealed surfaces**

For cleaning on completion of installation work, first eliminate the coarse dirt by brushing or vacuuming. Damp-wipe parquet & board flooring using JOKA Cleaner (1014). Note the mixing ratio with water of 1:200.

Basically, all parquet & board flooring with Velvet or Satin surface have been finally varnished and surface-treated in the factory and do not require initial care either in the living area or in rooms with intensive use (high-frequency residential & commercial area).



### **Cleaning and care of oiled surfaces**

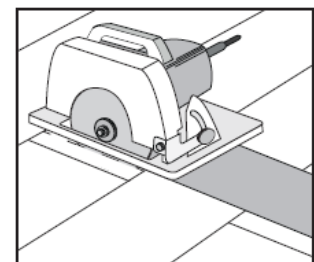
For cleaning on completion of installation work, first eliminate the coarse dirt by brushing or vacuuming. Damp-wipe parquet & board flooring using JOKA Cleaner (1014). Note the mixing ratio with water of 1:200.

Basically, all parquet & board flooring with oiled surfaces have been finally oiled and surface-treated in the factory and do not require care in the living area. In rooms with intensive use (high-frequency residential & commercial areas), initial care can be carried out after the final cleaning of the building for additional protection of the surface and the edges with JOKA Öl-Protect (1004).

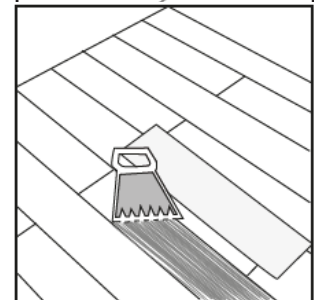
**Further information about e.g. maintenance cleaning can be found in the cleaning and care instructions.**

### **Repairs:**

2-layer parquet flooring can be repaired in the event of damage. Use a steel ruler (or an element) and a suitable tool to cut out the centre of the damaged element. Be careful in the edge area of the element in order to avoid damaging adjacent elements.

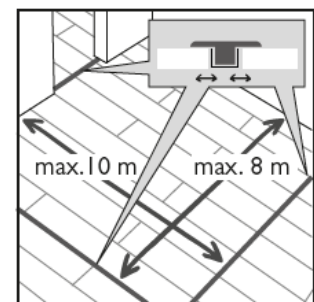


Remove the spring from the long and short sides of the element to be inserted. While dry, check the fit of the element in the recess. If necessary, rework using sandpaper and/or a hand plane. Then glue the new element into the recess using a suitable adhesive. Joints can then be covered with suitable repair putty.

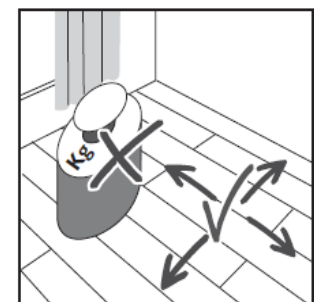


### **Important information:**

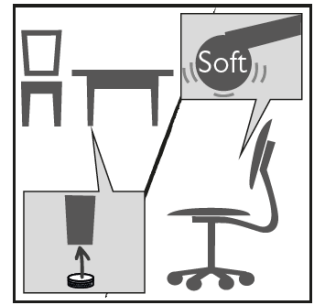
For installation in several rooms, L-shaped rooms, passage areas and large areas from 10x8 m in size, a movement joint profile must be used. Also for connected areas, e.g. with several heating circuits, the movement joints present on-site must be taken over identically for the top floor covering. These can be closed using joint profiles or flexible sealants. Care must be taken that the movement joints to upright construction elements, such as supporting pillars and walls, are functional. We recommend that you use cork edge strips or similar to fill these areas.



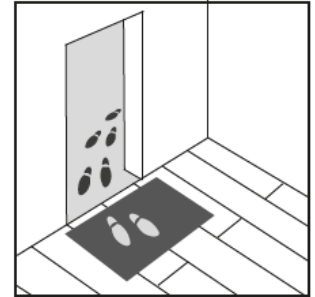
Place furniture and heavy objects on the floor covering 48-72 hours at the earliest after gluing. The adhesive manufacturer's specifications must be heeded.



Where office chairs or objects on wheels are used, make sure soft chair or furniture wheels are used. Fit furniture pads to all (moveable) furniture to protect your floor from scratches.



To maintain the value of your floor covering for a long time, we recommend the use of suitable anti-dirt mats in the entrance area and at patio doors. Generally speaking, floor protection mats are recommended in heavily frequented areas to reduce partial damage or signs of wear.



With parquet flooring it is particularly important to ensure the room climate conditions are correct all year long.

The surface treatments of Classic 2-layer parquet flooring are a protective layer for the fine wood wear layer and are subject to normal wear in use. If the surface sealing shows signs of wear, it must be completely or partially renewed in time to ensure the protective function. Corresponding instructions about e.g. maintenance cleaning can be found in the cleaning and care instructions.



Wood is a natural product, and therefore features colour and texture differences. Exposure to sunlight leads to a natural change in the wood colour (darkening or lightening). In the case of strong incidence of light, such as floor-to-ceiling windows, this can also occur partially.