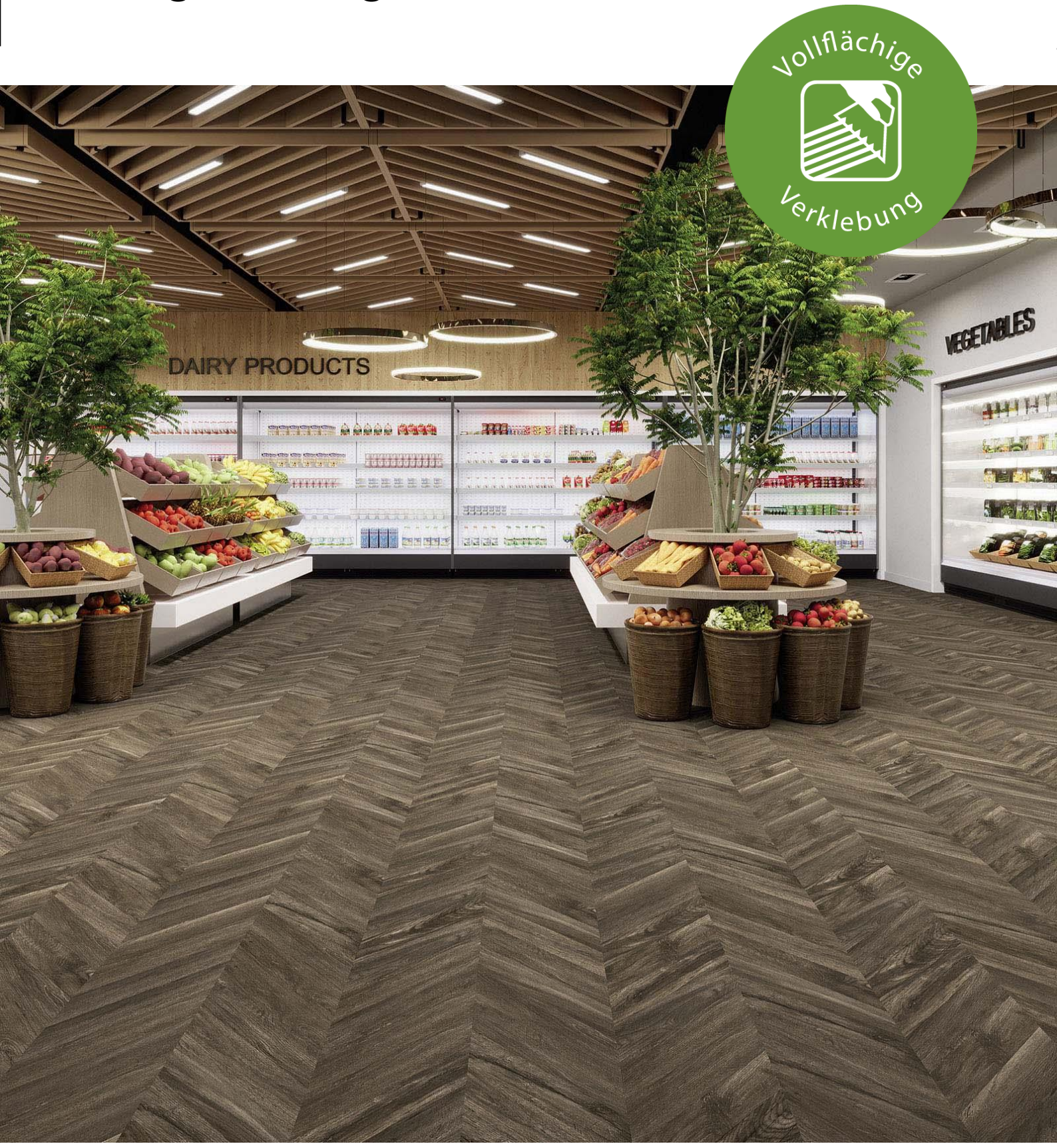
Installation instructions
Design flooring 555 Evolut Chevron



JOKA®
Natürlich schöne Räume

INKU

Installation instructions - Design flooring 555 Evolut Chevron

JOKA design flooring 555 Evolut Chevron and INKU design flooring 555 Evolut Chevron 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 the installation instructions through completely before installation.

