

PRODUCT DATA SHEET

SikaBond®-150 Premium Floor

UNIVERSAL PRESSURE SENSITIVE ACRYLIC ADHESIVE FOR ALL FLEXIBLE COVERINGS

PRODUCT 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:

Luxury vinyl tiles (LVT)	Woven fabrics
Linoloum coverings	Single or multilayer needle felting
Natural fibre coverings with backing	Impact sound insulation underlays
Carpets with PVC, PU or filler-free backing	Corkment and cork lino-leum
PVC and cushioned vinyl (CV) floor coverings	Rubber floor coverings in sheets
Rubber floor coverings as tiles	

CHARACTERISTICS / ADVANTAGES

- Up to 8 hours of working time
- 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	4 gallon (18 kg) pail
Color	Beige
Shelf Life	1 year in original unopened packaging.
Storage Conditions	+41°F (+5°C) to +77°F (+25°C) The product must be stored in original, unopened and undamaged sealed packaging in dry conditions.



Density	75 lbs/ft ³ (1.20 kg/l)	(ISO 1183-1)
Consistency	Middle viscous, spreads very easily	

TECHNICAL INFORMATION

Service Temperature	+41°F (+5°C) to +95°F (+35°C)
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APPLICATION INFORMATION

Coverage

Flooring Type	Trowel	Coverage
Luxury vinyl tiles (LVT), woven fabrics, natural fiber coverings with backing, impact sound insulation underlayments, carpets with PVC/PU/filler-free backing, corkment, cork linoleum, PVC and cushioned vinyl (CV) floor coverings, rubber floor coverings in sheets, and rubber floor coverings as tiles.	1/16" x 1/32" x 1/32" U-Notch 	220-260 sq.ft. per gal.
Linoleum coverings, sheet goods	1/16" x 1/16" x 1/16" Square Notch 	150-180 sq.ft. per gal.
Textile floor coverings, needle felting		

- Coverage must be monitored to ensure accuracy of application. Trowel angle may prevent proper coverage.
- Applicator is responsible for periodic inspection of the trowel to check for excessive wear. Worn trowels must be replaced immediately.
- In case of uneven substrates, it may be necessary to use a notched trowel with bigger notches (avert hollow sections).
- Coverage must be monitored to ensure accuracy of application. Trowel angle may prevent proper coverage.
- Trowel size is recommended to obtain proper coverage, larger sizes are acceptable. Excessive amounts of adhesive may cause flooring to slide while placing check coverage during installation.
- Substrate Quality: Structurally sound, clean, dry, homogeneous, even, free from grease, dust and loose particles, paint, laitance, and other poorly adhering particles must be removed.

Ambient Air Temperature	Room temperature between +59°F (+15°C) and +95°F (+35°C). For ambient temperatures standard construction guidelines should be followed. Follow all wood floor manufacturers' acclimation and room temperature requirements.
Relative Air Humidity	Between 40 % and 60 % during installation is best for adhesive. See wood floor manufacturer for wood requirements.
Substrate Temperature	During laying and until SikaBond®-150 Premium Floor has fully cured, substrate temperature should be greater than +60 °F (+15 °C) and in the case of radiant floor heating, less than +70 °F (+20 °C). For substrate temperatures, standard construction guidelines should be followed.
Substrate Moisture Content	Where moisture readings exceed 9 lbs / 1000 sq. ft / 24 hrs or 90% RH (or 6 lbs/ 85% RH prior to install linoleum or rubber)
Cure Time	24 hrs (final strength after 72 hrs)
Flash-off Time	0–120 minutes (depending on laying method and porosity)
Application Time	20 minutes - up to 8 hours (depending on laying method and porosity)

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 Underlayments or Sika® Level SkimCoat. 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.

MIXING

Stir SikaBond®-150 Premium Floor well before use.

APPLICATION METHOD / TOOLS

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 Coverage section). Always assure sufficient transfer of the adhesive to the floor covering backing.

Wet phase bonding

The flash-off time for installation of floor coverings is 0–20 minutes, depending on the room climate and porosity of substrate. 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 of floor coverings is 20–60 minutes, depending on the room climate and porosity of substrate. As soon as the groove domes are transparent but not yet fully dried and the adhesive is forming legs (threads) the floor covering has to be laid.

Dry-tack phase bonding - dry to the touch

The flash-off time for installation of floor coverings is 50–120 minutes, depending on the room climate and porosity of substrate. As soon as the groove domes are transparent and the adhesive is no longer forming legs (threads) the floor covering has to be laid within the 8 hour working time.

All types of floor coverings should be weight rolled well especially along the seams. After a waiting time of 15 minutes the floor covering has to be rolled 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

LIMITATIONS

- SikaBond®-150 Premium Floor is only suitable for use by professional floor covering applicators.
- For good workability, the adhesive temperature shall be $\geq 59^{\circ}\text{F}$ ($+15^{\circ}\text{C}$).
- 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 interior use only.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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Product Data Sheet
SikaBond®-150 Premium Floor
September 2019, Version 03.02
020512030000000026

SikaBond-150PremiumFloor-en-US-(09-2019)-3-2.pdf

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