

PARQUET GLUE DOWN INSTALLATION INSTRUCTIONS



Parquet
Showing character.

1. Advantages of glue down installation

The level of development in adhesive technology for wood floors makes it possible to glue parquet flooring reliably to the subfloor. The higher level of dimensional stability achieved by gluing increases the durability of the floor and allows frequent refurbishing.

Gap formation is minimised due to shear-resistant bonding with the subfloor, which makes the parquet floor smoother and ambient sound when walking on the floor is noticeably reduced. The bond with the heating screed enables better heat transfer.

2. General information

For the reasons listed in 1. we recommend gluing ter Hürne parquet floors on warm water based floor heating systems.

For glue down installation, we refer you to the processing requirements according to DIN 18356, German construction contract procedures (VOB) - Part C „Parquet Flooring Installation“ and our installation instructions as well as the information in the TKB leaflet “Gluing Parquet Flooring“.

We recommend the use of SikaBond adhesives and system components for the preparation of the subfloor, as they are optimally matched to the ter Hürne products and properly tested. You should always consult your specialist dealer about the use of SikaBond products. The manufacturer’s technical leaflets and installation instructions must also be consulted (www.sika.de).

3. Glue down procedure

3.1 Tools and accessories

You will need the following tools and equipment for glue down installation on site:

From the ter Hürne range:

- a) Sika Level-01 Primer
- b) SikaPrimer MR-Fast
- c) Levelling compound Sika Level-300 Extra
- d) Adhesive SikaBond-T54 FC or SikaBond-T40
- e) Toothed spatula B11 to apply the adhesive
- f) Sika TopClean cloths to remove soiling caused by sealant and adhesive residues before hardening

- g) Professional installation iron
- h) Spacer wedges

Miscellaneous – not in the ter Hürne range:

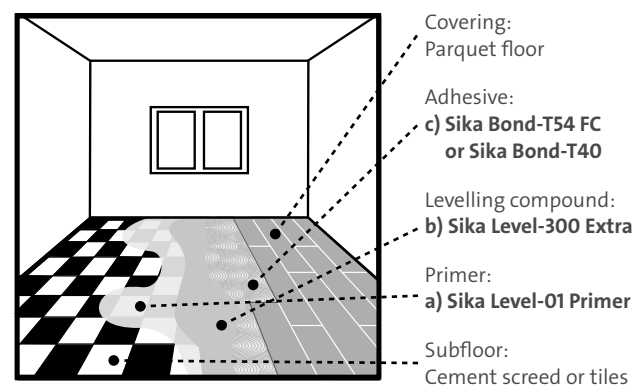
Trowel for adhesive application, hammer, tapping block, ruler or tape measure, pencil, carpenter’s square, spirit level, plumb line/chalk line, saw or cutter.

3.2 Preparation of the subfloor

Before commencing application of the adhesive onto the subfloor, you must check whether the subfloor is ready. Only if the subfloor preconditions have been complied with (refer to **“Important Information on Subfloor Preconditions”**) can the following installation sequence proceed.

Before the application of the parquet adhesive, the subfloor must always be permanently dry, level, firm, free of cracks and free of substances which could affect the performance of the adhesive. Subfloors such as cement screed, calcium sulphate screed (anhydrite) or cement subfloors as well as glazed (old) tiles must always be ground off to achieve a firm surface with a good grip. Subsequently they must be thoroughly cleaned with an industrial vacuum cleaner. Dry screed made of chipboards, OSB boards or plasterboards must be permanently connected or screwed to the subfloor before application of the adhesive and also vacuumed or ground off if required. The surface of poured asphalt only has to be vacuumed off.

3.3 Application sequence of the SIKA adhesive products for gluing



Sample construction

3.4 Primer

As a rule all parquet adhesives recommended by us can be used without primer on cement subfloors and calcium sulphate screed (anhydrite). A primer or moisture barrier must be applied in advance in case of excessive subfloor humidity, insufficient subfloor firmness or other surfaces which do not meet the requirements. As a system provider in the LVT and parquet floor sector, ter Hürne offers various, optimally matched products in its range to resolve such situations.

▪ Sika Level 01-Primer

Product description: Primer, sealant and bond enhancing, acrylic water based dispersion for absorbent and non-absorbent subfloors applied prior to filling and levelling work.

