

SYSTEM DATA SHEET

Sika® AcouBond® System

Impact sound reducing system for wood flooring

PRODUCT DESCRIPTION

Adhesive system for laying parquet strips, composed of the system products Sika® Layer-03 and Sika® Layer Silent as well as SikaBond®-52 Parquet and SikaBond® AT-82 N.

USES

- For gluing 3-ply parquet in strips and selected solid parquet to appropriate substrates (see processing instructions section)
- To improve the impact sound rating

CHARACTERISTICS / ADVANTAGES

- Impact sound reduction in accordance with EN ISO 10140 up to 15 dB (please note "Important Considerations")
- Low adhesive consumption
- Broad spectrum of uses
- Can be used without primer on many substrates
- Simple and secure gluing with pre-defined gluing grid
- Increased tread comfort

ENVIRONMENTAL INFORMATION

SikaBond®-52 Parquet

- EMICODE EC1^{PLUS}, very low emissions
- LEED® EQc 4.1

SikaBond® AT-82 N

- EMICODE EC1^{PLUS}, very low emissions

APPROVALS / STANDARDS

Sika® AcouBond® system with SikaBond® AT-82 N and Sika® Layer Silent

EMPA, Dübendorf (CH): Impact sound measurement (impact sound insulation 14 dB) - test report no. 5214019884

Sika® AcouBond® system with SikaBond®-52 Parquet and Sika® Layer-03

EMPA, Dübendorf (CH): Footfall sound measurement (footfall sound insulation 15 dB) - test report no. 5214019884

Sika® AcouBond® system with Sika® Layer-03

Sound Transmission Class 60: RAL -TL01-222 USA Reduction of Impact Sound Lw 16 dB - Report 00A730e

SYSTEM INFORMATION

Composition

Sika® Layer-03:	PE foam
Sika® Layer Silent:	Recycling foam
SikaBond®-52 Parquet:	<i>i</i> -Cure™ polyurethane
SikaBond® AT-82 N:	Silane-terminated polymer

PRODUCT INFORMATION

Packaging	Sika® Layer-03:	Roll	1.00 x 12.5 m
	Sika® Layer Silent:	Roll	1.00 x 20.0 m
	SikaBond®-52 Parquet:	Unipacs	600 ml, 1 800 ml
	SikaBond® AT-82 N:	Unipacs	600 ml, 1 800 ml
Shelf Life	Sika® Layer-03, Sika® Layer Silent:	Stored in dry conditions: Unlimited	
	SikaBond®-52 Parquet, SikaBond® AT-82 N:	In unopened original packaging: 12 months from date of production	
Storage Conditions	Storage temperature between +5 °C and +25 °C. Store cool and dry. Protect against direct sunlight and frost.		

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be ready for laying, i.e. level, firm, clean, dry and dust-free. The requirements according to local standards apply.

Concrete, cement screed

Grind surface, e.g. with a single disc grinding machine, until the surface is firm and non-slip and clean thoroughly with an industrial vacuum cleaner.

Calcium sulphate screed, calcium sulphate self-leveling screed

Grind surface, e.g. with a single disc grinding machine, until the surface is firm and non-slip and clean thoroughly with an industrial vacuum cleaner shortly before applying adhesive.

Glazed ceramic tiles

Degrease with Sika® Aktivator-205 or grind surface and clean with an industrial vacuum cleaner.

Dry floor constructions, e.g. wood or plasterboard (chipboard, veneer)

For gluing solid parquet flooring, you need two floating layers of chipboard or OSB boards, offset, glued and screwed together (minimum layer thickness 25 mm). Floating dry floor constructions must have a minimum coating thickness of 22 mm. Otherwise screw or glue these constructions to the substrate so that they are firmly and securely seated.

Other substrates

Please contact Sika Technical Service.

Sika® AcouBond® System can be used without primer on (ready to install) cement screeds, calcium sulphate screeds, sanded mastic asphalt, chipboard V100, concrete and ceramic tiles.

Pre-treat cement screeds with high moisture content and substrates bearing traces of old adhesive with Sika® Primer MB, Sika® Primer MB Rapid or Sika® Primer MR Fast.

Cement-based substrates with excessive residual moisture and substrates with old adhesive residues should be pre-treated with Sika® Primer MB, Sika® Primer MB Rapid or Sika® Primer MR Fast.

For further information, consult corresponding product data sheet or contact [the local Sika technical service](#).

APPLICATION

Lay Sika® Layer-03 and/or Sika® Layer Silent parallel to the parquet laying direction on the prepared surface. Ensure that the individual strips are pushed tight together but never overlapping.

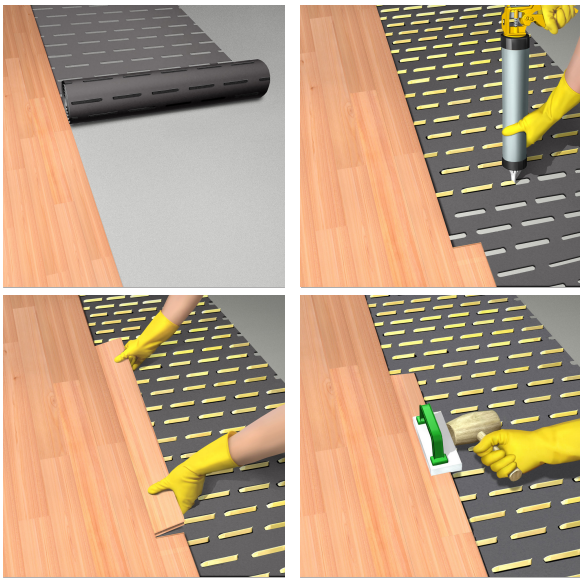
Respectively an applicator gun for tubular bags or for cartridges is needed for use of the adhesive. Apply adhesive with manual, rechargeable or compressed-air gun into all designated mesh slots. Keep the application nozzle vertical to the substrate.

Important: Bead dimension must be 10 * 8 mm. Never apply adhesive to the mat between the slits.

Adjust parquet elements and then push into the adhesive until they are resting fully on the respective Sika® Layer Mat. The parquet elements can then be tapped with a hammer and block until they are laid tightly together.

The distance to the wall must be at least 1 - 2 cm depending on type of parquet and room size.

The laying instructions of the wood manufacturer must be taken into consideration.



Limits

Sika® AcouBond® System is ideal for gluing 3-ply parquet and selected, non-swelling solid parquet, e.g. Oak, Douglas fir, Merbau, Jatoba, Iroko, Elm or Wenge, in the following dimensions:

3-ply parquet (Tongue and groove join) (DIN EN 14389)

Length:	≥ 300 mm
Width:	≥ 50 mm
Thickness:	≥ 12 - 28 mm

Strip parquet, parquet strip (Tongue and groove join) (DIN EN 13226)

Length:	≥ 300 mm
Width:	Width/thickness ratio: max. 4:1
Thickness:	≥ 15 mm

Solid boards

Length:	≤ 2 400 mm
Width:	≤ 180 mm (width/thickness ratio: max. 8:1)
Thickness:	15 - 22.5 mm

CLEANING OF TOOLS

Clean application equipment immediately after use with Sika® Remover-208. Once cured, material can only be removed mechanically.

For cleaning skin, use Sika® Cleaning Wipes-100.

If the parquet surface is soiled before the application, check its compatibility.

LIMITATIONS

The values determined within the scope of the EMPA (Swiss materials research organisation) measurements for impact sound level reduction are purely standard values according to EN ISO 10140. The actual impact sound reduction depends on the respective local circumstances (e.g. slab construction) and can only be determined after test gluing of samples followed by measurement.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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