



## PRODUCT DATA SHEET

# Sarnacol®-2170 VC Adhesive

### SOLVENT-BASED REACTIVATING ADHESIVE

#### PRODUCT DESCRIPTION

Sarnacol®-2170 VC Adhesive is a solvent-based reactivating adhesive used for Sarnafil® or Sikaplan® Adhered roofing systems. It is also used within any Sika approved roofing or waterproofing system for adhering flashings. Sarnacol®-2170 VC Adhesive is formulated for adhering membranes in a two-step process to clean, dry, surfaces with no slope restrictions.

#### WHERE TO USE

Sarnacol®-2170 VC Adhesive is uniquely formulated to be compatible with Sarnafil® and Sikaplan® membranes.

##### Areas of Application

###### Bareback Membrane Substrates

- Isocyanurate organic facer
- Isocyanurate glass facer
- Smooth plywood
- Metal
- Concrete wall
- DensDeck®
- DensDeck Prime®
- Securock® Gypsum-Fiber

###### Feltback Membrane Substrates

- Isocyanurate organic facer
- Isocyanurate glass facer
- Smooth plywood
- Metal
- Concrete deck
- Concrete wall
- Masonry wall
- Cellular concrete
- DensDeck®
- DensDeck Prime®
- Securock® Gypsum-Fiber

#### CHARACTERISTICS / ADVANTAGES

Not applicable

#### APPROVALS / CERTIFICATES

- FM Global
- Underwriters Laboratories
- Underwriters Laboratories of Canada
- ICC Code Compliance – ESR 1157
- Miami-Dade County
- Florida Building Code
- CSA-A123.21

#### PRODUCT INFORMATION

<b>Composition / Manufacturing</b>	Liquid
<b>Packaging</b>	18.9 L (5 US gal.) pails, 16.8 kg (37 lb) per pail, 48 pails/pallet
<b>Appearance / Colour</b>	Milky yellow
<b>Shelf Life</b>	12 months if stored properly in original unopened, sealed and undamaged packaging.

## Storage Conditions

Store in tightly closed containers in temperatures between -20 °C (-4 °F) and 30 °C (86 °F)

## Volatile organic compound (VOC) content

0 g/L with exemptions\*; 348 g/L without EPA exemptions

\* The U.S. EPA considers the solvent in Sarnacol®-2170 VC Adhesive as "exempt", and therefore the product can be used in all jurisdictions operating under the EPA guidelines. At this time, the SCAQMD does not recognize it as "exempt", and therefore the adhesive cannot be used in jurisdictions operating under their guidelines (e.g. specific counties in CA). 2170 VC is not eligible for credits in LEED or Green Globes projects.

## APPLICATION INFORMATION

### Consumption

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

- Bareback membrane: 5.3 m<sup>2</sup> to 6.2 m<sup>2</sup>/L (57 ft<sup>2</sup> to 67 ft<sup>2</sup>/US gal.)
- Feltback membrane: 4.1m<sup>2</sup> to 4.6 m<sup>2</sup>/L (44 ft<sup>2</sup> to 50 ft<sup>2</sup>/US gal.)

## BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

## OTHER DOCUMENTS

### Availability

Sarnacol®-2170 VC Adhesive is available directly from Sika Canada Authorized Applicators when used within a Sika® Sarnafil® Roofing or Waterproofing System. Contact Sika Canada or visit our website at [www.sika.ca](http://www.sika.ca) for further information.

### Warranty

Upon successful completion of the installed roof by the Sika Canada Authorized Applicator, Sika Canada can provide a Warranty to the Building Owner via the Authorized Applicator.

## 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 3 °C (5 °F) 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.

## ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

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

### MIXING

Mix well before use.

### APPLICATION

General Application:

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

Bareback Membrane Application:

Apply Sarnacol®-2170 VC Adhesive to the substrate at a rate of 2 - 2.5 m<sup>2</sup>/L (80 - 100 ft<sup>2</sup>/US gal.) and allow to dry. After the substrate adhesive has dried completely, apply Sarnacol®-2170 VC Adhesive to the back side of the membrane at a rate of 4.9 m<sup>2</sup>/L (200 ft<sup>2</sup>/US gal.), 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 45 kg (100 lb) steel roller by rolling in two directions. Use a hand roller on vertical flashings.

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### Feltback Membrane Application:

Apply Sarnacol®-2170 VC Adhesive to the substrate at a rate of 2 - 2.5 m<sup>2</sup>/L (80 - 100 ft<sup>2</sup>/US gal.) and allow to dry. Apply a second coat of adhesive at a rate of 2.5 m<sup>2</sup>/L (100 ft<sup>2</sup>/US gal.) 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 45 kg (100 lb) steel roller by rolling in two directions. Use a hand roll on vertical flashings.

## MAINTENANCE

As a prudent preventative measure, Sika Canada recommends that the Owner or that the Owner's designated representative inspect the installed roof system for damage, flashings, plugged drains, weathered sealants, etc. at least twice a year and after each storm.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

### **Sika Canada Inc.**

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[www.sika.ca](http://www.sika.ca)

### **Other locations**

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

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