# SikaBond®-52 Parquet

Solvent free elastic Adhesive for Wood Flooring

## Product Description / Uses

SikaBond®-52 Parquet is a 1-component, solvent free, fast curing elastic adhesive. **Full surface bonding with SikaBond® Dispenser-1800 / -3600 / -5400:**

- Solid and engineered wood floors (strips, longstrips, planks, panels, boards), mosaic parquet, industrial parquet, lam parquet as well as chip boards can all be bonded. For detailed application instructions refer to the method statement of the SikaBond® Dispensers series, or contact our Technical Service.

For the Sika® AcouBond® System:

- Solid wood boards (tongued and grooved), 3-ply engineered wood as well as chip boards can all be bonded.

For detailed application instructions refer to the Product Data Sheet of the Sika® AcouBond® System, or contact our Technical Service.

For Beaded Application:

- Solid wood boards, 3-ply engineered wood as well as chip boards can be bonded

## Characteristics / Advantages

- 1-component, ready to use
- Fast curing
- Floor can be sanded after 12 hours
- Excellent workability, very easy to extrude
- Good initial tack
- Elastic, footfall sound-dampening adhesive
- Especially suitable for problematic woods including beech, maple and bamboo
- Suitable for wood floors bonding directly onto old ceramic tiles
- Reduces stress to the substrate: the elastic adhesive reduces stress transfer between the wood floor and the substrate
- Suitable for use with sub floor heating
- Compensates substrate unevenness

## Environmental Information

### Specific Characteristics

- Solvent free
- Odourless
- Recyclable aluminium packaging (600 ml sausages - 300 ml cartridges)

### Specific Approvals/Standards

- EMICODE EC 1PLUS R, very low emission
Specific Ratings

<table>
<thead>
<tr>
<th>LEED® EQc 4.1</th>
<th>SCAQMD, Rule 1168</th>
<th>BAAQMD, Reg. 8, Rule 51</th>
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Product Data

Colour
Parquet brown

Packaging
- 600 ml foil pack / 790 g (10 or 20 foil packs per box)
- 1800 ml foil pack / 2370 g (6 foil packs per box)
- 300 ml cartridge / 390 g (12 cartridges per box)

Storage Conditions / Shelf Life
- 12 months from date of production if stored in undamaged, original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.

Technical Data

Chemical Base
- i-Cure® technology polyurethane, moisture curing

Density
1.29 kg/l approx.¹ (ISO 1183-1)

Skinning- Laying Time
- 60 minutes approx.¹

Curing Rate
- 3.5 mm / 24h approx.¹
- The floor may be walked on / sanded 12 hours to 24 hours after installation (+23°C / 50% r. h. up to 1 mm adhesive thickness dependent on climatic conditions and adhesive layer thickness).

Consistency
Spreads easily, trowel marks stable. Easily to apply by gun.

Service Temperature
-40°C to +70°C

Shear Strength
1.1 N/mm² approx.¹, 1 mm adhesive thickness (EN 14293)

Tensile Strength
1.4 N/mm² approx.¹ (ISO 37)

Shore A Hardness
34 after 28 days approx.¹ (ISO 868)

Elongation at Break
600% approx.¹ (ISO 37)

System Information

Consumption / Dosage
- Sika® AcouBond System:
  - 610 g/m² for Sika Layer-03 and 770 g/m² for Sika Layer-05 (480 - 600 ml/m² approx.). Filling of all cut outs is a must. Use triangular nozzle with 8 x 10 mm opening.

  - Full Surface Bonding with SikaBond® Dispenser-1800 /-3600 /-5400:
    - For full surface bonding with the SikaBond® Dispenser please refer to the Methode statements of the SikaBond® Dispenser series.

    - Beaded Application:
      - 44 ml approx. per running meter = 250 - 500 g/m², dependent on bead spacing (solid wood boards, 3-ply engineered wood, chipboards).

    - For substrates primed with Sika® Primer MB / Sika® Primer MR Fast, the consumption of SikaBond®-52 Parquet is reduced.

Substrate Quality
Clean and dry, homogeneous, even, free from grease, dust and loose particles. Paint, laitance and other poorly adhering particles must be removed.

Standard construction rules must be observed.

Substrate Preparation
- Concrete / cement screed:
  - Must be ground and thoroughly cleaned with industrial vacuum cleaner.

- Anhydrite screed / anhydrite flow able screed:
  - Must be ground and thoroughly cleaned with industrial vacuum cleaner shortly before bonding starts.

