

PRODUCT DATA SHEET

Sarnacol®-2170

Contact adhesive for Sarnafil® felt backed roof waterproofing membranes

DESCRIPTION

Sarnacol®-2170 is a 1-part, nitrile rubber based solvent contact adhesive

USES

- Bonding Sarnafil® G-type and Sarnafil® G Felt-type waterproofing membranes to substrates and for perimeter and flashing details.

Bonding 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
- Polyester, hard and soft PVC
- Galvanized steel, PVC-coated metal sheet
- PUR/PIR insulation boards with lamination (glass or mineral fibre fleece)

CHARACTERISTICS / ADVANTAGES

- Proven performance over decades
- Adheres to solid, rough and clean surfaces
- Application by brush or roller
- Good adhesion to different substrates

PRODUCT INFORMATION

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|--|---|---------------------------------|
| Chemical Base | Solvented nitrile rubber | |
| Packaging | One way container: | 5 kg, 20 kg |
| | Packing unit: | Euro pallet or single container |
| | Refer to current price list for packaging variations. | |
| Appearance / Colour | Red | |
| Shelf Life | 24 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 | ~0,90 kg/l (+20 °C) | |
| Volatile organic compound (VOC) content | VOC-CH (VOCV) | 77 % |
| | VOC-EU (Solvent) | 77 % |

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SYSTEM INFORMATION

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| Compatibility | <p>Shall not be used on substrates:</p> <ul style="list-style-type: none"> ▪ EPS/XPS insulation boards ▪ Copper plate ▪ Bituminous substrates ▪ Waterproofing membranes (thermoplastics/elastomers) excluding soft PVC <p>These materials could adversely affect the product properties.</p> |
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APPLICATION INFORMATION

| | |
|--------------------------------|---|
| Consumption | <p>~300 g/m²–500 g/m² up to 1000 g/m² on very absorbent substrates. 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.</p> |
| Ambient Air Temperature | +5 °C min |
| Substrate Temperature | +5 °C min |
| Setting Time | <p>Full adhesion is generally achieved immediately after bonding. For the wet bonding process, allow a setting time of 15 minutes to 1 hour. Final strength is achieved after ~1 week. All these times can be affected by ambient conditions.</p> |

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.

FURTHER DOCUMENTS

- Installation instructions and Product Data Sheet of the relevant roof waterproofing membrane.

LIMITATIONS

- 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.

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.

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 solvents and must be firm, clean, dry, free from oil, grease, dust, stripping agents and loose friable particles. Sheet metal must be cleaned with Sarna Cleaner before adhesive is applied.

APPLICATION

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

General information

Sarnacol®-2170 must be stirred carefully before use. Keep adhesive container closed whenever adhesive is not being used to keep workability constant (to reduce solvent evaporation).

Viscosity of the Sarnacol®-2170 contact adhesive can be changed and adapted by adding Sarna Cleaner. It may be necessary to modify the viscosity after prolonged storage or if container was opened for long periods of time. Mix Sarna Cleaner into the adhesive by carefully stirring small quantities into the adhesive to achieve the desired viscosity.

Use Sarna Cleaner to remove adhesive residue from the roof membrane.

Contact bonding procedure (Sarnafil® G-types on substrates and for perimeter / flashing details)

Spread adhesive evenly onto the substrate using an application roller. Do not apply the adhesive to an area greater than can be covered in one day. Allow the adhesive to dry completely. Apply 2 coats of adhesive on absorbent substrates (the first coat must be com-

pletely dry before the second is applied). 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), apply the membrane onto the substrate adhesive. Press down firmly on the membrane using a suitable pressure roller.

At locations 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) then pressed down immediately using a suitable pressure roller.

Wet bonding procedure (Sarnafil® G Felt-types on substrates)

Spread adhesive evenly onto the substrate using an application roller. Do not apply the adhesive to an area greater than can be covered in one day. Allow the adhesive to dry completely. Apply a second coat of adhesive over the substrate. Apply the membrane onto the wet substrate adhesive. Press down firmly on the membrane using a suitable pressure roller.

CLEANING OF TOOLS

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

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.

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.

Sika Pakistan (Pvt.) Limited

141-CCA Phase IV, DHA

Lahore Punjab 54792

Pakistan

phone: +92 42 3569 4266 - 67

fax: +92 42 3569 4268

<http://pak.sika.com/>

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