



BOEN

Installation Instruction
3-Layer Parquet
with Click profile
Glued installation

YOUR STYLE • YOUR FLOOR

General information

BOEN Parkett produces its parquet floors according to the European parquet standard EN13489 and EN14342, for use in interiors.

Depending on the format, the parquet elements are packed in a band of cardboard sleeve and sealed with a diffusion-inhibiting PE film.



Structure/ Plank formats

Length:	2200 mm
Width:	138/181/209 mm Plank 215 mm Strip
Thickness:	13,2/14 mm
Toplayer thickness:	ca. 2,7/3,5 mm
Middle layer:	8,8 mm Spruce
Underlayer:	1,7 mm Spruce

The planks are manufactured lengthwise and crosswise with a positive connection profile (Click).

Storage recommendation

Packages wrapped in PE film with cardboard banderole must be handled carefully to avoid damage. It is essential to protect the packages from moisture during storage, transport and before processing. The closed packages must be stored horizontally in absolutely dry rooms. The parquet must be stored 48 hours before installation in the room to be laid for acclimatization. Recommended storage temperature +18 °C, 35-60% RH. Do not open the packages immediately before laying.

Important installation instructions

BOEN parquet floorboards have been individually checked and sorted by our quality controllers. However, if there are any complaints regarding the sorting and/or visual defects, Complaints cannot be accepted once installation has started.

During installation, care must be taken to ensure batch uniformity and an even grading pattern. The more rustic the grading, the more packages must be opened to produce a uniform grading pattern. When laying, mix elements from several packages to create an optimal mixture from the natural color and grading spectrum. Please note that the result of the installed floor is the responsibility of the installer. The installation should according to the recognized technical rules and in compliance with the DIN standards - especially DIN 18365 "Floor covering work" and DIN 18356 "Parquet work", or the country-specific standards ÖNORM B 5236, SIA 253.

For an installation of BOEN parquet flooring it is necessary that the rooms are dry and heated. All exterior windows and doors must be installed and all masonry and screed work must be fully dry before installation. We recommend that work that negatively affects the dry room climate (e.g. painting, tiling) be completed before the parquet is installed.

If the humidity in the room is too high, excessive moisture absorption may occur, resulting in swelling and dimensional changes of the parquet strips. Therefore, it must be ensured that the relative humidity is below 75% during installation. Therefore, it is important to ensure that the relative humidity is below 75% during installation, 35-65% RH would be optimal.

The room air temperature should be at least 18 °C. The floor temperature should be approx. 18-22 °C with underfloor heating. During the winter months, it must be taken into account that e.g. longer transports may cause the packages to cool down. The material temperature should then be adjusted to the room temperature before laying in the unopened package. If the material temperature is below 15 °C, installation is not possible.

In general - but especially in new construction - it is always advisable to install the parquet as the last work step on the construction site. If this is not possible, the finished surface must be covered with paper, wool felt board or other suitable covering material for protection, but in no case with a diffusion-blocking foil.

Adhesive tapes for fixing covering material must not be glued directly onto the parquet surface, as this could damage the surface treatment.

Requirements for the subfloor

BOEN parquet planks can be glued to any properly prepared subfloor in accordance with DIN/EN standards or the country-specific ÖNORM B 5236 and SIA 253.

These include cement, anhydrite, mastic asphalt and dry screeds (mineral boards) as well as particleboard or plywood. The subfloor must be professionally tested before starting installation in compliance with the applicable standards. The substrate must meet the usual requirements for parquet installation (dry, level, solid, crack-free, clean, etc.). If one or more of these conditions are not met, appropriate pre-treatments must be carried out.

30-65% RH +18° - +28° C (+64,4° - +82,4° F)
← 2 m (6 3/4') → +/- 3 mm (1/8")
Max: 0.1m= +/- 0.5mm (1/64") 0.6m= +/- 1.0mm (3/64") 1.0m= +/- 1.5mm (1/16") 1.5m= +/- 2.0mm (5/64")

Special attention must be paid to evenness in accordance with DIN/ÖNORM 18202, Table 3, Line 4 (increased requirements). or SIA 414/2.