- Broadcast mastic asphalt:
  - Must be primed with Sika® Primer MB / Sika® Primer MR Fast. Please refer to the respective Product Data Sheet.
Glazed ceramic and old ceramic tiles:
Degrease, clean with Sika® Aktivator-205 or grind the tile surfaces and vacuum thoroughly.

Wood- / gypsum boards (e.g. chipboards, plywood):
Glue / screw the boards to the substructure. They must be fixed to the substrate. For floating sub floors, please contact our Technical Service Department.

Other substrates:
Please contact our Technical Service Department for advice and assistance.

SikaBond®-52 Parquet can be used without priming on cementitious floors, anhydrite floors, chipboards, concrete and ceramic tiles.

For broadcast mastic asphalt, cementitious floors with excessive moisture content and for use over old adhesive residues or on weak substrates use Sika® Primer MB / Sika® Primer MR Fast. For detailed instructions refer to the respective Product Data Sheet or contact our Technical Service Department.

### Application Conditions / Limitations

<table>
<thead>
<tr>
<th>Substrate Temperature</th>
<th>During laying and until SikaBond®-52 Parquet has fully cured the substrate and ambient temperatures should be &gt; +15°C and with floor heating approx. +20°C. For substrate temperatures the standard construction rules are relevant.</th>
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<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Ambient temperature between +15°C and +35°C. For ambient temperatures the standard construction rules are relevant.</td>
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</table>
| Substrate Moisture Content | Permissible substrate moisture content:  
- 2.5% CM for cement screed (ca. 4% Tramex / Gravimetric weight percent).  
- 0.5% CM for anhydrite screed.  
- 3 - 12% CM for magnesite flooring (dependent on proportion of organic components).  
Permissible substrate moisture content for use with under floor heating:  
- 1.8% CM for cement screed (ca. 3% Tramex / Gravimetric weight percent).  
- 0.3% CM for anhydrite screed.  
- 3 - 12% CM for magnesite flooring (dependent on the proportion of organic components).  
For moisture contents and the quality of substrates the guidelines of the wood floor manufacturer as well as standard construction rules must be observed. |
| Relative Air Humidity | Between 40% and 70%                                                                                                                                                                               |

### Application Method / Tools

| Sika® AcouBond® System and beaded application: For detailed application instructions refer to the method statement of the Sika® AcouBond® System, or contact our Technical Service.  
Full Surface Bonding with SikaBond® Dispenser: For detailed application instructions refer to the method statement of the specific SikaBond® Dispenser, or contact our Technical Service.  
Fresh, uncured adhesive remaining on the wood floor surface must be removed immediately with a clean cloth and if necessary cleaned with Sika® Remover-208 or Sika® TopClean-T. Test wood floor surface finishes (varnish / coating) for compatibility with Sika® Cleaner-208 before use. Note: The laying instructions of the wood floor manufacturer must be observed. |

| Cleaning of Tools | Clean all tools and application equipment with Sika® Remover-208 / Sika® TopClean-T immediately after use. Hardened / cured material can only be removed mechanically. |
Notes on Application / Limitations

SikaBond®-52 Parquet should only be used by suitably experienced and trained applicators.

For good workability the adhesive temperature must be at least +15°C.

For the Sika® AcouBond System, beaded application, accurate tongued and grooved floors, the following limitations apply:

Minimum wood size:
- 300 mm length (over 3 adhesive beads)
- 50 mm width
- 12 mm thickness

Maximum wood size:
- 28 mm thickness

Wood floors in non insulated areas such as basements, or other areas without a damp proof membrane, must only be installed after the application of Sikafloor® EpoCem sealed with Sika® Primer MB / Sika® Primer MR Fast to control the moisture. For detailed instructions refer to the Product Data Sheets or contact our Technical Service Department.

For use with chemically pre-treated types of wood floors (e.g. with ammonia, wood stain, timber preservative) and woods with high oil content SikaBond®-52 Parquet is only to be used with written agreement from our Technical Service Department.

Do not use on PE, PP, TEFLON, and certain plasticized synthetic materials (carry out pre-trials or contact our Technical Service Department).

Some primers can negatively influence the adhesion of SikaBond®-52 Parquet(pre trials recommended).

When laying bonded wood flooring, always avoid contact between any wood surface sealer coatings and adhesive. However if direct contact with the adhesive is unavoidable, then the compatibility of the sealing coats must always be checked and confirmed before use. For further information or assistance please contact your local Sika Technical Service Department.

Do not expose uncured SikaBond®-52 Parquet to alcohol which is often within thinners, solvents and cleaning agents as they may interfere with the curing reaction.

Value Base

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.

Local Restrictions

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

Health and Safety Information

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

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.