

PRODUCT DATA SHEET

SikaBond®-100 Floor

BASIC FLOOR COVERING ADHESIVE

DESCRIPTION

SikaBond®-100 Floor is a 1-component, solvent-free dispersion adhesive.

USES

SikaBond®-100 Floor is designed for full surface bonding of mentioned below floor coverings on absorbent substrates in interior areas:

Flexible textile floor coverings	Cushioned vinyl (CV) floor coverings
Impact sound insulation underlays	PVC floor coverings

CHARACTERISTICS / ADVANTAGES

- Very easily spread
- Low consumption / high coverage
- Suitable for wet bonding
- Suitable for use with underfloor heating
- Suitable for use with castor-chairs

PRODUCT INFORMATION

Composition	1-component dispersion	
Packaging	14 kg plastic pail	
Colour	Light beige	
Shelf life	12 months from the date of production	
Storage conditions	SikaBond®-100 Floor shall be stored in original, sealed, undamaged packaging, in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.	
Density	~1,40 kg/l	(ISO 1183-1)
Consistency	Middle viscous, spreads very easily	

TECHNICAL INFORMATION

Service Temperature	+5 °C to +35 °C
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APPLICATION INFORMATION

Consumption	~300 g/m ²	Trowel A1	PVC floor coverings with even backing, CV floor coverings
	~350 g/m ²	Trowel A2	PVC floor coverings with structured backing, textile floor coverings
Note: Trowel A1, A2: trowels according to "Technische Kommission Bauklebstoffe" (TKB), Germany.			
Ambient Air Temperature	+15 °C to +35 °C		
Relative Air Humidity	40 % to 65 %		
Substrate Temperature	During laying and until SikaBond®-100 Floor has fully cured, the substrate and ambient temperatures shall be between +15 °C and +35 °C <i>without</i> and between +20 °C and +35 °C <i>with</i> underfloor heating.		
Substrate Moisture Content	Permissible substrate moisture content <i>without</i> underfloor heating: <ul style="list-style-type: none">▪ 2.0 % CM for cement screeds.▪ 0.5 % CM for anhydrite screeds.▪ 3–12 % CM for magnesia flooring (depending on the organic content). Permissible substrate moisture content for use <i>with</i> underfloor heating: <ul style="list-style-type: none">▪ 1.8 % CM for cement screeds.▪ 0.3 % CM for anhydrite screeds.▪ 3–12 % CM for magnesia flooring (depending on the organic content). Note: For all moisture contents and the quality of the substrates and surfaces always follow the guidelines of the soft floor manufacturer.		
Curing Time	~24 h (final strength after ~72 h)		
Skin Time / Laying Time	~60 min		
Flash-off time	~20 min		

APPLICATION INSTRUCTIONS

For the application of SikaBond®-100 Floor all standard construction guidelines and relevant valid data sheets apply.

SUBSTRATE PREPARATION

- The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed.
- SikaBond®-100 Floor adheres without primers and/or activators.
- The subfloor must meet the requirements of national standards, must have good compression and tensile strength and has to be even.
- Defective subfloors shall be treated by taking appropriate measures e.g. grinding, milling, vacuuming or priming.
- To produce an absorbent, even subfloor, a cement-based leveling compound shall be used, e.g. from the Sikafloor® Level series. For appropriate layer thicknesses refer to the relevant valid data sheets.
- Mastic asphalt and other non-absorbent subfloors may require specific self-leveling compound layer thicknesses. For appropriate layer thicknesses refer

to the relevant valid data sheets.

- Concrete and/or cement screeds must be ground and thoroughly cleaned with an industrial vacuum.
- When installing floor covering with underfloor heating, existing measuring points have to be checked regarding the moisture content of the subfloor.

APPLICATION METHOD / TOOLS

Stir SikaBond®-100 Floor well before use. The adhesive has to be applied on the subfloor with a trowel. The type of trowel depends on the subfloor and the backing of the floor covering (refer to Consumption). Always assure sufficient transfer of the adhesive to the floor covering backing.

For wet phase bonding the floor coverings have to be laid in the relatively moist adhesive. All types of floor coverings need to be rubbed down well with an articulated floor roller, especially along the seams. After a waiting time of ~15 minutes the floor covering has to be rubbed down again. Avoid direct sunlight, direct high temperatures, dynamic stress and pointed stress. The guidelines of the floor covering manufacturer apply.

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Hardened / cured material can only be mechanically removed.

FURTHER INFORMATION

- Safety Data Sheet

IMPORTANT CONSIDERATIONS

- SikaBond®-100 Floor is only suitable for use by professional floor covering applicators.
- For good workability, the adhesive temperature shall be $\geq +15$ °C.
- Thermal welding of seams should not be done earlier than 24 hours after installation (48 hours recommended).
- Floor coverings need to acclimate to the room before installation according to the guidelines of the supplier.
- Protect from freezing. After being frozen the adhesive can no longer be used.
- Avoid extreme variations of environmental conditions (temperature or humidity).
- SikaBond®-100 Floor is only suitable for interior areas.

BASIS OF PRODUCT DATA

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.

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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) 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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