

PRODUCT DATA SHEET

Sarnacol®-2170 (US)

ADHESIVE FOR SARNAFIL® G AND SARNAFIL® G FELT ROOF WATERPROOF-
ING MEMBRANESSIKA NZ
APPROVED
CONTRACTOR
ONLY

DESCRIPTION

Sarnacol®-2170 (US) is a solvent-based adhesive used for Sarnafil® adhered roofing systems. It is formulated for adhering membranes in a two-step process to clean, dry, surfaces.

USES

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

AREAS OF APPLICATION

Non-felt Membrane Substrates

- PIR insulation boards (organic facer)
- PIR insulation boards (glass facer)
- Plywood
- Metal
- Concrete Wall

Felt-back Membrane Substrates

- PIR insulation boards (organic facer)
- PIR insulation boards (glass facer)
- Plywood
- Metal
- Concrete Deck
- Concrete Wall
- Masonry Wall
- Cellular Concrete

CHARACTERISTICS / ADVANTAGES

- Proven performance over decades
- Easy and robust application
- High adhesion to different substrates

APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories
- Miami-Dade
- Florida Building Code
- ICC Code Compliant – ESR 1157

PRODUCT INFORMATION

Packaging	18.9 L pails, 16.8 kg per pail, 48 pails per pallet
Shelf Life	12 months if stored properly in original unopened, sealed and undamaged packaging
Storage Conditions	Store in tightly closed containers in temperatures between -4°F (-20°C) and 86°F (30°C)
Volatile organic compound (VOC) content	694.2 g/L

Consumption

The coverage rate may vary depending on substrate porosity, ambient temperature, and experience. The typical coverage rate for the following applications are:

- Non-felt membrane: 1.3 - 1.6 m²/L
- Felt-back membrane: 1.1 - 1.2 m²/L

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.

LIMITATIONS

Precautions should be taken to prevent odours and/or vapours from entering the building/structure, including but not limited to turning off and sealing air intake vents or other means of ingress for odours and/or vapours into the building/structure during product application and cure.

- Do not apply in wet weather or to a wet surface.
- Do not install when air temperature is within 5°F (3°C) of dew point.
- Open time varies depending on weather and temperature conditions.
- Eliminate uneven surfaces to ensure positive contact between the membrane and the substrate.
- Unused adhesive can be saved for use at a later date by resealing the pail cover.

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

All work surfaces should be clean, dry, free of dirt, dust, debris, oils and other contaminants. 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.

MIXING

Stir well before use.

APPLICATION

General Application:

Apply Sarnacol®-2170 (US) using solvent-resistant ¾" (19 mm) nap paint rollers in a smooth, even coating with no gaps, globs, puddles or similar inconsistencies. Clean any wet adhesive from the seams before weld-

ing.

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

Apply Sarnacol®-2170 (US) to the substrate at a rate of 400-500ml/m² and allow to dry. After the substrate adhesive has dried completely, apply Sarnacol®-2170 (US) to the back side of the membrane at a rate of 200ml/m² and allow to become tacky (producing strings) when touched with a dry finger. Do not allow the adhesive on the back of the membrane to dry. Roll the tacky coated membrane onto the previously coated dry substrate being careful to avoid wrinkles. Press the bonded sheet firmly in place with a minimum 35 kg steel roller by rolling in two directions. Use a hand roller on vertical flashings.

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

Apply Sarnacol®-2170 (US) to the substrate at a rate of 400-500ml/m² and allow to dry. Apply a second coat of adhesive at a rate of 400ml/m² to the previously coated dried substrate. Do not allow the second coat of adhesive to dry. Unroll the membrane immediately into the second layer of wet adhesive. Press the bonded sheet firmly in place with a minimum 35 kg steel roller by rolling in two directions. Use a hand roller on vertical flashings.

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.

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