Installation instructions

Design flooring 555 Evolut Click



JOKA® Natürlich schöne Räume

INKU

Installation instructions - Design flooring 555 Evolut Click

JOKA design flooring 555 Evolut Click and INKU design flooring 555 Evolut 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:

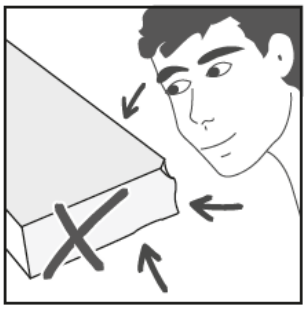
The following values apply for residual screed moisture:

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

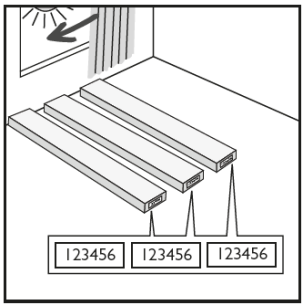
A CM measurement must always be carried out before every installation.

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.



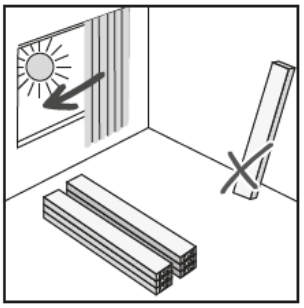
Make sure that the packages to be used for the installation area are from the same batch in order to avoid deviations in colour. The batch numbers can be found on the package labels. They must be quoted on re-orders.
Avoid direct sunshine both during acclimatisation and during installation.



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Storage and acclimatisation:

Before you install design flooring 555 Evolut, 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. Involve your client in the decision. Measure the room. If the last row according is not at least 5 cm wide, cut the first row in such a way that the first and last row are about the same width.

Substrates:

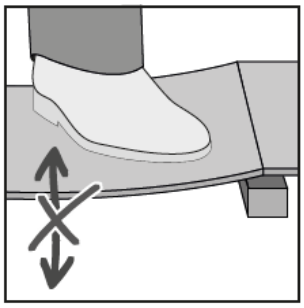
The substrate must be permanently dry, firm, load-bearing and level. The surface should be sanded and free of dust. The relevant national standards and guidelines, technical references and recognised rules of the trade apply for the installation of design flooring 555 Evolut Click. In Germany, the following 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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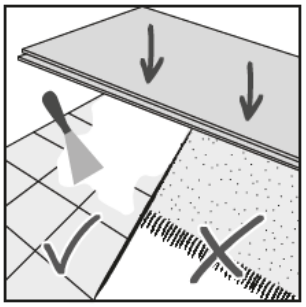
Wooden substrates:



All wood and wood-mix surface treatment are suitable for use under design flooring 555 Evolut 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:

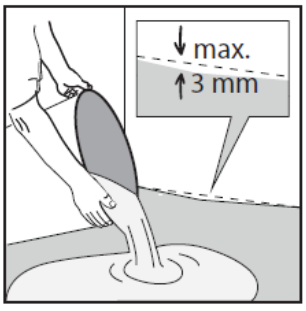


Design flooring 555 Evolut Click can be installed on most hard coverings. Before design flooring 555 Evolut Click is installed on ceramic tiles, these should be treated with a suitable levelling or filling mass in accordance with the manufacturer's instructions to level the joints. In addition it is absolutely necessary to remove textile and other soft coverings or flexible coverings before installing design flooring 555 Evolut 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.

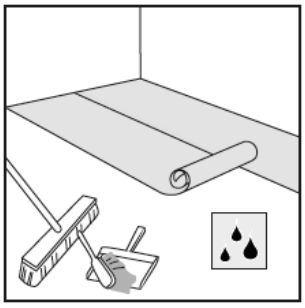
Even if design flooring 555 Evolut Click is for floating installation, the right preparation of the substrate is key to successful installation here, too. Insufficient preparation can lead to an unsatisfactory overall appearance, the click connection opening through to destruction of the floor structure.

