

PRODUCT DATA SHEET

SikaRoof® Adhesive-200

Polyurethane foam adhesive for bonding roofing insulation boards

PRODUCT DESCRIPTION

SikaRoof® Adhesive-200 is a polyurethane 1- part, bead applied, foam adhesive that bonds insulation boards to various types of construction material substrates.

USES

Insulation board types:

- Polyisocyanurate (PIR) - mineral faced
- Expanded polystyrene (EPS)
- Mineral fibre boards with sufficient compressive strength and appropriate type of bonding surface

Bonding substrates:

- Concrete, lightweight concrete
- Oriented fibre strand boards (OSB), plywood panels, timber boards
- Fibre cement boards
- Mineral or sand-surfaced / aged bitumen
- Galvanized or coated steel
- Vapour barriers

CHARACTERISTICS / ADVANTAGES

- Adheres to solid, clean and dry or slightly moist surfaces
- Easy application
- Applied directly out of the container
- Good adhesion to many construction materials

PRODUCT INFORMATION

Chemical Base	Polyurethane foam
Packaging	5 kg container Refer to current price list for packaging variations.
Shelf Life	12 months from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in an upright position in dry conditions at temperatures between +5°C and +30 °C. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.

APPLICATION INFORMATION

Consumption	CONSUMPTION ON NEW SUBSTRATES		
	Substrate	Central	Perimeter / Corners
	S-Vap 5000 E SA	150–250 g/m ²	200–300 g/m ²
	SikaShield® VB E71 PE SA 2,4		
	Sanded bituminous felt	150–250 g/m ²	200–300 g/m ²
	Mineral Wool Insulation	300–400 g/m ²	450–550 g/m ²

CONSUMPTION ON EXISTING SUBSTRATES

Substrate	Central	Perimeter / Corners
Mineral faced bituminous felt	200–300 g/m ²	300–400 g/m ²
Mastic asphalt	200–300 g/m ²	300–400 g/m ²
Other rough faced surfaces	300–400 g/m ²	450–550 g/m ²

Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Product Temperature	Maximum	+30 °C
	Minimum	+5 °C

Ambient Air Temperature	Maximum	+30 °C
	Minimum	+5 °C

Dew Point	Beware of condensation. The substrate and uncured applied product must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product. Low temperatures and high humidity conditions increase the probability of blooming.	
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Substrate Temperature	Minimum	+5 °C
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Curing Time	Substrate	+5 °C	+23 °C
	Concrete, timber, fibre cement boards	~5 hours	~2.5 hours
Impervious, for example bitumen, steel, vapour barriers	~8 hours	~5.5 hours	

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

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.

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.

Regulation (EC) No 1907/2006 (REACH) - Mandatory training

As from 24 August 2023 adequate training is required before industrial or professional use of this product. For more information and a link to the training visit www.sika.com/pu-training.



APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

- The supporting structure must be of sufficient structural strength to apply all new and existing layers of the roof build-up.
- The complete roof system must be designed and secured against wind uplift loadings.
- The substrate must be clean, and free of all contaminants such as dust, dirt, oil, grease, cement laitance and poorly bonded paint coatings which could reduce the adhesion of the adhesive.

SUBSTRATE PREPARATION

- All dust, loose and friable material must be completely removed from all surfaces before application of adhesive.
- A moist surface is acceptable, however standing water must be avoided and removed before application of adhesive.
- For dry and substrates with less than 35 % humidity the surface must be moistened before adhesive application.
- Primer 610 and Primer 600 can be used to improve the adhesion on certain substrates. Contact Sika Technical Services for more information.

APPLICATION

IMPORTANT

Application by trained personnel

The application of this Product must only be carried out by an applicator that is trained or approved by Sika. The applicator must also be experienced in this type of application.

IMPORTANT

Applying sufficient adhesive

Application consumption is based on substrate type and exposure zone. Using insufficient adhesive can have a negative impact on the Product's performance.

1. Refer to the Consumption section to make sure the correct product quantity is applied corresponding to the number of beads per metre and the bead width listed in the Application Instructions.

Colder weather working

Note: At temperatures less than +10 °C the container can be heated in warm water (max. +50 °C) to lower the viscosity and increase fluidity.

Low humidity working

Note: At an atmospheric relative humidity is below 35 % spraying a fine mist of water onto the adhesive after application can accelerate the curing rate.

BONDING INSULATION BOARDS ON FLAT ROOFS

1. Shake the container vigorously before use.
2. Remove the lid from the container and pull out the pouring spout.
3. **IMPORTANT:** Only apply the amount of adhesive that can be covered within 5 minutes. Pour out the product onto the substrate in continuous straight-line liquid beads. Apply each line parallel with each other.
4. Central zones: 4 beads per metre. Bead width of 10–20 mm.
5. Perimeter and Corner zones: 6 beads per metre. Bead width of 10–20 mm.
6. Press the insulation panel immediately onto the adhesive with light pressure and adjust into position.
Note: Do not let the applied adhesive form a skin.
7. **IMPORTANT:** Make sure the adhesive beads have

been squeezed flat. Lift the insulation board at the leading edge then press board back onto the adhesive. This check is important on very uneven substrates.

BONDING INSULATION BOARDS ON ROOF SLOPES GREATER THAN 10°

Mechanically fix insulation boards or bituminous vapour control layers to prevent slipping until the adhesive has cured.

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

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