



# SikaBond®-T52 FC

## Solvent free elastic adhesive for wood flooring

### Product Description

SikaBond®-T52 FC is a one component, solvent free, fast curing elastic adhesive.

### Uses

*For Full Surface bonding:*

- Solid and engineered wood floors - (strips, longstrips, planks, panels, boards), mosaic parquet, industrial parquet, lam parquet, wood paving (residential) as well as chip boards can all be fully bonded

*Full Surface Bonding with SikaBond® Dispenser-5400 / -3600 / -1800:*

- 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 Product Data Sheet of the SikaBond® Dispensers, or contact our Technical Service Department

*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 Department

*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
- Solvent free
- Fast curing properties
- Floor can be sanded after 12 hours (full surface bonding, +23°C / 50% r. h., up to 1 mm adhesive thickness)
- Excellent workability, very easy to extrude
- Good initial tack
- Odourless
- Elastic, footfall sound-dampening adhesive
- Suitable for most common types of wood floors
- Especially suitable for problematic woods including beech, maple and bamboo
- Suitable for bonding wood floors 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 for some substrate unevenness
- Adhesive can be sanded

Construction





## System Information

### Application Details

#### Consumption / Dosage

Sika® AcouBond-System:  
610 (03) - 770 (05) g/m<sup>2</sup> (480 - 600 ml/m<sup>2</sup>). Filling of all cut outs is a must. Use triangular nozzle with 8 x 10 mm opening.

#### Full Surface Bonding:

600 - 800 g/m<sup>2</sup> with notched trowel B3 (acc. to IVK guidelines) (e. g. lam parquet, mosaic parquet and industrial parquet).

700 - 900 g/m<sup>2</sup> with notched trowel B6 (= P4) (acc. to IVK guidelines) or 3/16" 1/8" 1/8" (engineered strips / planks, mosaic parquet etc.).

800 - 1000 g/m<sup>2</sup> with notched trowel B11 (= P6) (acc. to IVK guidelines), AP 48 or 3/16" 3/16" 3/16" (solid wood, engineered planks / panels, industrial parquet, wood paving (residential), chipboards etc.).

For bonding of long or wide boards or on uneven substrates it may be necessary to use a notched trowel with bigger notches (to prevent hollow sections).

#### Full Surface Bonding with SikaBond® Dispenser-5400:

**For full surface bonding with the SikaBond® Dispenser-5400 please refer to the Product Data Sheet for the SikaBond® Dispenser-5400.**

#### Beaded Application:

~ 44 ml per running meter = 250 - 500 g/m<sup>2</sup>, 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®-T52 FC 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 flowable 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 (Sika® Cleaner-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®-T52 FC can be used without priming on cementitious floors, anhydrite floors, chipboards, concrete and ceramic tiles.

For broadcast mastic asphalt, cementitious floors with an 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

|                                   |   |
|-----------------------------------|---|
| <b>Substrate Temperature</b>      | During laying and until SikaBond®-T52 FC has fully cured the substrate and ambient temperatures should be > +15°C and with floor heating approx. +20°C.<br><br>For substrate temperatures the standard construction rules are relevant.   |
| <b>Ambient Temperature</b>        | Ambient temperature between +15°C and +35°C.<br><br>For ambient temperatures the standard construction rules are relevant.  |
| <b>Substrate Moisture Content</b> | Permissible substrate moisture content: <ul style="list-style-type: none"><li>- 2.5% CM for cement screed (ca. 4% Tramex / Gravimetric weight percent).</li><li>- 0.5% CM for anhydrite screed.</li><li>- 3 - 12% CM for magnesite flooring (dependent on proportion of organic components).</li></ul><br>Permissible substrate moisture content for use with under floor heating: <ul style="list-style-type: none"><li>- 1.8% CM for cement screed (ca. 3% Tramex / Gravimetric weight percent).</li><li>- 0.3% CM for anhydrite screed.</li><li>- 3 - 12% CM for magnesite flooring (dependent on the proportion of organic components).</li></ul><br>For moisture contents and the quality of substrates the guidelines of the wood floor manufacturer as well as standard construction rules must be observed. |
| <b>Relative Air Humidity</b>      | Between 40% and 70%.  |

