

PRODUCT DATA SHEET

SikaBond® Wood Flooring Adhesive

Trowel Or Gun Applied Wood Flooring Adhesive

PRODUCT DESCRIPTION

SikaBond® Wood Flooring Adhesive is a standard setting, trowel or gun applied adhesive specially designed for fixing all types of wooden floors directly onto all common substrates. Available in pails for large areas of application and cartridges and foils for smaller applications such as fix and repair.

USES

Bonds all types of wooden floors directly onto most substrates;

- Concrete.
- Wood.
- Metal.
- Ceramic tiles.
- Vinyl (rigid).
- Marble, Granite and most natural stone floors.
- Underfloor heating applications.

PRODUCT INFORMATION

Chemical Base	STPE hybrid polymer
Packaging	300 mL Cartridge 600 mL Foil Pack 14 kg Pail
Colour	Buff
Shelf Life	300 mL Cartridge and 600 mL Foil: 12 months. 14 kg Pail: 9 months. From date of manufacture when stored according to manufacturer's instructions.
Storage Conditions	Store in cool, dry conditions between +10 °C to +25 °C. Ensure good ventilation and protect from direct sunlight. Storage outside these

parameters will dramatically reduce shelf life.

Density	Cartridge and Foil: 1.5 - 1.6 g/cm ³ 14 kg Pail: approx. 1.6 – 1.7 g/cm ³
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TECHNICAL INFORMATION

Lap Shear Strength	Cartridge and foil: >1.2 N/mm ² (24 hours) (wood/wood) Pail: >1.0 N/mm ² (24 hours) and >2.0 N/mm ² after 7 days
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Service Temperature	-40 °C to +80 °C
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APPLICATION INFORMATION

Consumption	One 300 mL cartridge will bond 1 m ² of flooring when applied as directed. One 600 mL foil sausage will bond 2 m ² of flooring when applied as directed. 14 kg pail: 0.6 kg - 1 kg will bond 1 m ² of flooring when applied as directed.
Ambient Air Temperature	+5 °C to +30 °C
Substrate Moisture Content	28 days maturing and max 3 % moisture content before using this adhesive. For moisture contents at 3.1 – 7 %, use in conjunction with SikaBond® Rapid DPM and moisture barrier. Do not use this product above these recommended moisture levels.
Curing Time	36 – 48 hours. Can usually be trafficked/sanded after 24 hours.
Tack Free Time	Cartridge and Foil: Approx. 30 minutes (at 23 °C and 50 % R.H) Pail: Approx. 40 minutes (at 23 °C and 50 % R.H)

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.

LIMITATIONS

- Always check with flooring manufacturer for specific instructions/requirements relating to their flooring before fitting floors.
- Do not use against bitumen or substrates that bleed oil or plasticisers.
- Do not use, store or allow to cure below +5 °C.
- This product is only suitable for direct applications to unprimed subfloors where the moisture content level is below 3 % (CM). For applications where the moisture content level is between 3.1 – 7 %, always use SikaBond® Rapid DPM as directed.
- Never apply wooden flooring under any circumstances where moisture content level is above 7 %.

It is the user's responsibility to determine suitability

of use. If in doubt, please contact Technical Services department for advice.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

COMPATIBILITY TESTS ARE RECOMMENDED FOR EVERY SURFACE.

- Ensure moisture level of subfloor is below 3 % before placing using a carbide hygrometer.
- Read limitations section prior to use.
- Parquet flooring MUST be acclimatized for several days in the room where it is to be installed. Leave in original packaging during this period.

- Turn off under floor heating 48 hours before, and for 48 hours after, the adhesive has been applied.
- The surfaces to be glued must be sound, clean, dry and free from dust, grease and other contaminants.
- Existing floors must be free from all polish/wax.
- Clean existing floor tiling with caustic soda; rinse thoroughly and allow to dry.
- Residues of old adhesive must be removed mechanically as they may affect adhesion.
- **New concrete** must be allowed 4 weeks to dry and mature.
- **Screeds** require 28 days maturing and max 3 % moisture content before using this adhesive.
- **Chipboard** must be free of release agents/wax.
- **Very porous or friable surfaces** should first be primed with SikaBond® Rapid DPM and allowed to dry.
- **Smooth surfaces** (e.g. Anhydrite screeds) must be roughened to provide a key.
- **Basement/below ground floors** must be adequately protected with a D.P.C and two coats of SikaBond® Rapid DPM applied as directed.

APPLICATION METHOD / TOOLS

Cartridge & Foil (Gun Applied):

- Cut off tip of sausage and place into suitable cartridge.
- Cut off the top of the cartridge nozzle flat to leave an 8 mm opening.
- Cut a V shaped profile down into nozzle to a depth of approx. 10 mm.
- Fix nozzle and place cartridge into a sealant gun.
- Hold gun at 90 ° to floor and extrude out a triangular shaped bead, approx 8 mm wide and 10 mm high at approx. 250 mm centres at right angles to the length of the plank.
- Place planks/blocks into position whilst adhesive is still tacky (within 30 minutes) and tap into final position with mallet and block, removing uncured adhesive with Sika® Wonder Wipes®. (Caution - test compatibility with lacquer finished blocks first).
- Floor may be sanded/ trafficked 24 hours after application, depending on site conditions (longer at low temperatures).
- If surface has no or little absorbency; allow 3 days before sanding/trafficking.

Pail (Trowel Applied):

- Choose a suitable notched trowel to ensure a minimum 75 % contact occurs between the adhesive layer and the underside of the flooring.
- Do not spread more adhesive than can be covered within 30 minutes.
- Spread the adhesive evenly with the trowel at no less than 0.6 kg/m², this may be considerably more depending upon the trowel used.
- Place planks/blocks into position whilst adhesive is still tacky (within 30 minutes) and tap into final position with mallet and block, removing uncured adhesive with Sika® Wonder Wipes®. (Caution - test compatibility with lacquer finished blocks first).
- Floor may be sanded/ trafficked 24 hours after application, depending on site conditions (longer at low temperatures).
- If surface has no or little absorbency; allow 3 days before sanding/trafficking.

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.

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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Product Data Sheet
SikaBond® Wood Flooring Adhesive
August 2026, Version 02.02
020512020000246925

SikaBondWoodFlooringAdhesive-en-GB-(08-2026)-2-2.pdf