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.



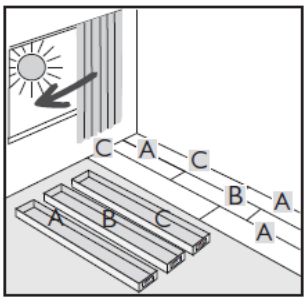
It is recommended to install a suitable PE film of at least 0.2 mm thick according to the manufacturer's specifications. The SD value of the film must be ≥ 100 m.

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

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

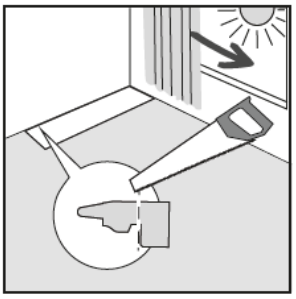
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To achieve a harmonious appearance, mix the goods from at least three packages or more (of the same batch). Make sure that the décors of adjoining elements are different.

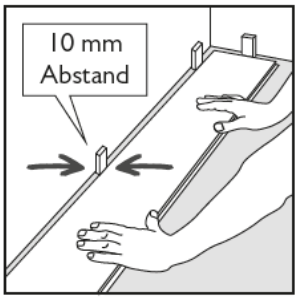


Installation variant 1: angle – angle connection

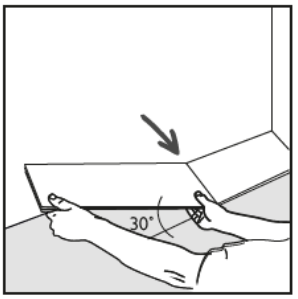
Start installation in accordance with the installation plan in the right-hand corner of the longest room wall. Lay the first element in such a way that the tongue side is facing the wall. The click connection on the end and long side facing the adjacent wall must be cut off. Use a suitable tool for this. This also applies to the following elements that are laid directly against walls.



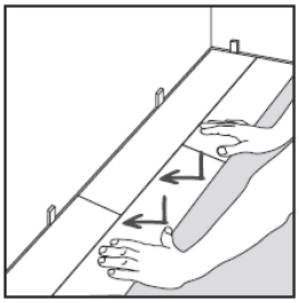
Keep a clearance of at least 10 mm during the first installation row and then to all upright construction elements (walls, pillars, heating pipes etc.). This can be achieved using spacer wedges. Non-observance will lead to the floating structure being under tension and will lead to bulging in the floor covering resulting in possible destruction of the click connection.



Angle the tongue end of the second element into the groove end of the first element in an exact extension. Then proceed to complete the first row element by element.



For all further rows, insert the first element of the row lengthwise into the connection. The tongue is inserted loosely into the groove of the installed element so that the joint is tight on the top side but not yet lowered. Now connect all the other elements of the row at the end. Now lift the first element slightly and join it to the first row at the long edge. Continue until the entire row is connected to the first row. Continue in this way row by row. The piece left at the end of one row can be used to start the new row, but it must be at 30 cm long for this. The same applies for the offset of adjacent end joints.



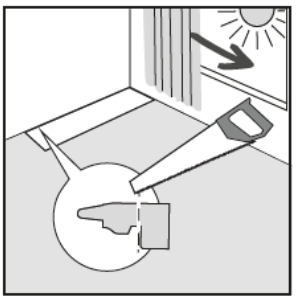
The offset of the end joints must always be at least 30 cm.

In the case of elements in tile format, care must be taken that they are always installed offset by half.

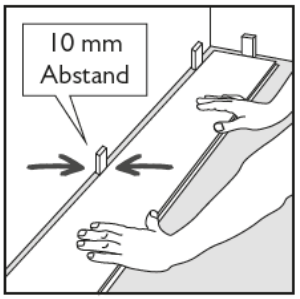
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Installation variant 2: angle – tapping connection

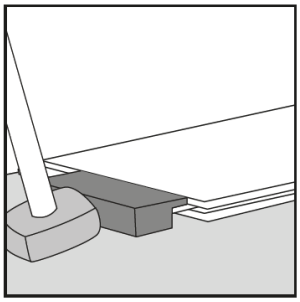
Start installation in accordance with the installation plan in the right-hand corner of the longest room wall. Lay the first element in such a way that the tongue side is facing the wall. The click connection on the end and long side facing the adjacent wall must be cut off. Use a suitable tool for this. This also applies to the following elements that are laid directly against walls.



