

Sika-Trocal® C 300

Adhesive for felt backed roof waterproofing membranes Sika-Trocal® SGK

Product Description

One-component polyurethane based adhesive curing by humidity

Uses

Partial bonding of Sika-Trocal® SGK roof waterproofing membranes

Characteristics / Advantages

- Adheres to smooth and rough, clean surfaces
- Suitable 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 appropriate surface for bonding
 - PUR/PIR insulation boards with lamination (glass or mineral fibre fleece)
- Application by pouring in strips and spreading by rubber spatula
- Fast setting time, depending on humidity and temperature

Tests

Approvals / Standards

- Quality management system EN ISO 9001/14001

Product Data

Form

Consistency

Viscous liquid

Colour

Gold-brown

Packaging

One way container: 6 kg
Packing unit: Euro pallets or single packing

Storage

Storage Conditions

Store in dry conditions at temperatures between +4°C to +30°C
Notice the safety precautions mentioned on the labels of containers, as well as the local safety rules for storage of dangerous goods.

Shelf-Life

12 months from date of production if stored properly in original, unopened and undamaged sealed container.



Technical Data

Chemical Basis Polyurethane-based solvent-containing one-pack adhesive, humidity hardening

Density ~ 1.08 kg/l (+20 °C)

System Information

Application Details

Consumption Depending on the surface roughness the consumption is approx. 200 g/m² to 300 g/m² for partial bonding.

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

Substrate Preparation The substrate must be clean, dry and free of dust and bubbles. It may have light moisture. Ponding water must be dried-off. Loose sand and chips on bitumen sheets must be removed.

Installation Instructions

Application Guideline Based on the valid installation instructions of the relevant roof waterproofing membrane.

Application Method First the Sika-Trocal® SGK membrane is positioned and aligned. When the membrane has been aligned, even strips of Sika-Trocal® C 300 adhesive are applied directly out of the container or by using an adhesive dispenser cart with a bead diameter of 8-10 mm.

The adhesive strips are moistened slightly with a fine mist of water, ideally using a backpack sprayer with a double-nozzle lance. Using a rubber spatula the adhesive strips are then evenly spread to create a thin adhesive film. The membrane is then rolled immediately into the wet adhesive.

Do not apply Sika-Trocal® C 300 adhesive on a larger area than the next membrane to be installed can cover.

The viscosity of the adhesive increases at low application temperatures. The material flow out of the container is therefore reduced. Fresh, singed or talcum coated bitumen surfaces are not appropriate for bonding. This surface must be sanded properly. Extruded Polystyrene boards are not appropriate for bonding. Residual quantities of adhesive in open container must be used within a few days even if the opened container is sealed airtight. Discoloration of the membrane surface due to migration of elements consisting of bituminous background is possible. The other properties of the roofing membrane are not affected. For more information please contact your Sika Technical Service for Roofing.

Notes on Application / Limits

Tool Cleaning Tools and equipment must be cleaned with Sika-Trocal® Cleaner

Notes on Installation / Limits

Installation works to be carried out only by Sika instructed contractors for roofing.

Temperature limits for the installation of the membrane:

Substrate temperature: At least +2 °C no frost
 Ambient temperature: At least +5 °C

Installation of some ancillary products, e.g. contact adhesives / cleaners is limited to temperatures above +5 °C. Please observe information given by Product Data Sheets.

Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.

Setting

Setting Time

Setting time at 20 °C is approx. 20 minutes. At the minimum application temperature and low relative humidity the setting time can be prolonged.

Hardening

Hardening Time

The hardening time depends on temperature and humidity and is between 1 and 5 hours. Hardening is prolonged in low temperatures and accelerated in high temperatures. Final strength is achieved after approx. 1 week.

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.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal note: 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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