

PRODUCT DATA SHEET

SikaBond® MS Wood Floor

Solvent free elastic adhesive for wood floor bonding

PRODUCT DESCRIPTION

SikaBond® MS Wood Floor is a high specification product, specifically designed for fixing all types of wooden floors directly onto all common substrates, eliminating the need for battens. Sikabond® MS Wood Floor is based on the latest developments in hybrid polymer technology.

USES

- Will bond engineered and solid wood flooring directly to all common subfloors inc. concrete, wood, metal, ceramic tiles, composite boards and most natural stone floors.
- Elastic Bonding of skirting boards / baseboards and door thresholds etc.

CHARACTERISTICS / ADVANTAGES

- 1-component, ready to use.
- 100% solvent and water free, odourless.
- Will not cause warpage or curl of wood blocks or planks.
- Excellent workability
- Elastic, footfall sound-dampening.
- Suitable for all common types of wood floors.
- Reduces stress on the substrate and also reduces stress transfer between the wood floor and the substrate.
- Suitable for use with under floor heating.
- Can be sanded.

PRODUCT INFORMATION

Chemical Base	1-part STPE (Hybrid technology, moisture curing)
Packaging	14kg Pail
Colour	Parquet brown
Shelf Life	9 months from date of production if stored in undamaged and unopened, original sealed containers.
Storage Conditions	Keep in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.
Density	1.6-1.7 kg/l

TECHNICAL INFORMATION

Shear Strength	>1.0 N/mm ² after 1 day and >2.0 N/mm ² after 1 week
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APPLICATION INFORMATION

Consumption	Minimum 0.6kg/m ² with a suitable notched trowel Note: For substrates primed with Sika® Primer MB or SikaBond® Rapid DPM the consumption of SikaBond® MS Wood Floor is reduced.
Sag Flow	Consistency: spreads easily, trowel marks stable
Ambient Air Temperature	Ambient temperature shall be between +15°C and +35°C.
Relative Air Humidity	Between 40% and 70%
Substrate Temperature	During laying and until SikaBond® MS Wood Floor has fully cured the substrate and ambient temperatures must be > +15°C and when used with under floor heating ~+20°C.
Substrate Moisture Content	<p>Permissible substrate moisture content :</p> <ul style="list-style-type: none"> - 2.5% Carbide Method (CM) for cement screed (ca. 4% Tramex / Gravimetric weight percent) - 0.5% CM for anhydrite screed - 3 - 12% CM for magnesite flooring (dependent on the proportion of organic material) <p>Permissible substrate moisture content for use with under floor heating:</p> <ul style="list-style-type: none"> - 1.8% CM for cement screed (ca. 3% Tramex / Gravimetric weight percent) - 0.3% CM for anhydrite screed - 3 - 12% CM for magnesite flooring (depending on the proportion of organic material).
Curing Rate	1.0-2.0 mm / 24h (+23°C / 50% r. h.) The floor can be walked on / sanded 12 hrs to 24 hours after installation
Skin Time / Laying Time	~ 40 minutes (+23°C / 50% r. h.)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Substrate Quality

Clean and dry, homogeneous, even, free from oils and grease, dirt and loose or friable particles. Paint and cement laitance must be removed.

Substrate Preparation

Concrete / cement screed:

- Must be ground, thoroughly cleaned and vacuumed.

Anhydrite screed / flowable anhydrite screed:

- Must be ground and thoroughly cleaned and vacuumed shortly before bonding starts.

Broadcast mastic asphalt:

- Must be primed with Sika® Primer MB or SikaBond® Rapid DPM. Please refer to the respective Product Data Sheet.

Glazed ceramic and old ceramic tiles:

- Degrease, clean with Sika® Cleaner 208 or grind the tile surface and vacuum thoroughly.

Wood / gypsum boards (e.g. chipboards, plywood, plasterboard etc):

- Glue / screw the boards to the substructure. They must be firmly and securely fixed to the substrate. For floating sub floors, please contact our Technical Service Department for assistance.

Other substrates:

- Please contact our Technical Service Department for advice and assistance.

- SikaBond® MS Wood Floor can be used without priming on cementitious floors, anhydrite floors, chipboard, 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 or SikaBond Rapid DPM. For detailed instructions refer to the respective Product Data Sheet or contact our Technical Service Department.

APPLICATION METHOD / TOOLS

The minimum rate of application should be no less than 600grms/m² but may be considerably more depending upon the trowel used. Choose a suitable notched trowel to ensure a minimum 75% contact occurs between the adhesive layer and the underside of the flooring. Remove any excess adhesive whilst still wet.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Cleaner-208 immediately after use. Hardened/cured material must be removed mechanically.

LIMITATIONS

SikaBond® MS Wood Floor shall only be used by suitably experienced and trained contractors. For optimum workability the adhesive temperature shall be at least +15°C. For the correct curing of the adhesive sufficient ambient moisture is necessary. 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 vapour barrier to control the moisture. For detailed instructions 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 a high oil content, SikaBond® MS Wood Floor is only to be used with the prior written agreement of our Technical Service Department. Do not use SikaBond® MS Wood Floor on PE, PP, TEFLON, and certain plasticized synthetic materials (carry out pre-trials or contact our Technical Service Department). Some wood lacquers on the underside of flooring can negatively influence the adhesion of SikaBond® MS Wood Floor (pre trials are therefore recommended). SikaBond® MS Wood Floor is designed as a wood floor bonding adhesive. When laying parquet type wood floors without tongued and grooved joints, e.g. mosaic parquet floors, please note that the wood floor adhesive must not be pressed up into the joints between the wood pieces. If direct contact with the adhesive of any subsequently applied materials, such as sealers or coatings, etc. cannot be avoided, then their compatibility should be tested and confirmed prior to their use. For further information please contact your local Sika Technical Service Department.

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

Consult MSDS for full lists of hazards.

LEGAL NOTES

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Floor

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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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