Keep a clearance of at least 10 mm during the first installation row and then to all upright construction elements (walls, pillars, heating pipes etc.). This can be achieved using spacer wedges. Non-observance will lead to the floating structure being under tension and will lead to bulging in the floor covering resulting in possible destruction of the click connection.



Place the second element just in front of the first and tap them together using an LVT hammer and tapping block. Make sure that the elements are flush and an aligned in exact extension to one another. You should not exert too much force for horizontal tapping either. Then proceed to complete the first row element by element.



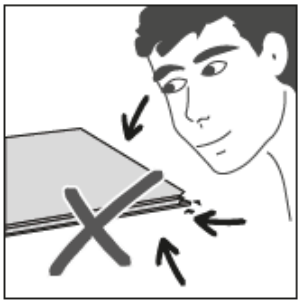
Providing it is at least 30 cm long, the residual piece of the last element is used as the starting element for the second row.

The long side of the first element of the second row is clicked in at a slight angle (about 25°) first. Moving up and down slightly or the use of a suitable tapping block (at least 20 cm long) and an LVT hammer can help here. The ends of the elements are clicked into one another by slightly tapping in a horizontal direction using tapping block and an LVT hammer. Always place the tapping block against the tongue or the lower groove face, never against the "good edge". Install the following elements in direct extension, element for element, row for row in the same way.

The offset of the end joints must always be at least 30 cm.

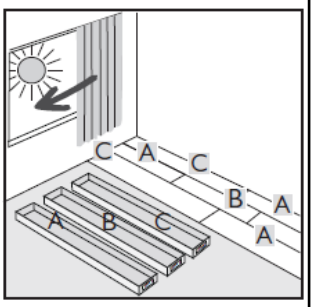
Recommended tapping block: Profile A WER2010091

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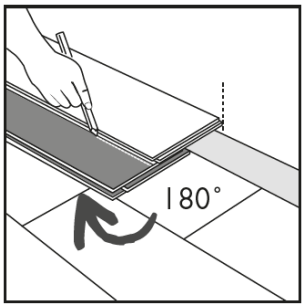


During installation, mix elements from at least three or more packages from the same batch and check them for material faults. Elements with visible material faults must not be installed.

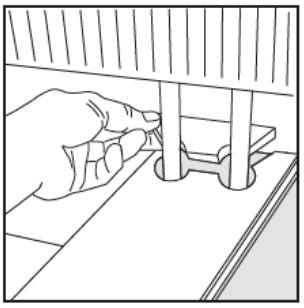
Installed elements with visible material faults are excluded from complaints!



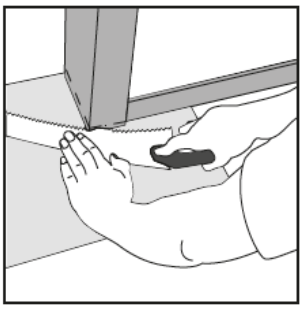
Cut the elements for the last row to size. Proceed as before for locking the ends. A permanent connection of the perhaps narrow last row is achieved using a cold welding agent type C. Locking of the long side can be supported by pull bars or similar tools. Make sure no permanent connection is made to 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.

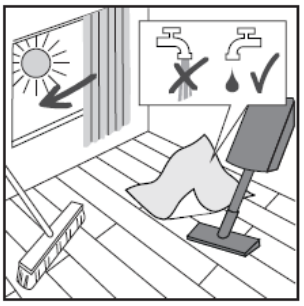


Doors: use an element section or a reversed element to mark the cutting mark on the door frame. Adapt the door frame accordingly using a suitable tool.



