

PRODUCT DATA SHEET

SikaRoof® Adhesive-200

POLYURETHANE FOAM ADHESIVE FOR BONDING ROOFING INSULATION BOARDS

PRODUCT DESCRIPTION

SikaRoof® Adhesive-200 is a polyurethane 1- part, cold 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: (S-Vap 5000E SA and S-Vap HD SA)

CHARACTERISTICS / ADVANTAGES

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

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.

APPLICATION INFORMATION

Consumption	Consumption on new substrates		
	Substrate	Central	Perimeter / Corners
	S-Vap 5000E SA & S-Vap HD SA	150–250 g/m ²	200–300 g/m ²
	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
These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.			
Substrate Temperature	+5 °C minimum		
Setting Time	Substrate	+5 °C	+23 °C
	Concrete, timber, fibre cement boards	~5 hours	~2,5 hours
	Impervious e.g. bitumen, steel, vapour barriers	~8 hours	~5,5 hours
Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

- The supporting structure must be of sufficient structural strength.
- The complete roof system must be designed to resist wind uplift.
- The substrate must be clean, and free of all contaminants such as dust, dirt, oil, grease, 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.
- Primer 610 / 600 can be used to improve the adhesion on certain substrates. Contact Sika Technical Services for more information.

APPLICATION

Important: Application consumption is based on substrate type and exposure zone. 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.

Important: Press insulation boards into the adhesive beads before skin formation.

Important: Only apply the amount of adhesive that can be covered within 5 minutes.

Important: When bonding the insulation boards, it is recommended that periodic checks are carried out to make sure the adhesive beads have been squeezed flat. Do this by lifting the insulation board at the leading edge then press board back onto the adhesive. This check is important on very uneven substrates.

Note: At low temperatures the container can be warmed in warm water (max. +50 °C) to improve the application rate i.e. lower the viscosity and increase fluidity.

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. 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 / 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.

Bonding insulation boards on roof slopes greater than 10°

Some mechanically fixing of insulation boards will be require to prevent slipping, until the adhesive has cured.

LIMITATIONS

Installation work must only be carried out by Sika trained contractors, experienced in this type of application.

- For dry and low humidity substrates, the surface must be moistened before adhesive application.
- If the atmospheric relative humidity is below 35 %. Spraying a fine mist of water onto the adhesive after application may be required to promote the curing of the adhesive.

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.

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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Product Data Sheet

SikaRoof® Adhesive-200
May 2020, Version 01.01
020945071000000016

SikaRoofAdhesive-200-en-GB-(05-2020)-1-1.pdf

