Installation instructions

Design flooring 555 Evolut Herringbone Click



JOKA® Natürlich schöne Räume

INKU

Installation instructions - Design flooring 555 Evolut Herringbone Click

JOKA design flooring 555 Evolut Herringbone Click and INKU design flooring 555 Evolut Herringbone Click comply with the latest technical standard. To achieve best installation results and preserve warranty, the generally valid standards and regulations must be kept.

Please read these installation instructions through completely before installation.

Preparation:

The following values apply for residual screed moisture:

Screeds	Permissible residual moisture without hot water underfloor heating	Permissible residual moisture with hot water underfloor heating
Calcium sulphate and calcium sulphate flowing screed	≤ 0.5 CM % ≤ 80% relative humidity	≤ 0.3 CM % ≤ 75% relative humidity
Cement screed	≤ 2.0 CM % ≤ 80% relative humidity	≤ 1.8 CM % ≤ 75% relative humidity

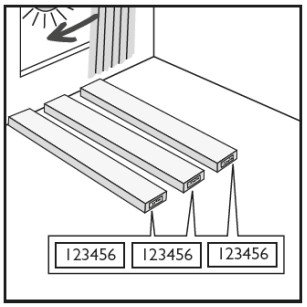
A CM measurement must always be carried out before every installation.

The CM values apply to both old substrates and new screeds.
KRL method: For old substrates and a normal usage climate (temperatures in the range of 20 to 23 °C, relative humidity by 50%), KRL values are expected to be 50% rel. humidity. If the measured KRL values deviate significantly from this, there may be hidden construction defects. Please also note the TKB leaflet 18, SVL method

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



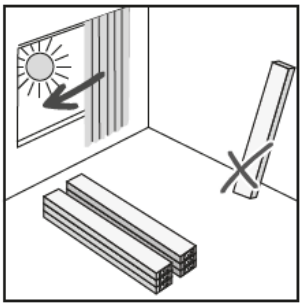
Make sure that the packages to be used for the installation area are from the same batch in order to avoid deviations in colour. The batch numbers can be found on the package labels. They must be quoted on re-orders. Avoid direct sunshine both during acclimatisation and during installation.



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Storage and acclimatisation:

Before you install design flooring 555 Evolut Herringbone Click you must store the packages 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 packages in the middle of the room in small stacks (approx. 3 packages) and space the packages out.



The following room acclimatisation conditions must be observed at least 48 hours before and at least another 72 hours after installation:

Substrate temperature	**:**	**Min. 15 °C – max. 25°C**
Room temperature	**:**	**Min. 18 °C – max. 27°C**
Room air humidity	**:**	**45% to 65% rel. air humidity**

The client is responsible for ensuring the climatic conditions are observed.

Fitting plan:

Prepare an installation plan before starting installation work. Note the expansion and movement 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 seem larger if the elements are installed crosswise. Please involve the client in the decision. Good preparation is more important than ever when installing herringbone flooring.

Substrates:

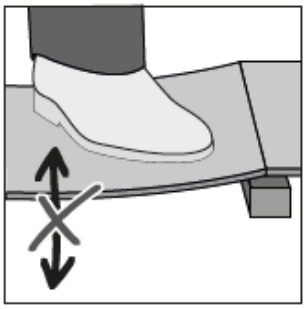
The substrate must be permanently dry, firm, load-bearing and level. The surface should be sanded and free of dust. The relevant national standards and guidelines, technical references and recognised rules of the trade apply for the installation of design flooring 555 Evolut Herringbone Click. In Germany, the following guidelines should be paid particular attention: DIN 18365 "Flooring works" 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. Underfloor heating systems with hot water are suitable up to a maximum surface temperature of 29°C.

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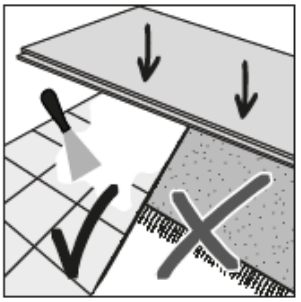
Wooden substrates:



All wood and wood-mix surface treatment are suitable for use under design flooring 555 Evolut Herringbone Click provided they are level and free of textures (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 also note the TKB leaflet 10, flooring and parquet work on finished partial screeds – wood-based materials and gypsum fibre boards.