Deviations from this can lead to hollowing and noises (cracking, creaking) when walking on the floor, because the parquet floorboards cannot compensate for height.

Any deviations in the evenness of the surface must be evened out with suitable filler be leveled out. We recommend that you always work in a manufacturer's system of primer primer and filler. Existing resilient and textile floor coverings are not suitable not a suitable substrate and must be completely removed.

BOEN parquet floorboards are suitable for full-surface gluing on underfloor heating. The heat output of the heating system should not exceed 60W/m².

In very dry indoor climatic conditions, somewhat larger joints and cupping may occur in winter. Through humidification and maintaining a healthy indoor climate (20 to 22 °C and 35 to 45% humidity during the heating period) can counteract this phenomenon.

Hot water low-temperature floor heating systems are recommended according to EN/DIN 1264 with a maximum of 29 °C (Scandinavian markets. 27 °C, 80.6 °F) as the limit value for the surface temperature, whereby this temperature must not be exceeded in the peripheral zones. This also applies to electric floor heating systems with a gentle heating characteristic. Any kind of accumulated heat due to full-surface objects e.g. shelves, futon beds or carpets should be avoided. As a rule, significantly lower surface temperatures are advantageous, and for ecological and health reasons should be aimed for. These can be achieved by precise dimensioning and adapted control technology of the heating system. **If a surface heating system is also used for cooling, any condensation must be excluded. BOEN parquet planks must always be glued over the entire surface when surface cooling is used. In this case, please contact our Technical Support.**

The residual moisture of the subfloor and the necessary readiness for covering must be checked in accordance with the applicable normative specifications of DIN/SIA/ÖNORM and the state of the art.

Moisture values of screeds

Cement screed max. 2.0CM% (1.8CM% on underfloor heating)

Anhydrite screed max. 0.5CM% (0.3CM% on underfloor heating)

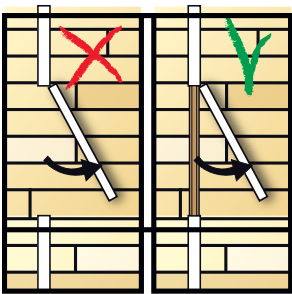
In principle, lower values should be aimed for.

For screed systems with chemical additives, e.g. accelerators, the respective manufacturer's instructions must be observed. Alternatively the corresponding humidity can also be measured for CM measurement. According to working instructions, TKB data sheet 18 (Max. 80 % unheated screeds, 75 % on underfloor heating).

The functional heating and the heating of the floor covering must be carried out in accordance with the normative specifications and must be documented in the corresponding protocols as proof. For screeds with chemical aggregates, the heating of the floor covering must be carried out in accordance with the manufacturer's instructions.

General installation instructions

BOEN parquet floorboards are not limited in area for full-surface gluing. Theoretically, areas of up to **500m²** are possible. The prerequisite for this is a continuous floor slab without construction joints (expansion joints). If such joints are present, they must be included in the top layer. Distances to walls or other should be dimensioned according to the size of the room and should be about 1.5mm/m laying width, but at least however, at least 10mm. In the area of doorways, the floor must be separated with an expansion joint. This can be covered with suitable transition profiles or closed with elastic sealing compounds.

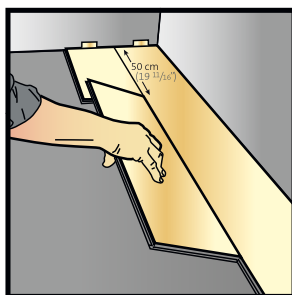
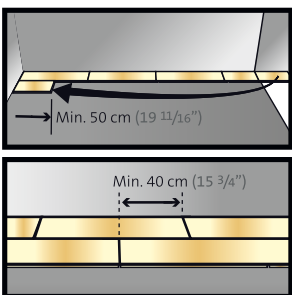


Parquet in narrow, long rooms, for example, hallways should not be laid in the transverse direction, but always in the longitudinal direction.

