

PRODUCT DATA SHEET

Sarnacol® T-660

ADHESIVE FOR SARNAFIL® TG 66, SARNAFIL® TS 77 ROOF WATERPROOFING MEMBRANES AND SARNAFIL® SUB-ROOF MEMBRANES

DESCRIPTION

Butyl rubber-based one-pack contact adhesive

USES

Sarnacol® T-660 is a contact adhesive to bond Sarnafil® TG 66-type, Sarnafil® TS 77type and Sarnafil® TU-type membranes in perimeter and flashing areas.

CHARACTERISTICS / ADVANTAGES

Adheres to solid, rough and clean surfaces.

APPROVALS / STANDARDS

Quality management system EN ISO 9001/14001

PRODUCT INFORMATION

Chemical base	Butyl rubber-based solvent-containing one-pack contact adhesive	
Packaging	One way container:	18kg, 5kg
	Packing unit:	Europallet or single container
Appearance / Colour	Yellow	
Shelf life	15 months from date of production if stored properly in original, unopened and undamaged sealed container. Expiry date on container.	
Storage conditions	Store in dry conditions at temperatures between +5 °C to +30 °C.	
Density	~ 0.79 kg/l (+20 °C)	
Volatile organic compound (VOC) content	VOC-CH: 67.7 % VOC-EU: 67.7 %	
Consistency	Liquid	

APPLICATION INFORMATION

Consumption	Consumption depends on the roughness and absorbency of the substrate and ranges from 300 g/m ² - 500 g/m ² on closed substrates to 1000 g/m ² on very absorbent substrates.
Ambient Air Temperature	Temperature limits for the installation of the adhesive: At least +5°C
Substrate Temperature	Temperature limits for the installation of the adhesive: At least +5°C

Substrates

- Concrete, lightweight concrete, brick, plaster
- Oriented strands fibre (OSB) boards, plywood panels
- Fibre cement boards
- Aged bitumen
- Mineral fibre boards with sufficient compressive strengths and appropriate surface for bonding
- PUR/PIR insulation boards with lamination (glass or mineral fibre fleece and coated aluminium)
- Polyester (thermal activation required), hard PVC
- Galvanized steel, aluminium, nickel chromium steel

Setting Time

The strength required for the intended stress is achieved immediately. Final strength is achieved after approx. 1 week and depends on the temperature and humidity.

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 resistant to solvent, firm, clean, dry, free of stripping agents and free of oil and grease. Sheet metal must be cleaned with Solvent T 660 before adhesive is applied.

APPLICATION

Application Guidline:

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

General Information:

Sarnacol® T-660 must be stirred well and carefully before use. Close the container if work is stopped for a long period. Sarnacol® T-660 can be diluted with Solvent T 660 to adjust fluidity. Use Solvent T 660 to remove adhesive residues on the roof membrane.

General principles for bonding (contact bonding):

The adhesive is spread evenly to the substrate, preferably using a roller. Do not apply the adhesive to an area greater than can be covered in one day. Allow the adhesive to dry completely. The minimum evaporation time is 2 hours, the maximum 10 hours. Apply two coats of adhesive on absorbent substrates (the first coat must have dried out completely before the second is applied). Apply the adhesive evenly on the underside of the roof membrane, preferably using a roller (welding seam overlap area must be free of adhesive). Once the adhesive has been allowed to evaporate sufficiently (finger test after approx. 30 minutes), position the roof membrane, straighten it, bond it and press it down well with a roller. The time to be allowed for evaporation depends on the temperature, air humidity, condition of the substrate and quantity of adhesive.

Heat activation:

After bonding, the adhesion is generally improved by warming up the roof membrane. Therefore the roof membrane is heated externally by means of a heat source (Sarnafil® heat gun) and pressed down immediately using a roller. Avoid any glossing on the roof membrane, particularly in the area of the welding seam overlap.

CLEANING OF TOOLS

Removal of fresh remnants from tools and application equipment can be carried out using Solvent T 660 immediately after use. Hardened / cured material can only be mechanically removed.

LIMITATIONS

Unsuitable substrates:

- EPS/XPS insulation boards
- Copper plate

BASIS OF PRODUCT DATA

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. 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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