

Installing Bauwerk parquet – 3-layer

Installation instructions for Bauwerk 3-layer prefinished parquet (tongue-groove), complete gluing

Product description

Casapark 209/181/139

The surface of the elements is either nature oiled at the factory using oxidatively drying oil, or sealed with a protective acrylate finish. The edges are framed with precision tongue-and-groove joints. The parquet is full-area bonded to a suitable subfloor.

Suitable subfloors

3-layer prefinished parquet by Bauwerk can be installed onto appropriately prepared sublayers. These include: cement and calcium sulphate screeds, calcium sulphate flow screeds, wooden composite panels, poured asphalt, and dry screed elements. Please contact our Application Technology unit if gluing parquet onto old base surfaces. No elastic or textile floor coverings are an appropriate sublayer and must be removed without residue. The subfloor must meet the requirements for parquet installation (flatness, surface strength, absence of cracks, cleanliness, dryness, etc.) specified in the SIA 253, DIN 18365, Önorm B 5236, and DIN/Önorm 18202 standards, and must be inspected prior to installation.

The Bauwerk prefinished 3-layer parquet cannot help in levelling an uneven flooring base. These requirements must already be met by the subfloor. Unevenness beyond the permissible flatness tolerances must be levelled by filling. The flatness requirements according to SIA 501 414/2 and DIN/Önorm 18202, Table 3, Row 4 (for enhanced requirements) must be met.

Structural expansion joints or functional joints must always be kept in the surface covering. Depending on the size and shape of the room, additional expansion joints may be necessary. Contraction or working joints must be closed in a force-fitting manner prior to installation. These need not be kept in the surface covering.

Bauwerk prefinished 3-layer parquet is suitable for installation on subfloors with radiant heating systems. Therefore, the installation instructions must be carefully followed, being certain that the moisture level of the subfloor complies with the prescribed limits.

Moisture content value table

	SIA 253 and manufacturer's instructions	DIN 18365 / Önorm B 5236
Unheated cement screed	2,3 %	2,0 %
Heated cement screed	1,5 %	1,8 %
Unheated calcium screed	0,5 %	0,5 %
Heated calcium screed	0,3 %	0,3 %
The CM method is used as per TKB data sheet No 16		
Using the KRL method as per TKB data sheet No 18		
Unheated mineral base surface	max. corresponding relative air humidity 80%	
Heated mineral base surface	max. corresponding relative air humidity 75%	

Necessary tools

- Saw
- serrated trowel
- folding ruler
- guide slat or chalked string
- wood mallet
- weights
- damp cloth

Appropriate adhesive

We recommend using silane adhesives by Bauwerk. You can find the optimal adhesive in the table. The instructions for using the adhesive provided by the manufacturer must be strictly observed.

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Installation

The direction of parquet installation must be aligned with the source of daylight (or main source of light). Parquet planks must not be installed too snugly to the adjoining walls or fixed structural elements. A wall gap of approximately 10-15 mm should normally be maintained. In narrow rooms (like corridors), the planks must be installed longitudinally, with the minimum prescribed offset of 40 cm. Parquet must also be installed with an offset on small surfaces.

Applying the adhesive: spread the adhesive using a suitable serrated trowel, following the manufacturer's instructions. Only use the amount of adhesive that is necessary for installing the number of strips that can be laid in the time available, being certain to apply it evenly. Never use too much adhesive (e.g. in an effort to even out the surface). In order to achieve an exact spreading of the adhesive use reference lines.

Important installation tips

- Handle boxes containing prefinished 3-layer parquet carefully to avoid damaging the edges.
- Keep away from moisture.
- The packages must be acclimatised to the room prior to installation (approx. 24 hours), but must never be opened before installation.
- Bauwerk prefinished 3-layer parquet is a natural product. If the humidity level is too high, the floor will absorb too much moisture from the air, causing it to swell. Consequently, installation should not be performed in rooms with more than 75% relative air humidity.
- The room temperature during installation must be at least 18 °C, and the temperature of the material and the floor must not go below 15 °C.
- Cut-offs from the last strips installed on the end of each row may be used again on the opposite wall, to start the new row. The offset between the end joints in adjacent rows must be at least 40 cm.
- We recommend additional h-bonding if the parquet is installed on top of underfloor heating. The tongue-groove joint on the narrow side of the plank is additionally bonded with white glue over an area covering at least 10 cm of the long edge.
- Lay the strip diagonally into the adhesive bed at a distance of approx. 0.5 cm, sliding them into their final position by applying pressure with the hand. Prior to final installation, the planks are inserted obliquely approx. 0.5 cm into the adhesive bed and then pushed in with hand pressure. The groove side in the first row of planks must be aligned absolutely straight to the side of the wall. If a hammering block is used for additional gentle tapping, please ensure that the top layer is not damaged in any way. Hits to the top layer must always be avoided. Wedges must be used to maintain the required wall gap. After installation, they must be removed, so that the parquet floor can properly adapt to the room climate and expand.
- Carefully press down on the side areas, even with the use of weights, since this is the point where the subfloor's irregular areas are most clearly noted. To ensure precise bonding, use suitable weights during the adhesive drying process.
- Prefinished, 3-layer parquet surfaces should not be walked on during the first few hours after installation.
- The installation of prefinished, 2-layer parquet should be the last construction activity to be performed on site. If this is not possible, the installed floor should be appropriately protected using cardboard or other similar material.
- Be certain that any adhesive tape used for fastening the materials used to protect the floor do not come into contact with the surface as they could damage the parquet finish.
- Check the parquet elements for visible defects or damage in natural lighting. Do not install elements with visible defects or damage.

When installing, pay attention to batch consistency and even wood grading appearance. The more rustic the grading is, the more packages must be opened to create an even grading appearance. Deviations from our grading classes must be claimed before installation. For this, check our grading pictures on bauwerk-parkett.com, or if in doubt, contact your contract partner. No claims will be accepted for installed elements with optical defects.

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General instructions

- For those types of wood, which expand and contract considerably (such as beech), larger gaps can appear in winter. By humidifying the air and maintaining a healthful room climate (20 to 22 °C (68°–72°F) and during heating period 35 to 45% humidity), you can reduce the amount of this contraction.
- Intense sunlight can lead to a natural change in the colour shading of the wood.
- To keep the parquet clean, be certain to place rugs and doormats near the entrance.
- The use of adhesive felt pads beneath chairs, tables and chairs will prevent scratches and unsightly marks from appearing on the parquet surface.
- Place a clear plastic mat beneath the wheels of office chairs to protect the floor from localised wear.

Please see our additional information sheets about installation on top of underfloor heating/cooling systems, cleaning and care, and preparation of the base surface in the Bauwerk competence section at bauwerk-parkett.com

Installation of Bauwerk Casapark (tongue and groove)