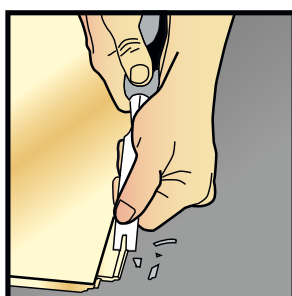
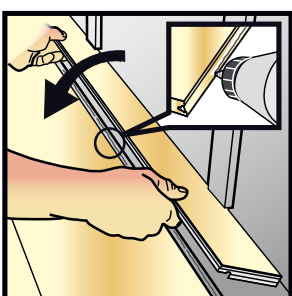
A tapping block for light re-tapping is usually not necessary. Care must always be taken not to damage the top layer.

Impacts on the top layer must be avoided at all costs. There should be sufficient offset of the earth joints of adjacent rows of planks. This should be at least 400 mm to ensure that the floor remains level in the event of fluctuations in the room climate.

Cut-off end pieces of a row of planks can be used as a starting element in the following row. Here the length should be at least 500 mm.

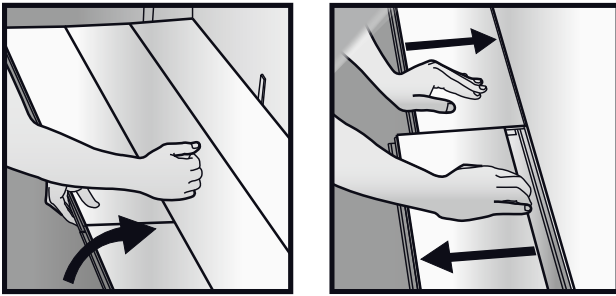


BOEN parquet with click connection do not require glue indication on the profiles. In certain cases, e.g. in the event of a required the element can simply be pushed in by removing the tongue on the groove cheek. In this case, glue must be applied in this area using suitable parquet glue.



If it is necessary to remove or dismantle parquet planks, a complete row of planks must be clicked out upwards. The parquet planks can then be pushed apart flat against each other.

Do not lift the planks in the process, as this may damage the cross profile.



