

**Product Data Sheet**

Edition 31/07/08

Identification no:

SikaBond®- 5500S

## SikaBond® - 5500S

Solvent Based Rigid Adhesive for Wood Block & Engineered Wood flooring

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**Product Description**

SikaBond® - 5500S is a single part combination of synthetic resins contained in organic solvents.

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**Uses**

For full Surface Bonding of:

- Traditional parquet blocks and engineered wood floors, mosaic / mesh backed parquet, industrial parquet and end grained wood paving on cement, anhydrite, and poured asphalt sub-floors
- Can be used over underfloor heating.

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**Characteristics / Advantages**

- 1-part, ready to use
- Very good spreadability
- Suitable for use with all types of wood
- Especially suited to wood block refurbishment projects where bitumen adhesive residues are present.
- Suitable for underfloor heating
- Adhesive can be sanded

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**Tests**

**Approval / Standards**

DIN: 68131

DIN: 281

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Construction





<b>Substrate Quality</b>	Clean and dry, homogeneous, even, free from grease, dust and loose particles. Paint, cement laitance and other poorly adhering particles must be removed.  Standard construction rules must be observed.
<b>Substrate Preparation</b>	Concrete / cement screed: Must be clean, dry, contaminant free and thoroughly cleaned with industrial vacuum cleaner.  Anhydrite screed / Anhydrite flowable screed: Must be ground and thoroughly cleaned with industrial vacuum cleaner and Primed with Sika Primer MB or SikaBond® 5500S diluted 1 - 1 with Thinner EG.  Unknown substrates: Please contact our Technical Service.  SikaBond® - 5500S can be used without priming on cement floors, poured asphalt and wooden floor panels providing they are dust free and permanently dry.
<b>Application Conditions / Limitations</b>	
<b>Substrate Temperature</b>	During laying and until SikaBond® - 5500S has fully cured substrate temperature must be > + 5°C and in the case of in floor heating < + 20°C.  For Substrate temperatures the standard construction rules are relevant
<b>Ambient Temperature</b>	Room temperature between +10°C and +35°C.  For ambient temperatures the standard construction rules are relevant.
<b>Substrate Moisture Content</b>	Maximum 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 magnesia flooring (proportion of organic parts)</li> </ul> Maximum substrate moisture content in case of underfloor 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 magnesia flooring (proportion of organic parts)</li> </ul> For moisture content and quality of substrates the guidelines of the wood floor manufacturer as well as standard construction rules must be observed.  Please Note: Most wood floor manufacturers state a maximum substrate moisture content of 2% CM (ca.2.5% Tramex).
<b>Relative Air Humidity</b>	Between 40% and 75%

## Application Instructions

### Application Method / Tools

Full Surface Bonding. SikaBond® 5500S is only suitable for full surface bonding and should be applied to the subfloor NOT the wood elements. SikaBond® - 5500S should be applied to the properly prepared substrate directly from the pail and uniformly distributed by notched trowel. Press the wood floor elements firmly into the adhesive so that the underside is fully wetted. The elements 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 observed in all cases.

Avoid getting adhesive on the side of the wood elements. 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. Test wood floor surfaces for compatibility with Sika® Cleaner-208 before use.

The laying instructions of the wood floor manufacturer as well as standard construction rules must be observed.

### Cleaning of Tools

Clean all tools and application equipment with Sika® Remover-208 or Thinner EG immediately after use. Hardened / cured material can only be mechanically removed.

### Notes on Application / Limitations

SikaBond® - 5500S is only suitable for experienced applicators.

If, according to wood floor suppliers or producers deviation from the standards is permissible, temperatures between +5°C and +35°C must be observed for the adhesive.

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

For the optimum curing of the adhesive ambient conditions should be 23°C with a relative humidity of not greater than 50%.

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 to control the moisture. For detailed instructions consult the Product Data Sheets or contact our Technical Service.

In case of chemically pre-treated types of wood floors (e.g. ammonia, wood stain, timber preservative) and woods with high oil content SikaBond® - 5500S is only to be used after a written recommendation from our Technical Service.

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

Some primers can negatively influence the adhesion of SikaBond® - 5500S (pre trials recommended).

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.

<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>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.
<b>Legal Notes</b>	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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