

Sarnacol[®] 2170

Adhesive for Sarnafil[®] G and Sarnafil[®] G Felt roof waterproofing membranes

Product 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

- Adheres to solid, rough and clean surfaces
- 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 and coated aluminium)
 - Polyester, hard and soft PVC
 - Galvanized steel, aluminium, PVC-coated metal sheet
- Application: lamb-wool roller
- Proven, 30 year service life in the Australian market

Tests

Approvals / Standards

- Quality management system EN ISO 9001/14001

Product Data

Form

Consistency

Liquid

Colour

Red

Packaging

One way container: 20 kg, 5 kg
Packing unit: Europallet or single container

Storage

Storage Conditions

Store in dry conditions at temperatures between +5 °C to +30 °C

Shelf-Life

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



Technical Data

Chemical Basis Nitrile rubber-based solvent-containing one-pack contact adhesive

Density ~ 0.90 kg/l (+20 °C)

System Information

Application Details

Consumption Consumption depends on the roughness and absorbency of the substrate and ranges from 300 g/m² - 500 g/m² on closed substrates to 1000 g/m² on very absorbent substrates.

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.

Compatibility ■ Shall not be used on substrates:

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

Installation Instructions

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

Application Method 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.

Tool Cleaning	Tools and equipment must be cleaned with Sarna Cleaner immediately after use.
Notes on Installation / Limits	<p>Installation works to be carried out only by Sika instructed contractors for roofing.</p> <p>Temperature limits for the installation of the membrane:</p> <p>Substrate temperature: At least +5 °C Ambient temperature: At least +5 °C</p> <p>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.</p> <p>Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.</p>
Setting	
Setting Time	<p>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.</p> <p>Final strength is achieved after approx. 1 week and depends on the temperature and humidity.</p>
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.
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 Notes	<p>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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Product Data Sheet for the product concerned, copies of which will be supplied on request.</p> <p>PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.</p>