Preparation:

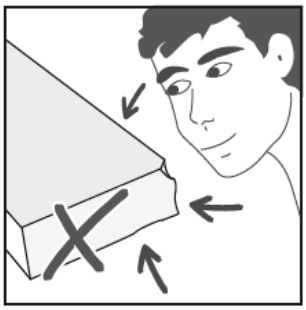
The following limit values apply for residual screed moisture:

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

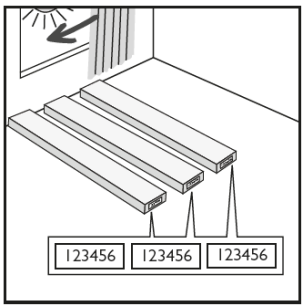
A CM measurement must always be carried out before every installation.

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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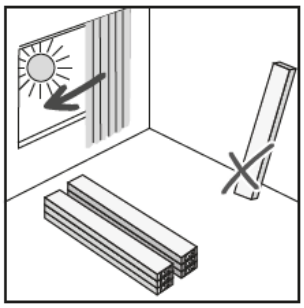
Storage and acclimatisation:
Before you install design flooring 555 Evolut Chevron you must store the packages in the rooms where they are to be laid or in adjacent rooms with the same room climate for a period of at least 48 hours so that the material can acclimatise. Store the packages in the middle 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**

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.

Fitting plan:
Prepare an installation plan before starting installation work. Note the expansion and movement joints to be taken over 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.

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 Chevron.
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! 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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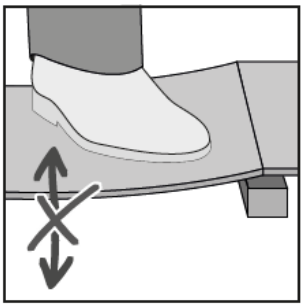
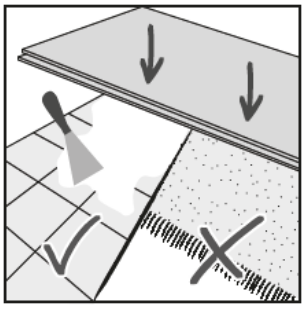
Wooden substrates:



All wood and wood-mix surface treatment are suitable for use under design flooring 555 Evolut Chevron 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 contact your construction chemicals supplier for an appropriate recommendation.

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 Chevron can be installed on most hard coverings. Before design flooring 555 Evolut Chevron 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 surface and the joints. In addition it is absolutely necessary to remove textile and other soft coverings before installing design flooring 555 Evolut Chevron. Note that the material mix can lead to changed indentation behaviour etc. Thus permanent indentations cannot be excluded in flexible top coverings. 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 key to the successful installation of design flooring 555 Evolut Chevron, too. Roughness or unevenness of the substrate can press through the new floor covering, create optical anomalies and lead to increased wear at the spots affected. Insufficient preparation can lead to an unsatisfactory appearance or even clear joint formation.

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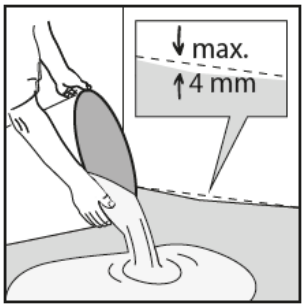
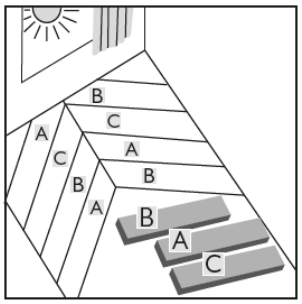
Installation:

Substrate preparation:
The substrate must always be prepared using a suitable levelling and/or filling compound. The construction chemicals manufacturer's specifications must always be heeded. Unevenness of more than 4mm per metre must always be compensated. If the processing guidelines are not followed, this can lead to impairment of the overall appearance of the top covering then laid.

