

## PRODUCT DATA SHEET

# SikaRoof® Adhesive C-300

Adhesive for Sikaplan® SGK roof waterproofing membranes

### DESCRIPTION

SikaRoof® Adhesive C-300 is a 1-part, polyurethane based moisture curing adhesive

### USES

Partial bonding of Sikaplan® SGK roof waterproofing membranes

### Bonding substrates:

- Oriented fibre strand boards, plywood panels, fibre cement boards
- Mineral fibre boards with sufficient compressive strength and suitable bonding surface
- Coverboards
- PUR/PIR insulation boards with lamination (glass or mineral fibre fleece)
- EPS insulation boards

### FEATURES

- Adheres to smooth and rough, clean surfaces
- Fast setting time

### PRODUCT INFORMATION

<b>Composition</b>	Polyurethane moisture curing	
<b>Packaging</b>	One way container:	6 kg
	Packing unit:	Euro pallet or single container
<b>Shelf life</b>	9 months from date of production	
<b>Storage conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.	
<b>Density</b>	~1,08 kg/l (+20 °C)	
<b>Volatile organic compound (VOC) content</b>	VOC-CH	18 %
	VOC-EU	18 %
<b>Consistency</b>	Viscous liquid	

## APPLICATION INFORMATION

<b>Consumption</b>	Material consumption depends on the roughness and absorbcency of the substrate. The following adhesive consumption is recommended, with a minimum of 33 g/m per bead:								
	<table><thead><tr><th>Roof surface area</th><th>Number of adhesive beads</th></tr></thead><tbody><tr><td>Inner zone</td><td>7 beads per m<sup>2</sup> (approx. 231 g/m<sup>2</sup>)</td></tr><tr><td>Inner edge zone</td><td>7 beads per m<sup>2</sup> (approx. 231 g/m<sup>2</sup>)</td></tr><tr><td>Outer edge zone, corner area</td><td>9 beads per m<sup>2</sup> (approx. 297 g/m<sup>2</sup>)</td></tr></tbody></table>	Roof surface area	Number of adhesive beads	Inner zone	7 beads per m <sup>2</sup> (approx. 231 g/m <sup>2</sup> )	Inner edge zone	7 beads per m <sup>2</sup> (approx. 231 g/m <sup>2</sup> )	Outer edge zone, corner area	9 beads per m <sup>2</sup> (approx. 297 g/m <sup>2</sup> )
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<b>Ambient air temperature</b>	+5 °C min								
<b>Substrate temperature</b>	+5 °C min								
<b>Curing time</b>	The curing time of the adhesive depends on ambient humidity and is between 1 and 5 hours. At lower temperatures, curing takes longer; at higher temperatures, it proceeds correspondingly faster. The adhesive reaches its final bond strength after approximately 1 week.								

### BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### FURTHER DOCUMENTATION

When bonding to aluminum-faced PU insulation boards, consult Sika Technical Services.

### 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.

### APPLICATION INSTRUCTIONS

#### SUBSTRATE QUALITY

The substrate must offer sufficient strength and adhesion to resist the forces generated by wind suction.

#### SUBSTRATE PREPARATION

The substrate must be firm, clean, dry or slightly moist, free from oil, grease, dust, stripping agents, standing water, bitumen residue and loose friable particles.

#### APPLICATION

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instructions.

#### Application Method

- Position and align the membrane.
- Apply even strips of SikaRoof® Adhesive C-300 adhesive directly out of the container with a bead diameter of minimum 8 mm.
- Moisten the adhesive strips slightly with a fine mist of water, ideally using a backpack sprayer with a double-nozzle lance. Using a rubber spatula, evenly spread the adhesive strips to create a thin adhesive film.
- The membrane is then rolled immediately into the wet adhesive. Press down firmly on the membrane using a suitable pressure roller.
- Only apply the adhesive on the immediate membrane installation area. When completed apply adhesive onto the next area.

#### CLEANING OF EQUIPMENT

Clean all tools and application equipment with SikaRoof® Cleaner 2000 immediately after use. Hardened material can only be mechanically removed.

#### LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## 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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