

PRODUCT DATA SHEET

SikaBond® Wood Floor Installation Kit

A complete solution for fast and easy fitting of wood flooring

PRODUCT DESCRIPTION

SikaBond® Wood Floor Installation Kit is a complete kit to fit up to 20m² of wood flooring.

The kit contains:

- 10 x 600ml SikaBond® MS Wood Floor adhesive foils,
- 1 x bulk gun,
- 2 x reuseable precut nozzles.

SikaBond® MS Wood Floor is a high quality adhesive that is ideal for bonding wood floors to all common substrates. It is permanently elastic to accommodate differential movement caused by changes in humidity and climatic conditions. Suitable for use with under-floor heating systems.

USES

- Fixing all types of wooden floors directly onto all common substrates
- Beaded wood flooring application
- Wood flooring application using Sika® Silent Layer Mat

CHARACTERISTICS / ADVANTAGES

- Complete kit for fast and easy application
- Covers up to 20m² of wood flooring
- Permanently flexible adhesive – compensates for subfloor movement
- Sound dampening properties
- Eliminates the need for battens
- Excellent gap filling properties for uneven surfaces
- Good workability
- Solvent free
- Odourless
- Suitable for use with underfloor heating systems

Viscosity	250,000 – 300,000 cP
Chemical resistance	Excellent
Humidity and water resistance	Excellent
Alkali resistance	Excellent
Trafficability/Sandability on new floors	24 hours after fixing

PRODUCT INFORMATION

Chemical Base	Silane terminated prepolymer
Packaging	Box containing: 10 x 600ml SikaBond® MS Wood Floor adhesive foils 1 x bulk gun 2 x reuseable precut nozzles
Colour	Buff adhesive
Shelf Life	12 months from the date of manufacture if stored as directed.
Storage Conditions	Store in cool, dry conditions between +5 and +25°C. Ensure good ventilation. Storage outside these parameters will dramatically reduce shelf life. Opened tins must be closed airtight and used up as soon as possible (within 1 month).
Density	1.50 - 1.55 g/cm ³

TECHNICAL INFORMATION

Shear Strength (wood/wood) >1.2N/mm² (24 hrs)

Service Temperature -40°C to +80°C

APPLICATION INFORMATION

Ambient Air Temperature +5°C to +30°C

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

Curing Time 36-48 hours.

Tack Free Time 20 mins at 23°C and 50% RH

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- Please ensure substrate is dry and suitable to receive a wooden floor. If in doubt ask your supplier for **Sika® Primer MB** or **SikaBond® Rapid DPM**.
- Concrete / cement screed: Must have an open texture, be dry and thoroughly cleaned with industrial vacuum cleaner.
- Anhydrite screed / Calcium Sulphate screed: Must be completely dry, ground and thoroughly cleaned with an industrial vacuum cleaner shortly before bonding starts. NOTE: Not to be used in conjunction with damp proof membranes.
- Broadcast mastic asphalt: Must be primed with **Sika® Primer MB** or **SikaBond® Rapid DPM** (see local Data Sheets for application instructions).
- Glazed ceramic and old ceramic tiles: Degrease, clean with **Sika® Remover-208** or grind the tile-surface and clean thoroughly with an industrial vacuum cleaner.
- Wood / gypsum boards (e.g. chipboards, plywood): Glue / screw the boards to the substructure. They have to be fixed on the substrate. In the case of floating subfloors, please contact our Technical Department.
- Unknown substrates: Please contact our Technical Department.
- **SikaBond® MS Wood Floor Adhesive** can be used without priming on cement floors, anhydrite floors, chip boards, concrete and ceramic tiles, steel access floors, plywood and most common substrates.
- For broadcast mastic asphalt, cement floors with an excessive moisture content, as well in case of renovation on old adhesive residues and on structurally weak substrates use **Sika® Primer MB** or **SikaBond® Rapid DPM** (for detailed instructions consult Product Data Sheets or contact our Technical Department).

Minimum screed requirements: 28 days maturing and max 3% moisture content before using this adhesive. For moisture contents at 3.1-7%, use in conjunction with a moisture barrier. Do not use this product above these recommended moisture levels.

APPLICATION METHOD / TOOLS

METHOD 1 - Bead application

After the preparation of sausage and gun, extrude a

triangular shaped bead of adhesive approximately 10 mm high and 8 mm wide at 100-250 mm centres (dependent on wood floor type) on the properly prepared subfloor. Press the wood floor elements firmly in to the adhesive (at right angles with adhesive beads). The elements can then be joined together using a hammer and an impact block. Ensure a perimeter gap of 20-15mm is maintained between walls and flooring.

METHOD 2 - Sika® Silent Layer Mat application

Sika® Silent Layer Mat application: roll out the mat so the pre-cut slots are at 90° to the direction of the wood flooring. Gun adhesive into the slots ensuring all openings are filled with a triangular bead of adhesive 10mm high by 8mm wide. Place timber onto adhesive and mat. Use a block and mallet to close joints in wood floor as required. Allow to fully cure overnight. 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® Remover-208** before use. The laying instructions of the wood floor manufacturer as well as standard construction rules must be observed. After installation, allow adhesive to fully cure before replacing furniture, normally overnight.

LIMITATIONS

- Always check with flooring manufacturer regarding any specific instructions/requirements relating to their flooring before fitting floors.
- Do not use over bitumen or substrates that bleed oil or plasticizers.
- Do not use, store or allow to cure below +5°C.
- For better workability the adhesive temperature must be at least +15°C. For the proper curing of the adhesive sufficient ambient moisture is necessary. The minimum wood sizes are:

Length	Width	Thickness
Must go over at least 3 adhesive beads	>50mm	12-28mm (must not exceed 28mm)

Wood floors in non insulated areas such as basements, or other areas without a damp proof membrane, can only be installed after the application of **Sikafloor® EpoCem** and **Sika® Primer MB** or **SikaBond® Rapid DPM** to control the moisture. For detailed in-

structions consult the Product Data Sheets or contact our Technical Department. In case of chemically pre-treated types of wood floors (e.g. ammonia, wood stain, timber preservative) and woods with high oil content, **SikaBond® MS Wood Floor Adhesive** is only to be used after a written recommendation from our Technical Department. Do not use on PE, PP, TEFLON, and certain plasticised synthetic materials (carry out pre-trials or contact our Technical Department). Some primers can negatively influence the adhesion of **SikaBond® MS Wood Floor Adhesive** (pre-trials recommended).

VALUE BASE

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

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.

ECOLOGY, HEALTH AND 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.

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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SikaBond® Wood
Floor Installation Kit
April 2018, Version
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