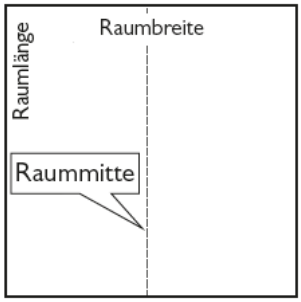


To achieve a harmonious appearance, mix the goods from at least three packages or more (of the same batch). Make sure that the décors of adjoining elements are different. There may be a negative effect on the optical result if this is not heeded.



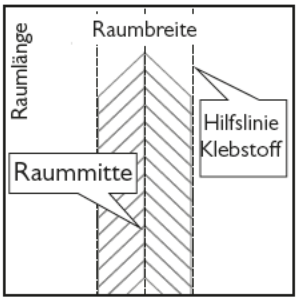
When elements are installed in the chevron pattern, a particularly high degree of accuracy is required during installation. The elements must be aligned at exactly 90° to one another. Even minimum deviations from this lead to larger and larger joints as installation progresses and can have a negative impact on the overall visual result.

Before installation of the elements, the centre axis of the room must be defined. This depends on the shape of the room and the design of your flooring. The size of the edge pieces can be adapted by moving the chalk line.



Start installation at your defined marking line. The elements are added row by row to the braid and then pressed firmly from the centre to the edge. The direction of installation is defined in accordance with the installation plan.

Prepare several elements for installation without adhesive and align them for creation of the braid exactly along the chalk line. Now mark the outer edge of the chevron in order to glue an area that is large enough but not too large. The corners of the chevron must run exactly along the chalk line. Further mark lines can be drawn in addition.
Only use the products approved by us in the adhesive recommendation. The adhesive manufacturer's specifications must always be heeded. Do not continue until the installation work until the starting row (braid) is fixed permanently.



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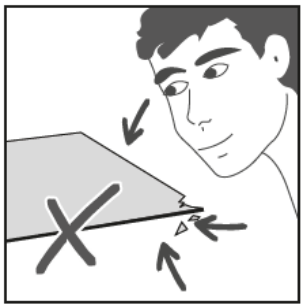
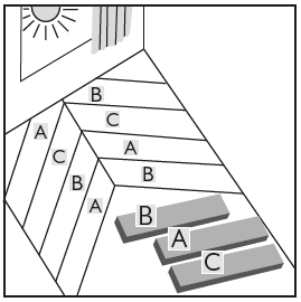
During further installation, apply the adhesive in sections according to the manufacturer's specifications and then join the next elements together exactly by placing the elements in the adhesive bed with light pressure. It is important to install the flooring joint-tight and tension-free. The partial areas should be rolled using a suitable pressure roller immediately before further installation.

The elements are cut by scoring the top side of the element using a straight blade. Then the element is broken downwards and recut using a hook blade. Alternatively, the elements can be processed using a suitable punch.

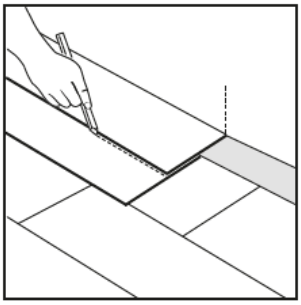


During installation, mix elements from at least three or more packages from the same batch and check them for material faults. Elements with visible material faults must not be installed.

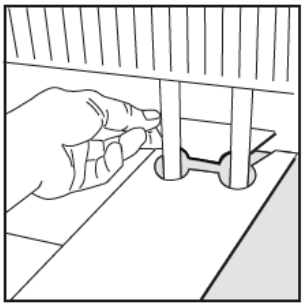
Installed elements with visible material faults are excluded from complaints!



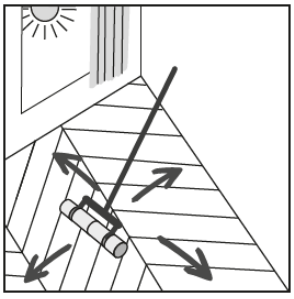
Cut the elements to size as described before and simply place these in the adhesive bed.



