

PRODUCT DATA SHEET

SikaBond®-150 Premium Floor

Versatile adhesive for various floor coverings

DESCRIPTION

SikaBond®-150 Premium Floor is a 1-component, solvent-free, universal pressure-sensitive dispersion adhesive.

USES

SikaBond®-150 Premium Floor is designed for full surface bonding of mentioned below floor coverings on absorbent and non-absorbent substrates in interior areas:

Linoleum coverings	Woven fabrics
Natural fibre coverings with backing	Single or multilayer needle felting
Carpets with PVC, PU or filler-free backing	Impact sound insulation underlays
PVC and cushioned vinyl (CV) floor coverings	Corkment and cork linoleum
Rubber floor coverings as tiles (~3.5 mm, e.g. Nora-ment)	Rubber floor coverings in sheets (e.g. Noraplan)

CHARACTERISTICS / ADVANTAGES

- Very easily spread
- Low consumption / high coverage
- High initial adhesion power
- Suitable for wet and semi-wet bonding
- Suitable for use with underfloor heating
- Suitable for use with castor-chairs
- Suitable for shampooing
- Suitable for difficult coverings

ENVIRONMENTAL INFORMATION

- EMICODE EC1^{PLUS}

APPROVALS / STANDARDS

- Marine Equipment Directive (MED, "wheelmark")

PRODUCT INFORMATION

Chemical Base	1-Component dispersion
Packaging	6 kg, 14kg plastic pail
Shelf Life	SikaBond®-150 Premium Floor has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage Conditions	SikaBond®-150 Premium Floor shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.
Colour	Beige
Density	~1.20 kg/l (ISO 1183-1)
Consistency	Middle viscous, spreads very easily

TECHNICAL INFORMATION

Service Temperature +5 °C to +35 °C

APPLICATION INFORMATION

Consumption	~250 g/m ²	Trowel A1	PVC floor coverings with even backing, CV floor coverings
	250–280 g/m ²	Trowel A1 / A2	PVC design floors, rubber floor coverings
	~280 g/m ²	Trowel A2	PVC floor coverings with structured backing, carpets with PVC backing, insulation underlays, rubber floor coverings (~3.5 mm)
	~350 g/m ²	Trowel B1	Linoleum coverings
	350–400 g/m ²	Trowel B1 / B2	Textile floor coverings, needle felting

Note: Trowel A1, A2, B1, B2: trowels according to "Technische Kommission Bauklebstoffe" (TKB), Germany.

Ambient Air Temperature +15 °C to +35 °C

Relative Air Humidity 40 % to 60 %

Substrate Temperature During laying and until SikaBond®-150 Premium Floor has fully cured, the substrate and ambient temperatures shall be between +15 °C and +35 °C without and between +20 °C and +35 °C with underfloor heating.

Substrate Moisture Content Permissible substrate moisture content without underfloor heating:

- 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 with underfloor heating:

- 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 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 ~20–60 min (depending on laying method)

Flash-off Time ~10–60 min

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.

FURTHER DOCUMENTS

- Safety Data Sheet

LIMITATIONS

- SikaBond®-150 Premium 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®-150 Premium Floor is only suitable for in-

terior areas.

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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

For the application of SikaBond®-150 Premium 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®-150 Premium 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 levelling compound shall be used, e.g. Sika® Level-200 or -300 Extra. For appropriate layer thicknesses refer to the relevant valid data sheets.
- Mastic asphalt and other non-absorbent subfloors as well as rubber floor coverings may require specific self-levelling 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®-150 Premium 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.

Wet phase bonding

The flash-off time for installation on absorbent subfloors and/or vapour permeable floor coverings is ~10–15 minutes, depending on the room climate.

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November 2022, Version 03.01
020512030000000026

The floor coverings have to be laid in the relatively moist adhesive and rubbed down with an articulated floor roller.

Semi-wet phase bonding

The flash-off time for installation on non-absorbent subfloors and/or non-permeable floor coverings is ~15–60 minutes, depending on the room climate. As soon as the groove domes are transparent but not yet dried through and the adhesive is forming strings the floor covering has to be laid.

All types of floor coverings need to be rubbed down well 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 TOOLS

Clean all tools and application equipment immediately after use with water or Sika® TopClean T. Once cured, residual material can only be removed mechanically

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

SikaBond-150PremiumFloor-en-HK-(11-2022)-3-1.pdf