Old coverings:



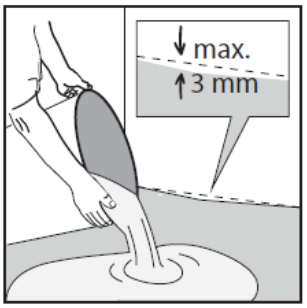
Design flooring 555 Evolut Herringbone Click can be installed on most hard coverings. Before design flooring 555 Evolut Herringbone Click is installed on ceramic tiles, these should be treated with a suitable levelling or filling mass in accordance with the manufacturer's instructions to level the joints. In addition it is absolutely necessary click to remove textile and other soft coverings before installing design flooring 555 Evolut Herringbone Click. Note that the material mix can lead to changed indentation behaviour etc. Thus permanent indentations cannot be excluded in flexible top coverings.

Floating old coverings must always be removed prior to installation.

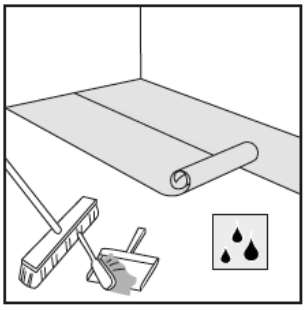
Even if design flooring 555 Evolut Herringbone Click is for floating installation, the right preparation of the substrate is key to successful installation here, too. Insufficient preparation can lead to an unsatisfactory overall appearance, clear joint formation through to destruction of the floor structure.

Installation:

Substrate preparation:



Check the substrate for unevenness. Unevenness of more than 3 mm 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.



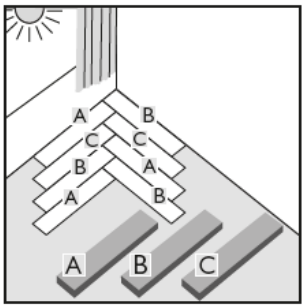
It is recommended to install a suitable PE film of at least 0.2 mm thick according to the manufacturer's specifications. The SD value of the film must be ≥ 100 m.

On existing wooden substrates, a vapour control layer may not be used.

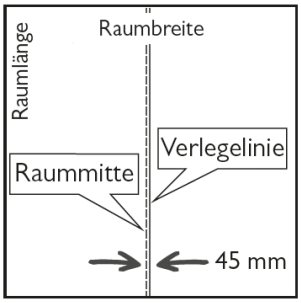
The use of an additional impact sound insulation is not approved.

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To achieve a harmonious appearance, mix the goods from at least three packages or more (of the same batch). Make sure that the décors of adjoining elements are different.



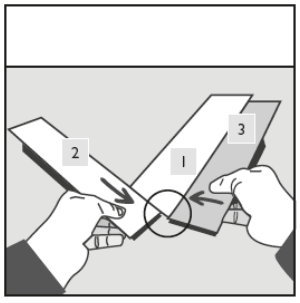
Determine which wall you would like to start installation from. Starting from this wall, determine where the centre of the room is and mark the installation line 45 mm to the right of the centre of the room.

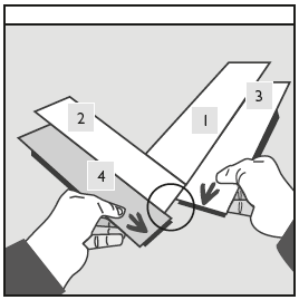


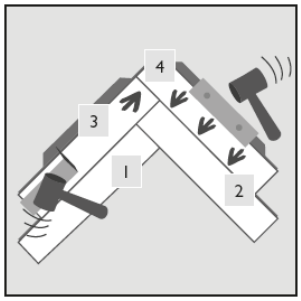
Room length displacement (RLV) by X:
For the installed area to end with triangles of the same size at both walls, the herringbone must be displaced over the length of the room.
Calculate the size of the start & end triangle:
Measure the room length in cm.
Subtract 2 cm (1 cm edge gap per wall) and divide this value by 17.8.
The result is the number of whole rows.

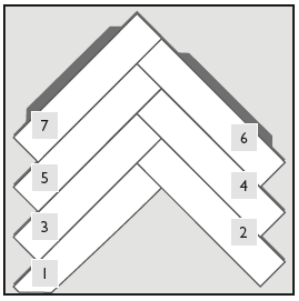
Example: Room length = 425.5 cm – 2 cm = 423.5 cm
423.5 cm divided by 17.8 = 23.79 rows
If you start with a whole row, you will end the room with 0.79 whole rows. For both sides to look the same, the number after the decimal point is divided by two and the result multiplied by 17.8 cm.
0.79 divided by 2 = 0.395.
0.395 x 17.8 = 7.03 cm → 7.0 cm =X

Take seven elements and lay these as follows.