Gluing

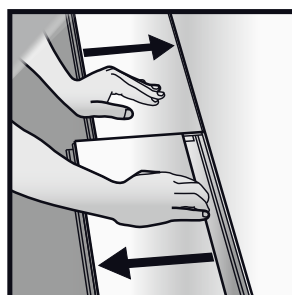
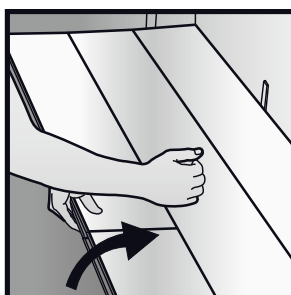
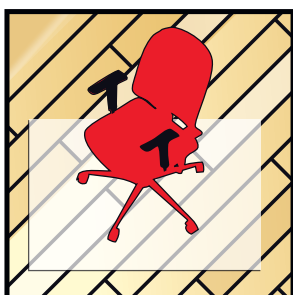
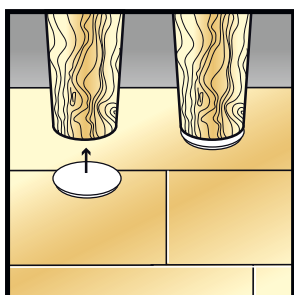
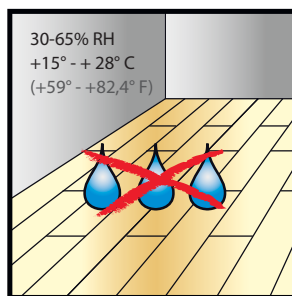
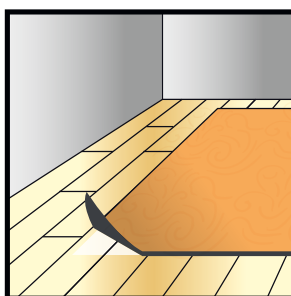
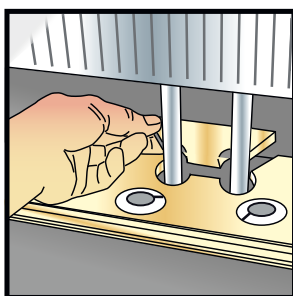
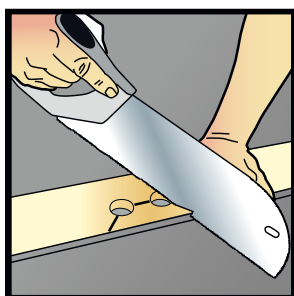
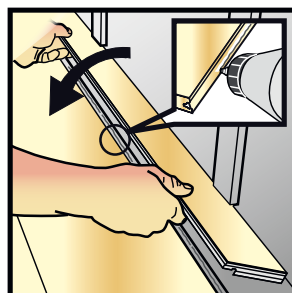
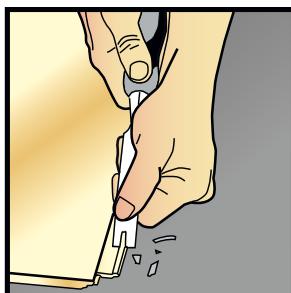
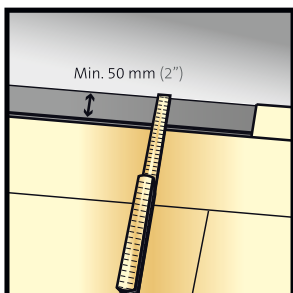
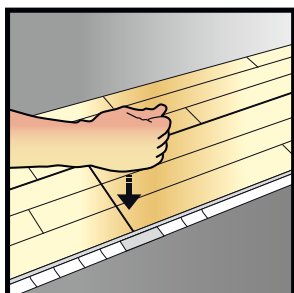
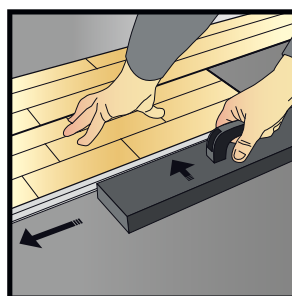
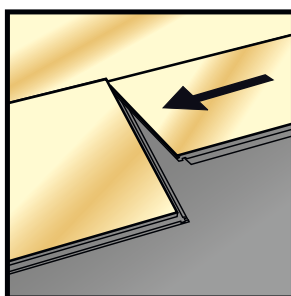
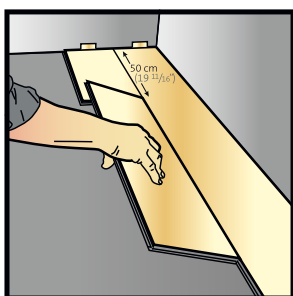
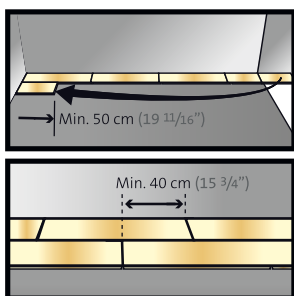
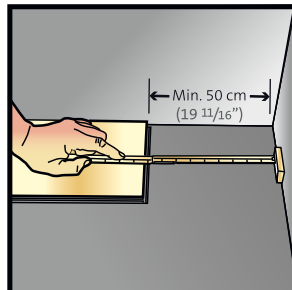
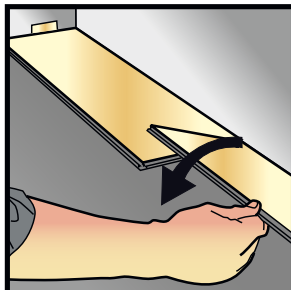
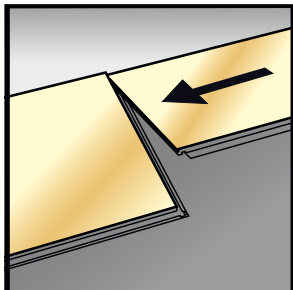
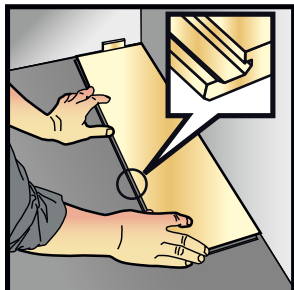
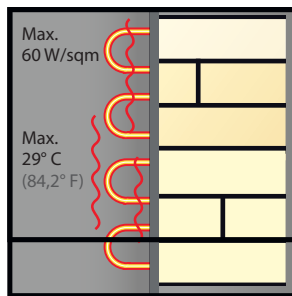
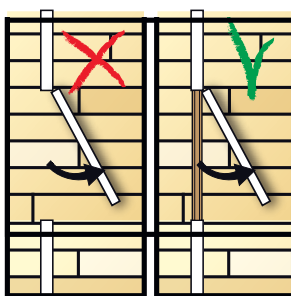
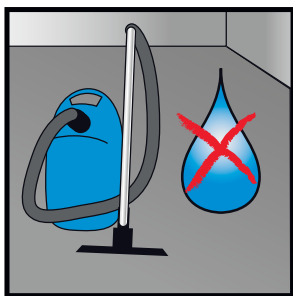
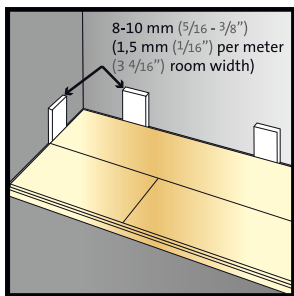
BOEN parquet floorboards are glued over the entire surface, without gluing within the connecting profiles. In principle, the choice of the adhesive type depends on the subfloor and the construction site conditions. Only parquet adhesives may be used. The adhesive is applied with a notched trowel. This ensures that the correct amount of adhesive is applied, depending on the type of adhesive. The adhesive must be applied evenly so that the bonding is not negatively affected.

