

PRODUCT DATA SHEET

Sarnacol®-2170

ADHESIVE FOR SARNAFIL® G AND SARNAFIL® G FELT ROOF WATERPROOFING MEMBRANES

SIKA NZ
APPROVED
CONTRACTOR
ONLY

DESCRIPTION

Nitrile rubber-based one-pack contact adhesive

USES

Sarnacol®-2170 is a contact adhesive to bond Sarnafil® G-type and felt backed Sarnafil® G Felt-type membranes on surfaces and Sarnafil® G-type membranes in perimeter and flashing areas.

CHARACTERISTICS / ADVANTAGES

- Proven performance over decades
- Adheres to solid, rough and clean surfaces
- Easy and robust application
- High adhesion to different substrates

Suitable substrates:

- Concrete, lightweight concrete, brick, plaster
- Oriented strand boards (OSB), plywood panels
- Fibre cement boards
- Mineral fibre boards with sufficient compressive strength and appropriate surface for bonding
- PUR/PIR insulation boards with lamination (glass or mineral fibre fleece)
- Polyester, hard and soft PVC
- Galvanized steel, PVC-coated metal sheet

APPROVALS / STANDARDS

- Quality management system EN ISO 9001/14001

PRODUCT INFORMATION

Chemical Base	Nitrile rubber-based solvent-containing one-pack contact adhesive
Packaging	One way container: 20 kg
Appearance / Colour	Red
Shelf Life	24 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	Density ~ 0.90 kg/l (+20 °C)
Volatile organic compound (VOC) content	VOC-CH (VOCV) 7.4 % VOC-EU (Solvent) 7.4 %
Consistency	Liquid
Compatibility	Shall not be used on substrates: <ul style="list-style-type: none"> ▪ EPS/XPS insulation boards ▪ Copper plate ▪ Bituminous substrates ▪ Waterproofing membranes (thermoplastics/elastomers) excluding soft PVC

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
Setting Time	The strength required for the intended stress is achieved immediately after contact bonding process. In the wet bonding process, you must allow a setting time of 15 minutes to 1 hour, depending on the weather conditions. 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 Sarna Cleaner before adhesive is applied.

APPLICATION

Application Guideline:

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

General information:

Sarnacol®-2170 must be stirred carefully before use. Close the container if work is stopped for a long period. Sarnacol®-2170 can be diluted with Sarna Cleaner to adjust fluidity. Use Sarna Cleaner to remove adhesive residues on the roof membrane.

Contact bonding (for Sarnafil® G-types on surfaces and on joining/flashing areas):

The adhesive is spread evenly to the substrate 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. Apply two coats of adhesive on absorbent substrates (the first coat must have dried out completely before the second is applied).

Position and straighten the roof membrane. Apply the adhesive evenly on the underside of the roof membrane (note: welding seam overlap area must be free of adhesive). Once the adhesive has been allowed to evaporate sufficiently (finger test), install the sheet. The time to be allowed for evaporation depends on the temperature, air humidity, condition of the substrate and quantity of adhesive. On surfaces the membrane is pressed down by means of a pressure roll or roller.

In joining and flashing areas press down firmly using a roller. At places which will be exposed to stresses immediately after bonding (edges), Sarnafil® G-types can also be heated externally by means of a heat source (Sarnafil® heat gun) and pressed down immediately

using a roller.

Wet bonding (for Sarnafil® G Felt-types on surfaces):

The adhesive is spread to the substrate evenly 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. Position and straighten the roof membrane. Apply a second coat of adhesive evenly over the substrate. The felt-backed roof membrane is laid directly on the wet adhesive and pressed down flat using a pressure roll or roller.

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.

CLEANING OF TOOLS

Tools and equipment must be cleaned with Sarna Cleaner immediately after use.

LIMITATIONS

Shall not be used on substrates:

- EPS/XPS insulation boards
- Copper plate
- Bituminous substrates
- Waterproofing membranes (thermoplastics/elastomers) excluding soft PVC

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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