

# Installation instructions

## Bauwerk 3 mm ambient and impact sound mat

The Bauwerk ambient and impact sound mat is an elastic sub layer intended for impact sound absorption and isolation under pre-finished parquet in accordance with EN 13489. The panels consist of a mineral layer in the middle and a layer of fleece applied on both sides. The Bauwerk ambient and impact sound mat can be used with the floating installation or full-surface bonding of Bauwerk's pre-finished parquet **(not suited for the full-area bonding of solid parquet, on edge, Unicopark and Spinpark)**.

The Bauwerk ambient and impact sound mat is intended for regular intensity use in living spaces. If used in low-traffic commercial spaces, avoid heavy rolling loads. Slight creaking noises can arise at high loads due to the elastic properties of the product.

The Bauwerk ambient and impact sound mat improves walking comfort and reduces the ambient sound in the room by as much as 20%.

### Product data

Product number	1015 9339
Dimensions	750 × 500 mm
Packing unit	16 pads per package (6 m <sup>2</sup> per package, 30 packages = 180 m <sup>2</sup> per pallet)
Surface weight	ca. 3 kg/m <sup>2</sup>
Heat conductivity	0.01 m <sup>2</sup> K/W
Impact sound improvement rate	up to 18 dB (+/-2dB) as per EN 16251-1

*The impact sound value specified was determined under standard conditions. Due to the different acoustic properties of every individual building, of the parquet and the wood type in question, and of the climatic conditions, the value does not match the actual on-site conditions. An on-site measurement is required to determine the impact sound improvement rate actually achieved.*

SD value	no vapour diffusion resistance
CS value	up to 8 t/m <sup>2</sup> compressive strength (240 Pa. 0.5 mm as per DIN/EN 826)
CC value	20 kPa as per EN 16354
DL value	2,500,000 cycles as per EN 16354
PC value	approx. 1.35 mm at individual points as per EN 16354
Fire behaviour	Bfl-S1 as per EN 13501-1 (without upper lining)
Storage	keep away from moisture and sunlight.
Contents	90% mineral and PUR binding agent. Does not contain asbestos, formaldehyde, halogens, or heavy metals.

### Suitable base surfaces

Cement screed, calcium sulphate (floating) screed, cast asphalt screed, newly installed particle boards (P4-P7) or OSB wooden composite panels (OSB 3, 4), prefabricated plaster-fibreboard screed.

The base surface must be flat, stable, dry, and clean. If full-area bonding is used, there must be no substances reducing adhesion on the base surface. Cement and calcium sulphate screeds must be sanded and vacuumed. Cast asphalt must be sufficiently sanded and have a standard-compliant edge joint.

The subfloor must meet the requirements for parquet installation specified in the SIA 253, DIN 18365, Önorm B 5236, and DIN/Önorm 18202 standards, and must be inspected prior to installation.

### Working with the product

Before installation, the panels must be acclimatised to the climate of the room (for at least 24 hours). The work must be done at an indoor temperature of at least 18 °C and a material temperature of at least 15 °C. The relative air humidity during installation must be between 35 and 75%. The printed side (with the Bauwerk Parkett logo) of the panel must face upwards.

With full-area bonding, the same adhesive must be used both for the panel and for the pre-finished parquet installed. We recommend using only the Bona Quantum or Bona Titan adhesive.

Apply the adhesive with the Bauwerk Type 2 toothed spatula, or according to TKB B 10 or TKB B 11-TKB B 13, depending on the composition of the base surface. Depending on the type and the state of the base surface, priming it with Bona R 590 or R 540 may be necessary. Follow the corresponding handling instructions of the

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adhesives and primers! Bauwerk Parkett does not take any liability for adhesives and primers made by other manufacturers. An edge gap of at least 5 mm must be kept from all adjoining components. The panels must be installed in a pattern with an offset, aligned perpendicularly to the elements of the pre-finished parquet.

There must be no cross seams in the panels. The panels can be easily cut with a trapezoidal cutter knife. With bonding, the panels placed onto the adhesive must be gently rolled on, or rubbed in with a wooden pressing block. Installation on top of the panels can take place after about 24 hours.

The Bauwerk ambient and impact sound mat is intended for installation on underfloor heating. The prescribed room climate conditions must be especially observed with full-area bonding and 2-layer pre-finished parquet. During the heating period, a healthy room temperature of 20–22 °C and a relative humidity of at least 35–45% is recommended. Within these ranges, the phenomena typical of wood, like the formation of gaps and cupping, only manifest themselves to a moderate degree. Prolonged deviations from these values can lead to excessive changes in seams, cracking, creaking noises, and deformations. See our additional information sheets covering the installation of underfloor heating and base surface preparation in Bauwerk competence.