

PRODUCT DATA SHEET

Sika® Trocal C-300

ADHESIVE FOR SIKAPLAN® SGK (TROCAL® SGK) ROOF WATERPROOFING MEMBRANES

PRODUCT DESCRIPTION

Sika® Trocal C-300 is a 1-part, polyurethane based moisture curing adhesive

USES

Partial bonding of Sikaplan® SGK (Trocal® SGK) roof waterproofing membranes to roof substrates.

Bonding substrates:

- Concrete, lightweight concrete
- Oriented fibre strand boards, plywood panels, fibre cement boards
- Metal
- Sanded/chipped or aged bitumen
- Mineral fibre boards with sufficient compressive strength and suitable bonding surface
- PUR/PIR insulation boards with lamination (glass or mineral fibre fleece)
- EPS insulation boards with sufficient compressive strength and density

CHARACTERISTICS / ADVANTAGES

- Adheres to smooth and rough, clean surfaces
- Application by pouring in strips and spreading by rubber spatula
- Fast setting time

PRODUCT INFORMATION

Chemical Base	Polyurethane moisture curing	
Packaging	One way container:	6 kg
	Packing unit:	Euro pallet or single container
Appearance / Colour	Gold-brown	
Shelf Life	9 months from date of production	
Storage Conditions	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.	
Density	~1,08 kg/l (+20 °C)	
Volatile organic compound (VOC) content	VOC-CH	18 %
	VOC-EU	18 %
Consistency	Viscous liquid	

APPLICATION INFORMATION

Consumption	~200 g/m ² to 300 g/m ² for partial bonding. Consumption depends on the roughness and absorbency of the substrate. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.
Ambient Air Temperature	+5 °C min
Substrate Temperature	+2 °C min. No frost
Setting Time	~20 minutes at +20 °C. At the minimum application temperature and low relative humidity the setting time can be prolonged. Hardening time ~1–5 hours. Final strength is achieved after ~1 week. All these times can be affected by ambient conditions.

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 Sika® Trocal C-300 adhesive directly out of the container or by using an adhesive dispenser cart with a bead diameter of 8–10 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.

Rate of adhesive application for moderate wind loads < 2,4 kN/m²

Adhesive	Central zone	Perimeter zone	Corner zone
Sika® Trocal C-300 adhesive (min. 25 g/m bead)	7 strips / 1,00 m 14 strips / 2,00 m (approx. 180 g/m ²)	9 strips / 1,00 m 18 strips / 2,00 m (approx. 250 g/m ²)	9 strips / 1,00 m 18 strips / 2,00 m (approx. 250 g/m ²)

CLEANING OF TOOLS

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

FURTHER DOCUMENTS

- Installation instructions: Relevant roof waterproofing membrane.

LIMITATIONS

- The viscosity of the adhesive increases at low application temperatures. The material flow out of the container is therefore reduced.
- Fresh, smooth or talcum coated bitumen surfaces are not appropriate for bonding. These surfaces must be sanded properly.
- Extruded polystyrene boards are not appropriate for bonding.
- Remaining quantities of adhesive in sealed container must be used within a few days.
- The use of some ancillary products such as adhesives, cleaners and solvents is limited to temperatures above +5 °C. Observe temperature limitations in the appropriate Product Data Sheets.
- Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.

VALUE BASE

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

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.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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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