

# PRODUCT DATA SHEET

## SARNACOL® 2170 VC

Sarnacol® 2170 VC Membrane 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 is formulated for adhering membranes in a two-step process to clean, dry, surfaces with no slope restrictions.

### PRODUCT INFORMATION

#### USES

Sarnacol 2170 VC 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 Face
- Isocyanurate Glass Facer
- Smooth Plywood
- Metal
- Concrete Deck
- Concrete Wall
- Masonry Wall
- Cellular Concrete
- DensDeck®
- DensDeck Prime®
- Securock® Gypsum-Fiber

#### TESTS

#### CODES/APPROVALS

- ICC Code Compliance – ESR 1157

PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT USA.SARNAFIL.SIKA.COM OR BY CALLING SIKA SARNAFIL'S TECHNICAL SERVICE DEPARTMENT AT 800-451-2504. NOTHING CONTAINED IN ANY SIKA MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH SIKA PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

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## PRODUCT DATA

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### FORM

### COMPOSITION

Liquid

### COLOR

Milky Yellow

### VOC CONTENT

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

\* The U.S. EPA considers the solvent in Sarnacol 2170 VC 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.

### PACKAGING

5 gal (18.9 L) pails, 37 lbs (16.8 kg) per pail, 48 pails per pallet

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### STORAGE

### STORAGE CONDITIONS

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

### SHELF LIFE

12 months if stored properly in original unopened, sealed and undamaged packaging.

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## SYSTEM INFORMATION

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### APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

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

### MIXING

Mix well before use.

### APPLICATION METHOD / TOOLS

General Application:

Apply Sarnacol 2170 VC using solvent-resistant ¾ in (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 welding.

Bareback Membrane Application:

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

Feltback Membrane Application:

Apply Sarnacol 2170 VC to the substrate at a rate of 80 - 100 sf/gal (2 - 2.5 m<sup>2</sup>/L) and allow to dry. Apply a second coat of adhesive at a rate of 100

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sf/gal (2.5 m<sup>2</sup>/L) 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 100 lb (45 kg) steel roller by rolling in two directions. Use a hand roll on vertical flashings.

**COVERAGE**

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

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

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**PRODUCT LIMITATIONS**

**LIMITATIONS:**

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

- Do not apply in wet weather or to a wet surface.
- Do not apply in wet weather or to a wet surface.
- Do not install when air temperature is within 5° 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.

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**AVAILABILITY**

From Sika Corporation – Roofing Authorized Applicators for use within Sarnafil or Sikaplan Systems.

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**MAINTENANCE**

Standard maintenance of roofs, green roofs and plaza decks should include regular inspection of flashings, drains and termination sealants at least twice a year and after each storm.

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**WARRANTY**

As a Sika supplied accessory, Sarnacol 2170 VC is covered under Sika Corporation warranties.

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