As a general rule, the technical data sheets for the respective adhesives in conjunction with the processing instructions of the adhesive manufacturer must be strictly observed.

Only precoat areas as large as can be laid during the open time of the adhesive. Do not apply too much adhesive (e.g. to compensate for unevenness). For precise precoating, it is advantageous to mark reference lines. is advantageous.

The parquet planks are inserted by hand into the longitudinal profile and pressed into the adhesive bed. The surface of the parquet planks do not contaminate the surface of the parquet floorboards with parquet adhesive. Adhesive stains on the surface must be removed immediately with suitable cleaners.

The necessary distance from the wall must be maintained with wedges. These must be removed after installation, so that the parquet floor can adapt to the room climate and expand accordingly. The edge areas must be particularly pressed and/or loaded with particular care, as there are often unevennesses in the screed there. Freshly laid BOEN parquet floorboards should be walked on as little as possible for a few hours.



General notes

Wood is a natural product in which there may be differences in color and structure due to growth. Exposure to sunlight leads to a natural change in the color of the wood (darkening or lightening). In case of strong incidence of light, e.g. in the case of patio windows, these color changes can also occur partially. This process is particularly caused by the modern modern construction with floor-to-ceiling windows. Please ensure that the rooms remain at a constant temperature even after the installation is completed and that a constant room climate is maintained (see Installation on underfloor heating).

CAUTION! Carpet runners or bridges laid on the parquet, especially with insulating underlays (made of plastics, rubber, etc.), heat accumulation and discoloration may occur. **Look out for plasticizer-free products!**

Surface protection, cleaning and care

The surface of our BOEN parquet floorboards are either sealed with BOEN Live Matt, Live Matt Plus, Live Pure or oiled with BOEN Live Natural. The Live Matt, Live Matt Plus and Live Pure sealers we use are UV cured, scratch resistant and very durable. Our oiled surface is oxidatively cured. The oil gives the surface a subtle satin sheen and ensures that it is water repellent and stain resistant. Oiled floors require more intensive care than sealed floors.

Depending on the stress, the parquet is subject to natural wear. After installation, you should first care for the parquet floor with BOEN care products before using it for the first time. We recommend our special cleaning and care products for sealed and oiled BOEN parquet (see BOEN cleaning and care instructions).

<https://boen.com/en-us/technical/care-and-maintenance/>

Felt glides under furniture, table and chair legs, etc. prevent unnecessary scratches and impressions on the parquet surface. They must be periodically checked and if necessary cleaned or replaced.