Attention: The Sika Level 01-Primer cannot be used as primer for SikaBond adhesives. Further information can be found in the product data sheet.

▪ SikaPrimer MR Fast

Product description: Primer for gluing parquet floor on difficult subfloors. Suitable as surface densification with SikaBond parquet adhesives and as base coat for concrete, cement, gritted poured asphalt and old subfloors as well as moisture barrier.

3.5 Subfloor levelness

Levelling compound Sika Level-300 Extra

▪ **Product description:** Sika Level-300 Extra is a universally applicable, one-step floor levelling compound for levelling and smoothing screed and cement floors with thicknesses of 0.5-15 mm. Before application of the Sika Level-300 Extra, absorbent subfloors must be primed with the Sika Level-01 Primer. Sika Level-300 Extra is suitable for use on underfloor heating systems.

3.6 Glueing down the boards

If the space situation allows it, the installation of the floor should start at the wall opposite the entrance. This avoids point loading and excessive soiling of the floor during hardening. It is best to prepare the first three rows by laying them dry and adjusting them to the course of the wall. In doing so, it is possible in advance to mix colour nuances of single boards if required, to detect and sort out damaged boards if required as well

as to use characteristic growth abnormalities and knots as initial or end pieces.

The surface to be glued should be marked out with a chalk line and after removing the rows again the gluing process can begin. The adhesive should be applied using a trowel and should be evenly distributed over the whole subfloor with the help of a toothed spatula.

Then the first row of prepared boards is placed on the glue and tapped well. Please make sure that, depending on the product, the right profile side for further installation is pointing towards you.

It is imperative to maintain a distance to the wall of at least 10 - 15 mm with the use of spacer wedges. These can be removed upon completion of the installation. Then the next two prepared rows can be placed on the glue.

In order to obtain an optimal connection of the long sides of the boards we recommend, depending on the parquet profile, the use of an appropriate tapping block. Place it at various points along the board to be installed and tap it carefully with a hammer, until you obtain a closed joint.

For the rest of the installation process we recommend the preparation of the next three rows following the same method as described, preparing them and placing them on the glue. This process has to be continued until you reach the end of the room. A different parquet installation procedure may possibly be required to facilitate tap-in header connections.

Avoid unnecessary breaks during the installation process, as it is only possible to work with the adhesive for a limited period of time.

If glue residues accidentally come into contact with the body, they should be cleaned off immediately to avoid further soiling of clothes and material. Soiling by glue on the elements must be removed immediately using Sika TopClean cloths.

It is important to check that the elements are firmly adhered to the glue until dry. If necessary some places can be weighted.

The last row must be cut with the minimum distance of 10 - 15 mm and adapted to the course of wall. Once this has been done the adhesive can be applied. The last row of boards can be installed neatly with a pull bar/installation iron.

Inspect the whole surface to check if there is any soiling caused by glue residues. The glue can only be removed completely by the TopClean cloths while it is still fresh.

▪ **SikaBond-T54 FC**

Product description: SikaBond-T54 FC is a quick-hardening, single-component, solvent-free and elastic parquet adhesive. It enables fast and reliable gluing of parquet elements. Particularly suitable for reactive wood types such as beech and maple, smoked and thermo-treated woods as well as for many exotic woods. Coverage: approx. 800-1000g/m² with recommended spatula tooth size B11. The surface can bear weight or be ground after 12 hours. SikaBond-T54 FC is suitable for use on underfloor heating systems.

▪ **SikaBond-T40**

Product description: SikaBond-T40 is a single-component, solvent-free and elastic adhesive solely for gluing multi-layer parquet flooring. SikaBond-T40 enables fast and reliable gluing down of multi-layer parquet flooring. Use: approx. 700-800 g/m² with recommended spatula tooth size B11. The surface can bear weight or be ground after 24 hours. SikaBond-T40 is suitable for the use on underfloor heating systems.

Note:

Our technical usage instructions written or verbal, in general, in the installation instructions, in the technical information sheets and in all brochures are based on experience and to the best of our knowledge, however they do not imply any liability. Due to the many varied application possibilities it is not possible to describe all details. ter Hürne therefore does not accept any liability arising from the use of these instructions.

These instructions can be amended at any time without notice in line with technical advances.