## Application Instructions

|                                   |   |
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| <b>Application Method / Tools</b> | <p>Sika® AcouBond®-System:<br/>For detailed application instructions refer to the Product Data Sheet of the Sika® AcouBond®-System, or contact our Technical Service Department.</p> <p>Full Surface Bonding:<br/>SikaBond®-T52 FC is applied to the prepared substrate directly from the pail and uniformly distributed by notched trowel. Press the wood floor pieces firmly into the adhesive so that the underside is fully wetted. The pieces can then be joined together using a hammer and an impact block. Many types of wood floors have to be tapped from the top. A distance of 10 - 15 mm from the wall to the wood floor must be maintained.</p> <p>Full Surface Bonding with SikaBond® Dispenser-5400:<br/>SikaBond®-T52 FC is applied to the prepared substrate directly from the SikaBond® Dispenser-5400. Press the wood floor pieces firmly into the adhesive so that the underside is fully wetted. The pieces can then be joined together using a hammer and an impact block. Many types of wood floors have to be tapped from the top. A distance of 10 - 15 mm from the wall to the wood floor must be maintained. For detailed application instructions refer to the Product Data Sheet for the SikaBond® Dispenser-5400, or contact our Technical Service Department.</p> <p>Beaded Application:<br/>After inserting the sausage into the gun, extrude a triangular shaped bead of adhesive approximately 10 mm high and 8 mm wide at max. 150 mm centres (dependent on wood floor type) on the prepared sub floor. Press the wood pieces firmly into the adhesive (at right angles to the adhesive beads). The elements can then be joined together using a hammer and an impact block. The required distance from the wall to the wood floor in the laying instructions from the wood floor manufacturer must be maintained.</p> <p>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.</p> <p>Note: The laying instructions of the wood floor manufacturer must be observed.</p> |
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| <b>Cleaning of Tools</b>                  | Clean all tools and application equipment with Sika® Remover-208 / Sika® TopClean-T immediately after use. Hardened / cured material can only be removed mechanically.  |                                  |        |                                  |  |       |         |  |           |         |                    |           |         |
| <b>Notes on Application / Limitations</b> | <p>SikaBond®-T52 FC should only be used by suitably experienced and trained contractors.</p> <p>For better workability the adhesive temperature must be at least +15°C. For the correct curing of the adhesive sufficient ambient moisture is necessary.</p> <p>For the Sika® AcouBond-System, Beaded Application, accurate tongued and grooved floors, the following limitations apply:</p> <table data-bbox="624 398 1442 524"> <tr> <td>Minimum wood size:</td> <td>length</td> <td>&gt; 300 mm (over 3 adhesive beads)</td> </tr> <tr> <td></td> <td>width</td> <td>&gt; 50 mm</td> </tr> <tr> <td></td> <td>thickness</td> <td>&gt; 12 mm</td> </tr> <tr> <td>Maximum wood size:</td> <td>thickness</td> <td>&lt; 28 mm</td> </tr> </table> <p>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.</p> <p>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®-T52 FC is only to be used with written agreement from our Technical Service Department.</p> <p>Do not use on PE, PP, TEFLON, and certain plasticized synthetic materials (carry out pre-trials or contact our Technical Service Department).</p> <p>Some primers can negatively influence the adhesion of SikaBond®-T52 FC (pre trials recommended).</p> <p>When laying bonded wood flooring, always make sure that any wood surface sealer coatings do not come into contact with the 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.</p> <p><b>Do not mix with or expose uncured SikaBond®-T52 FC to substances that may react with isocyanates, especially alcohols which are often components within e.g. thinners, solvents, cleaning agents and formwork releasing compounds. Such contact could interfere or prevent the cross linking curing reaction of the material.</b></p> | Minimum wood size:               | length | > 300 mm (over 3 adhesive beads) |  | width | > 50 mm |  | thickness | > 12 mm | Maximum wood size: | thickness | < 28 mm |
| Minimum wood size:                        | length  | > 300 mm (over 3 adhesive beads) |        |                                  |  |       |         |  |           |         |                    |           |         |
|   | width   | > 50 mm                          |        |                                  |  |       |         |  |           |         |                    |           |         |
|   | thickness   | > 12 mm                          |        |                                  |  |       |         |  |           |         |                    |           |         |
| Maximum wood size:                        | thickness   | < 28 mm                          |        |                                  |  |       |         |  |           |         |                    |           |         |
| <b>Value Base</b>                         | 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.  |                                  |        |                                  |  |       |         |  |           |         |                    |           |         |
| <b>Local Restrictions</b>                 | 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.   |                                  |        |                                  |  |       |         |  |           |         |                    |           |         |
| <b>Health and Safety Information</b>      | 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.



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