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Cleaning:



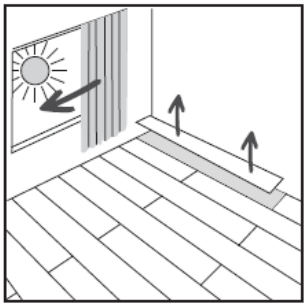
Only use a broom, vacuum cleaner or damp cloths for cleaning.

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

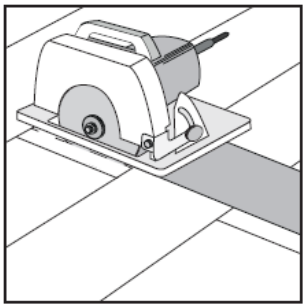
First eliminate the coarse dirt by brushing or vacuuming. For heavy soiling, dilute the PU cleaner 1:10 (1L to 10L water), for light soiling reduce the concentration accordingly. Then distribute the solution and work the floor covering after a short soaking time using a scrubber or SRP single disc machine 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.

Repairs:



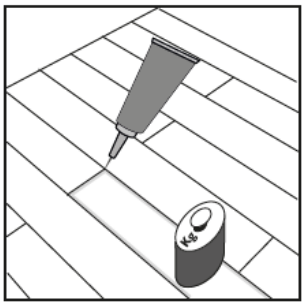
Design flooring 555 Evolut Click can be repaired easily if damaged. Damage at the edges may be able to be eliminated by removing the damaged element and installing a new one for example. If damage occurs in other places we recommend the following procedure:



Use a plunge-cut saw and cutting fence to cut the centre of the damaged element out. Be careful in the edge area of the element in order to avoid damaging adjacent elements.

Now remove the other element parts from the click mechanism.

To prepare the replacement element, cut the tongue off on both the end and long side, so that the locking groove does not become damaged.

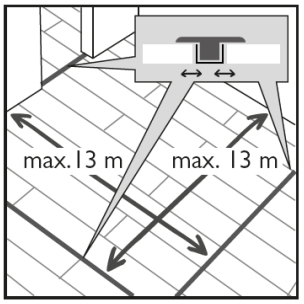


Now apply the cold welding agent type C to the long side and end of the prepared element and on the remaining click mechanism of the adjacent elements. Then insert the prepared element from the groove to the tongue side and weigh it down until the glue has set.

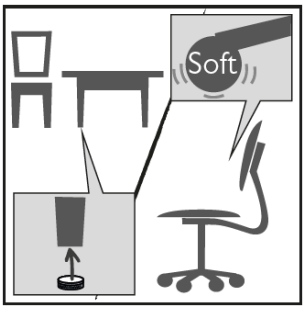
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Important information:

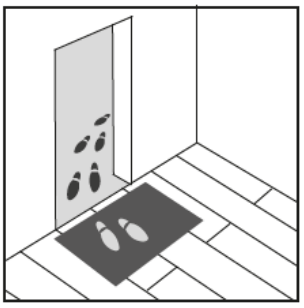
For installation in several rooms, L-shaped rooms, passage areas and large areas from 13 x 13 m in size, a movement joint profile must be used. Also for connected areas, e.g. with several heating circuits, the movement joints present on-site must be taken over identically for the top floor covering. These can be closed using joint profiles (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. Filling the edge spacing with elastic sealants is not allowed



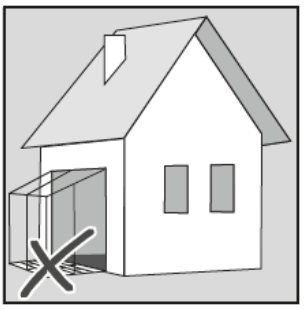
Where office chairs or objects on wheels are used, make sure suitable soft chair or furniture wheels (type W) are used. Fit suitable furniture pads to all (moveable) furniture to protect your floor from scratches.



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 Click is not suitable for use in wet rooms and saunas.

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