

SYSTEM DATA SHEET

Sika® AcouBond® System

Impact sound reducing system for wood flooring

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.

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

PRODUCT INFORMATION

Packaging	Sika® Layer-03	Roll	1.5 x 16.7 m (25,02 m ²)
	Sika® Layer Silent*	Roll	1.00 x 20.0 m
	SikaBond®-52 Parquet:	Unipacs	600 ml, 1800 ml

* Not on stock in DK

Shelf life	Sika® Layer-03, Sika® Layer Silent:	Stored in dry conditions: Unlimited
	SikaBond®-52 Parquet	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.
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SUSTAINABILITY

SikaBond®-52 Parquet

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

APPROVALS / CERTIFICATES

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-Cure™ polyurethane

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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

Clean and apply 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.

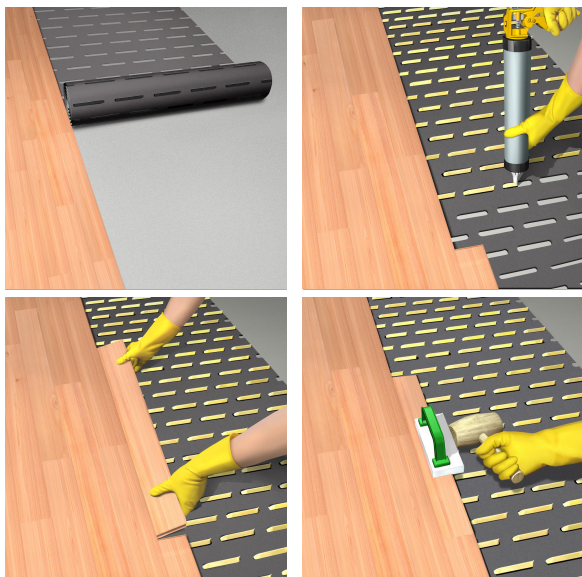
Adjust parquet elements and then push into the adhesive until they are resting fully on the respective Sika® Layer Mat. The parquet elements can then be tapped with a hammer and block until they are laid tightly together.

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.

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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 EQUIPMENT

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.