

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

USES

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
- Glass Face Gypsum
- Prime Glass Faced Gypsum
- Securock® Gypsum-Fiber

Feltback Membrane Substrates

- Isocyanurate Organic Face
- Isocyanurate Glass Facer
- Smooth Plywood
- Metal
- Concrete Deck
- Concrete Wall
- Masonry Wall
- Cellular Concrete
- Glass Face Gypsum
- Prime Glass Faced Gypsum

- Securock® Gypsum-Fiber

CHARACTERISTICS / ADVANTAGES

Low temperature applications

APPROVALS / STANDARDS

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

Product Data Sheet

Sarnacol®-2170 VC Adhesive
January 2022, Version 06.01
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PRODUCT INFORMATION

Chemical Base	Liquid
Packaging	5 gal (18.9 L) pails, 37 lbs (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	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

Coverage	The coverage rate may vary depending on substrate porosity, ambient temperature, and experience. The typical coverage rate for the following applications are: <ul style="list-style-type: none">▪ Bareback membrane: 57 – 67 ft²/gal (1.3 – 1.6 m²/L)▪ Feltback membrane: 44 – 50 ft²/gal (1.1 – 1.2 m²/L)
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BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

AVAILABILITY/WARRANTY

AVAILABILITY

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

WARRANTY

Upon successful completion of the installed roof by the Sika Authorized Applicator in compliance with Sika requirements, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

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.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

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 using solvent-resistant 3/4" (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 ft²/gal (2 – 2.5 m²/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 ft²/gal (4.9 m²/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 75 lb (34 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 ft²/gal (2 - 2.5 m²/L) and allow to dry. Apply a second coat of adhesive at a rate of 100 ft²/gal (2.5 m²/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 75 lb (34 kg) steel roller by rolling in two directions. Use a hand roll on vertical flashings.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or 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 label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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