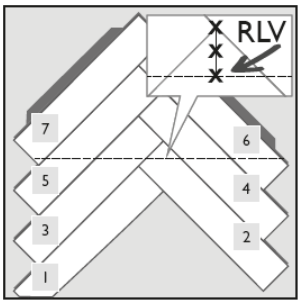
Position the first element.
Now another element is added by inserting it into the groove of the first element at an angle of approx. 20°. Use a third element as a stop. Now you can fit both elements precisely and lower the second element. Make sure that the connections are closed. To do this, use an LVT hammer and a tapping block by tapping the locking system with careful strikes.

Repeat until you have created a starting braid pattern from a total of seven elements.

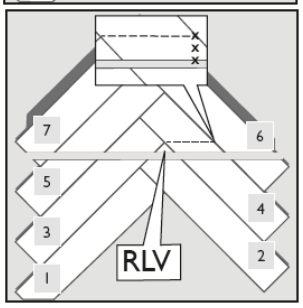
Install the elements precisely and in the order shown on the drawing. Check the joints between the elements carefully after every element that is added. No excess should be able to be felt.

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Now mark the room length displacement X as shown!

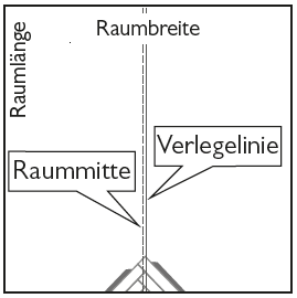


Now saw the triangle according to the line. Depending on the type of saw used, it can make sense to take the triangle apart before sawing. Keep the offcuts (below the line).



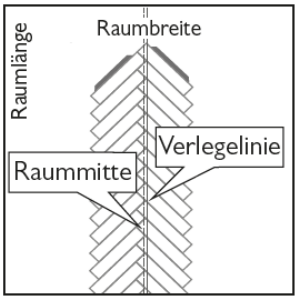
Remove the seventh element and position the starting triangle on the previously defined wall. Align it using the installation line.

Use the spacer wedges for the edge gap. Make sure that the tip of the triangle is on the installation line (45 mm to the right of the centre of the room). Check whether the wall is at a right angle to the installation line. If this is not the case, the triangles have to be adapted.



Now add the seventh element again and start with the further laying of the starting braid as described above. Check the correct alignment of the starting braid pattern to the installation line several times during installation.

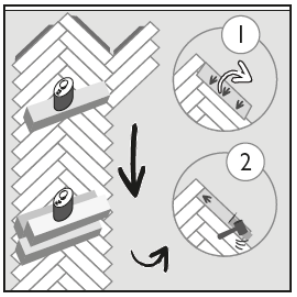
The correct connection is confirmed by a quiet click when a new element is engaged. We recommend use of an LVT hammer and a tapping block to lock the elements in place successfully.



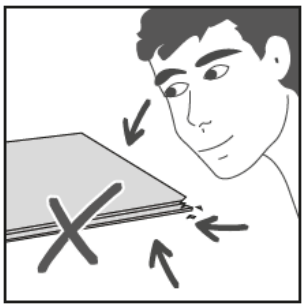
If the elements do not lower completely, use the tapping block to gently tap against the long side of the element. The element will then slide into the connection. To drive in the head connection, light taps with the LVT hammer and a tapping block are necessary.

Install the remaining area as shown. It is important to check whether:

- All spacer wedges remain in position
- All joints are closed correctly

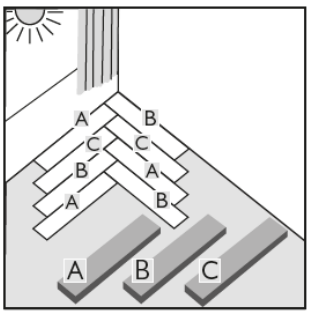


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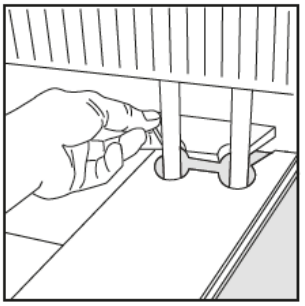
During installation, mix elements from at least three or more packages from the same batch and check them for material faults. Elements with visible material faults must not be installed.

Installed elements with visible material faults are excluded from complaints!

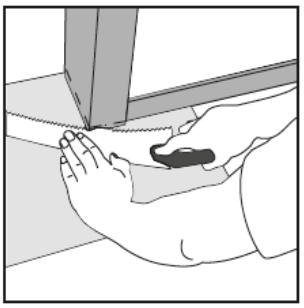


Cut the elements for the last row to size. Proceed as before for locking the ends. A permanent connection of the perhaps narrow last row is achieved using a cold welding agent type C. Locking can be supported by pull bars or similar tools. Make sure no permanent connection is made to the substrate. Note the edge spacing of 10 mm to be observed here too. Do not apply pressure or increased force of any kind!