Radiators (or upright construction elements in the area): cut the element to size accordingly. In the case of radiator pipes, add at least 5 mm to the diameter of the radiator pipe.



After a period of approx. 30-45 minutes (depending on the room climate conditions), the covering has to be rolled cross-wise using a press-on roller weighing at least 50 kg.



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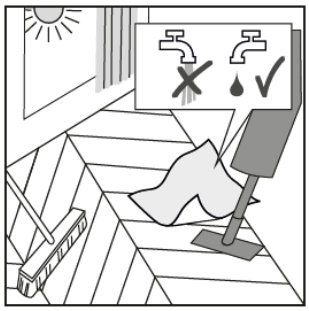
Cleaning:



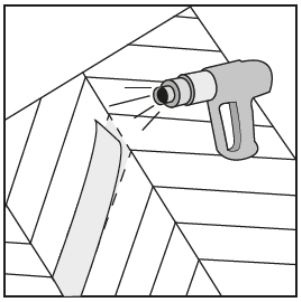
Only use a broom, vacuum cleaner or damp cloths for cleaning.

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.

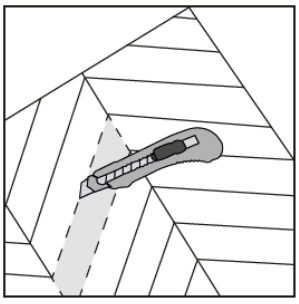
Further information about e.g. maintenance cleaning can be found in the cleaning and care instructions.

Repairs:



Design flooring 555 Evolut Chevron is easy to repair in the event of damage, since individual elements of the flooring can simply be replaced. We recommend the following procedure:

Use a suitable tool to heat the damaged element carefully. Make sure that the adjacent elements are not damaged by the heat. Then cut this heated area out. Now heat the initial area again. Use a suitable tool to move under the element and remove it. Do not damage the levelling mass in doing this. Please be particularly carefully in the edge areas in order not to damage the adjacent elements.



Remove the old adhesive completely from the substrate. The new adhesive is applied using a suitable notched trowel. Then place the element in the new adhesive bed, press it down carefully and then remove it again immediately. Insert the element again after a short flash-off time and use a suitable tool to roll it. Rolling must be repeated after about 30 minutes.

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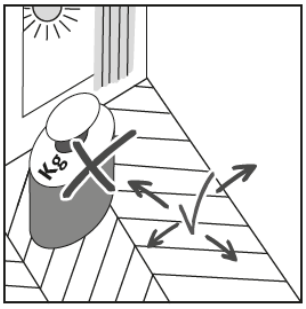
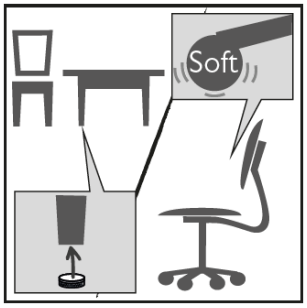
Important information:

Any movement joints present on site e.g. in areas with several heating circuits must be matched in the top flooring layer. These can be closed using joint profiles or flexible sealants.

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.

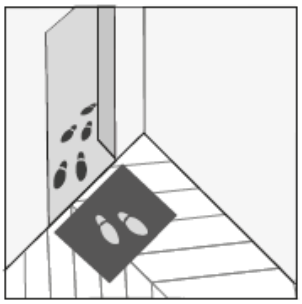


Where office chairs or objects on wheels are used, make sure suitable soft chair or furniture wheels (type W) are used. Fit suitable furniture pads to all (moveable) furniture to protect your floor from scratches.

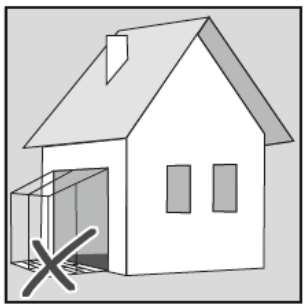


To maintain the value of your floor covering for a long time, we recommend the use of suitable anti-dirt mats in the entrance area and at patio doors. Note the respective manufacturer's specifications.

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. In areas where a higher temperature load or increased surface moisture is to be expected, 2-component adhesive should be used.



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

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