



## PRODUCT DATA SHEET

# SikaBond®-52 Parquet

Elastic Bonding and Acoustical Dampening for Wood Floors

### PRODUCT DESCRIPTION

SikaBond®-52 Parquet is a 1-component, solvent-free, wood flooring adhesive with good initial tack and low sag flow.

### WHERE TO USE

SikaBond®-52 Parquet is designed for full surface bonding with SikaBond® Dispenser:

- Solid and engineered wood floors, mosaic parquet, industrial parquet, lam parquet and chipboard floor systems and underlayments.

SikaBond®-52 Parquet is designed for use with the Sika® AcouBond®-System and beaded application:

- Solid wood boards, 3-ply engineered wood and chipboard floor systems and underlayments.

SikaBond®-52 Parquet is especially designed for use with challenging wood.

### CHARACTERISTICS / ADVANTAGES

- Floors can be sanded after 12 hours
- Very low emissions
- Suitable for in-floor radiant heat installation
- Reduces stress transfer between the wood floor and the substrate
- Suitable for bonding directly onto old ceramic tiles
- Elastic
- Footfall-sound dampening properties
- Adhesive can be sanded

### ENVIRONMENTAL INFORMATION

- LEED® EQc 4.1
- SCAQMD, Rule 1168
- BAAQMD, Reg. 8, Rule 51

### PRODUCT INFORMATION

<b>Composition / Manufacturing</b>	i-Cure Technology polyurethane
<b>Packaging</b>	600 mL foil pack / (20 US fl. oz) 20 foil packs per box 1800 mL foil pack / (60 US fl. oz) 6 foil packs per box
<b>Colour</b>	Parquet brown
<b>Shelf Life</b>	SikaBond®-52 Parquet has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
<b>Storage Conditions</b>	SikaBond®-52 Parquet shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C ( 41°F and 77 °F)
<b>Density</b>	1.30 kg/L approx. (ISO 1183-1)

### TECHNICAL INFORMATION

Shore A Hardness	35 approx. (after 28 days)	(ISO 868)
Tensile Strength	1.4 MPa approx. (203 psi)	(ISO 37)
Elongation at Break	600 % approx.	(ISO 37)
Shear Strength	1.1 MPa (159 psi) approx., 1 mm (3/64 in) adhesive thickness	(ISO 17178)
Service Temperature	+5 °C to +40 °C (41 °F to 104 °F)	

## APPLICATION INFORMATION

Consumption	<p>Sika® AcouBond®-System:</p> <ul style="list-style-type: none"> <li>▪ Approx 1.24 m<sup>2</sup> (13.4 ft<sup>2</sup>) per 600 mL sausage (1 box of 20 x 600 mL sausages covers 25 m<sup>2</sup> (269 ft<sup>2</sup>)). 1 box of 20 x 600 mL SikaBond®-52 Parquet sausages is required for every 1 roll of SikaLayer®-03. All cut-outs must be filled. Use application tip with triangular cut-out to an 8 x 10 mm (0.32 x 0.4 in) opening.</li> </ul> <p>Full Surface Bonding with SikaBond® Dispenser:</p> <ul style="list-style-type: none"> <li>▪ For full surface bonding with the SikaBond® Dispenser please refer to the Method Statements of the SikaBond® Dispenser series.</li> </ul> <p>Beaded Application:</p> <ul style="list-style-type: none"> <li>▪ 44 mL approx. (1,55 oz) per running meter consumes 250–500 g/m<sup>2</sup> (0,56-1,12 oz per ft<sup>2</sup>) depending on bead spacing (solid wood boards, 3-ply engineered wood, chipboards).</li> </ul> <p>For substrates primed with Sika® Primer MB, the consumption of SikaBond®-52 Parquet may be reduced.</p>
Sag Flow	<p>SikaBond®-52 Parquet maintains stable trowel marks. SikaBond®-52 Parquet is easily applied using guns or SikaBond® Dispensers.</p>
Ambient Air Temperature	+15 °C to +35 °C (59 °F to 95 °F)
Relative Air Humidity	40 % to 70 %
Substrate Temperature	<p>During laying and until SikaBond®-52 Parquet has fully cured, the substrate and ambient temperatures shall be between +15 °C and +35 °C (59 °F and 95 °F) without and between +20 °C and +35 °C (68 °F to 95 °F) with underfloor heating.</p>
Substrate Moisture Content	<p>Permissible substrate moisture content of the concrete substrate without underfloor heating using Tramex method: 4 % Permissible substrate moisture content for use with underfloor heating: 3 % <b>Note:</b> For all moisture contents, the quality of the substrates and surfaces, always follow the guidelines of the wood flooring manufacturer</p>
Curing Rate	4 mm / 24 hours [+23 °C (73 °F) / 50 % R.H.]
Skin Time / Laying Time	60 minutes approx. (+23 °C (73 °F)/ 50 % R.H.)

## BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

## OTHER DOCUMENTS

- Safety Data Sheet
- Pre-treatment Chart Sealing and Bonding
- Method Statement "Full Surface Bonding"
- Method Statement "SikaBond® Dispenser"

## LIMITATIONS

- SikaBond®-52 Parquet is only suitable for use by professional wood floor applicators.
- For good workability, the adhesive temperature shall be  $\geq +15\text{ }^{\circ}\text{C}$  (59  $^{\circ}\text{F}$ ).
- For proper curing of the adhesive, sufficient ambient humidity / moisture is necessary.
- A preliminary adhesion test is necessary before any application on glazed tiles.

For the Sika® AcouBond-System, Beaded Application, Accurate tongued and grooved floors, the following limitations apply:

- Minimum wood size: length 300 mm (12 in) (over 3 adhesive beads), width 50 mm (2 in), thickness 12 mm (1/2 in)
- Maximum wood size: thickness 28 mm (1 3/32 in)
- Concrete slabs that are in contact with the soil must be placed over a vapour barrier. The vapour barrier must be resistant to deterioration as well as to puncture during construction, and must remain intact and be continuous under the entire slab.
- Before wood floors may be installed in non-insulated areas, such as basements or other areas without a damp proof membrane, Sikafloor® EpoCem must be applied and sealed with Sika® Primer MB to control the moisture. For detailed instructions, contact Sika Canada.
- For use with chemically pre-treated types of wood floors (e.g. those produced or treated with ammonia, wood stain, timber preservative) and woods with a relatively high oil content, SikaBond®-52 Parquet is only to be used with the written agreement of Sika Canada's Technical Service Department.
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and other similar plasticized synthetic materials.
- Some other floor priming materials can negatively influence the adhesion of SikaBond®-52 Parquet (pre-trials recommended).
- SikaBond®-52 Parquet is designed as a wood floor bonding adhesive. When laying parquet type wood floors without tongued and grooved joints, e.g. mosaic parquet floors, avoid the wood floor adhesive extruding into the joints between the wood pieces.
- Avoid contact between any wood surface sealer coatings and adhesive. However, if direct contact with the adhesive is unavoidable, then the compatibility must be checked and confirmed before use of any coatings. For further information and advice, contact Sika Canada.
- Do not expose uncured SikaBond®-52 Parquet to alcohol containing products as they may interfere with the curing reaction.
- For further information and advice, contact Sika Canada.

## ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS

provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

For the application of SikaBond®-52 Parquet all standard construction guidelines are relevant. For further information, please refer to the Method Statements "Full Surface Bonding" and "SikaBond® Dispenser".

### SUBSTRATE PREPARATION

Preparation is a critical step in the installation process and will ensure a successful long term tenacious bond. All substrates must be structurally sound, clean, dry, smooth, free of voids, projections, loose materials, oil, grease, sealers and other surface contaminants or any contaminants or conditions that may affect adhesion or overall product performances. They should be thoroughly cleaned with an industrial vacuum scrubbing the surface with a brush attachment. Remove laitance or weak areas mechanically. For application over ceramic tiles it is necessary to grind tile surfaces and clean thoroughly with an industrial vacuum. For substrates with old, well bonded adhesive or adhesive residue, use Sika® Primer MB<sup>CA</sup>. Refer to Sika® Primer MB<sup>CA</sup> data sheet for installation instructions and proper details.

### APPLICATION METHOD / TOOLS

#### Sika® AcouBond®-System:

- For detailed application instructions refer to the Product Data Sheet for the Sika® AcouBond®-System, or contact Sika Canada.

#### Full Surface Bonding with SikaBond® Dispensers:

- SikaBond®-52 Parquet is applied to the prepared substrate directly from SikaBond® Dispensers. Press the wood floor pieces firmly into the adhesive so that the wood floor underside is completely covered with the adhesive. The pieces can then be joined together using a hammer and an impact block. Many types of wood floors also have to be tapped into position from above. A distance of 10–15 mm (3/8 in - 5/8 in) from the wall to the wood floor must be maintained. For detailed application instructions refer to the Product Data Sheet for the SikaBond® Dispensers, or contact Sika Canada.

#### Beaded Application:

- After inserting a sausage into the gun, extrude a triangular shaped bead of adhesive approximately 10 mm (3/8 in) high and 8 mm (5/16 in) wide (depending on the wood floor type) on the prepared subfloor. The distance between beads may not exceed 150 mm (6 in). Press the wood pieces firmly into the adhesive (at a right angle to the adhesive beads). The pieces can then be joined together using a hammer and an impact block. The required distance from the wall to the wood floor which is provided by the laying instructions from the wood floor manufacturer must be maintained.

The floor shall be walked on and/or sanded 24 to 48 hours after installation (+23 °C (73 °F)/ 50 % R.H.) up to 1 mm (3/64 in) adhesive thickness depending on the environmental conditions and adhesive layer thickness.

## CLEAN UP

All tools should be cleaned immediately after use with Sika® Urethane Cleaner and Thinner. Any adhesive left to cure on the tools will need to be removed by mechanical means. Use a dry cloth and Sika® Hand Cleaner towels to remove adhesive from pre-finished wood surfaces before it cures. Small amounts of adhesive residue can be removed from pre-finished wood using the Sika® Hand Cleaner towels. Sika® Hand Cleaner towels use a citrus-based cleanser that will not harm the floor finish.

## 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 exact product data and uses.

## 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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### Other locations

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

### Product Data Sheet

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