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 suitable adhesive (cold welding agent type C). Again, make sure no permanent connection is made to the substrate here.



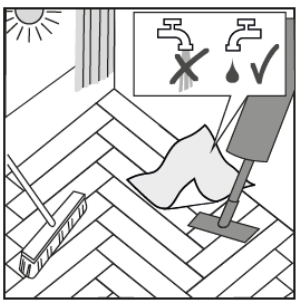
Doors: use an element section or a reversed element to mark the cutting mark on the door frame. Adapt the door frame accordingly using a suitable tool.



Cleaning:

Only use a broom, vacuum cleaner or damp cloths for cleaning.

We recommend the use of our JOKA PVC design care set for cleaning on completion of installation work:



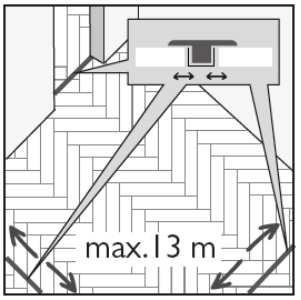
First eliminate the coarse dirt by brushing or vacuuming. For heavy soiling, dilute the PU cleaner 1:10 (1L to 10L water), for light soiling reduce the concentration accordingly. Then distribute the solution and work the floor covering after a short soaking time using a scrubber or SRP single disc machine and red pad/scrubbing brush. Pick up the cleaning waste water using an absorbent wide mop or spray vacuum with hard floor adapter. Finally, rinse off with clear water as neutralisation.

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

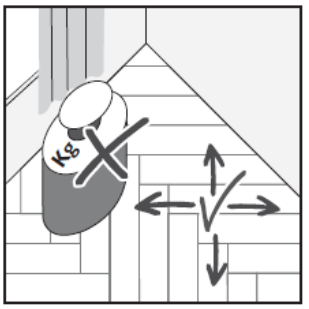
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Important information:

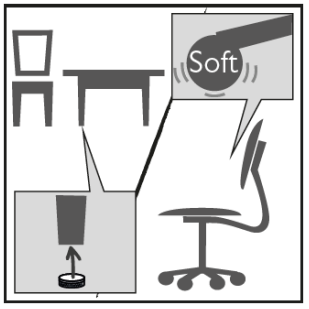
For installation in several rooms, L-shaped rooms, passage areas and large areas from 13x13m in size, a movement joint profile must be used. Also for connected areas, e.g. with several heating circuits, the movement joints present on-site must be taken over identically for the top floor covering. These can be closed using joint profiles (e.g. multi-piece transition profile that does not clamp the floor). 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.



Fixing the floating structure by heavy objects such as kitchen units, ovens, aquariums, water beds etc. must be avoided. If this is unavoidable, the floor covering must be able to expand freely from the fixation in all remaining directions. If this is not heeded, joints may open, or the overall impression will certainly not be satisfactory.

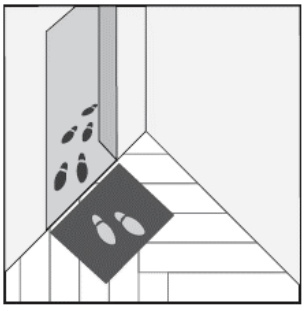


Where office chairs or objects on wheels are used, make sure suitable soft chair or furniture wheels (type W) are used. Fit suitable furniture pads to all (moveable) furniture to protect your floor from scratches.



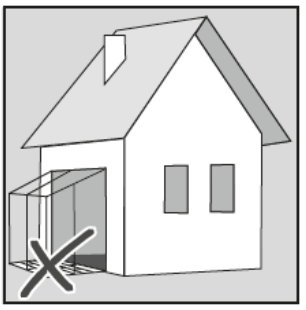
To maintain the value of your floor covering for a long time, we recommend the use of suitable anti-dirt mats in the entrance area and at patio doors. Note the respective manufacturer's specifications.

Generally speaking, floor protection mats are recommended in heavily frequented areas to reduce partial damage or signs of wear.



Near French windows and overhead glazing, ensure there is sufficient shade, so that the surface temperature of the floor covering does not exceed the limit of 29°C. Higher temperatures will lead to expansion of the floor covering and thus to building and a unsatisfactory appearance.

When laying in conservatories, the area size of 8 x 8 m may not be exceeded!



Direct sunshine can lead to changes in colour. For this reason, sufficient shade should be provided near floor-to-ceiling windows or overhead glazing.

Design flooring 555 Evolut Herringbone Click is not suitable for use in wet rooms and saunas.

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