

PRODUCT DATA SHEET

SARNACOL® 2121

Sarnacol® 2121 Membrane Adhesive is a water-based dispersion adhesive used for Sarnafil® or Sikaplan® Adhered roofing systems. Sarnacol 2121 is formulated for adhering membranes as a wet lay in to clean, dry, water absorbent, horizontal roof surfaces with slopes up to 2/12 (10°). Consult latest technical bulletins or contact Sika-Roofing Technical Department for steep slope or other methods of application.

PRODUCT INFORMATION

USES

Sarnacol 2121 is uniquely formulated to be compatible with Sarnafil and Sikaplan Adhered membranes.

AREAS OF APPLICATION

Bareback Membrane Substrates

- Isocyanurate Organic Faced
- Isocyanurate Glass Faced
- Smooth Plywood
- Dens-Deck®
- Dens-Deck Prime®

Feltback Membrane Substrates

- Isocyanurate Organic Faced
- Isocyanurate Glass Faced
- Smooth Plywood
- Concrete Deck
- Cellular Concrete
- Dens-Deck®
- Dens-Deck Prime®
- Securock® Gypsum-Fiber

TESTS

CODES/APPROVALS

- ICC Code Compliance – ESR 1157

PRODUCT DATA

FORM

COMPOSITION

Liquid

COLOR

Cream

VOC CONTENT

240 g/l

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PACKAGING

5 gal (18.9 L) pails, 45 lbs (20.4 kg) per pail, 48 pails per pallet

STORAGE**STORAGE CONDITIONS**

Store in tightly closed containers in temperatures between 40°F (5°C) and 99°F (37°C)

SHELF LIFE

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

SYSTEM INFORMATION

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 using a drill and mixing blade.

APPLICATION METHOD / TOOLS

General Application:

Sarnacol 2121 is designed for “wet lay in”. Care must be taken to ensure the adhesive has not skinned over or dried before the membrane is laid in place. This is especially important during applications at high temperatures.

Adjustments may be needed in the application technique to ensure a wet lay in. It is recommended that only 3 ft - 4 ft (0.9 m - 1.2 m) of adhesive is coated out ahead of the membrane to prevent dry laid membrane. Clean any wet adhesive from the seams before welding. Roll the membrane into the adhesive while it is still wet being careful to avoid wrinkles. Immediately begin brooming to work out any air bubbles starting at the center of the membrane and brooming to the sides with a medium bristle push broom. After brooming, roll the membrane in two directions with a minimum 100 lb (45 kg) steel roller.

Roller Application:

Apply the adhesive only to the substrate and not the membrane using a 3/8 in - 1/2 in (9.5 mm - 12.7 mm) medium nap roller up to 18 in (45.7 cm) wide. The adhesive is poured onto the substrate in ribbons followed by rolling and spreading evenly.

Spray Application:

The airless sprayer must be able to generate pressure up to 3000 PSI (207 Bar) and should be able to deliver a minimum of 1.5 GPM (5.6 L/min). Larger spray units will allow for longer hose runs and increased production. The hose should be a minimum of 1/2 in (12.7 mm) diameter with a 3/8 in (9.5 mm) whip 10 ft (3.1 m) long leading up to the gun. Sarnacol 2121 has a high viscosity and may clog the filters of the airless sprayer. It is recommended that all filters in the spray rig and spray gun be removed and cleaned at the end of each day. Use a minimum tip size of .027 in - .035 in (.68 mm - .88 mm) however, the tip size can be increased to .045 in (1.1 mm) for greater throughput. Apply the adhesive using a fan pattern determined by the user. A wide fan pattern will cover more area faster but may be more difficult to control and may be more prone to overspray. Generally a fan pattern of 10 in - 12 in (25.4 cm - 30.5 cm) wide held 12 in (30.5 cm) off of the substrate is recommended.

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COVERAGE

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

Roller: 100 sf/gal (2.5 m²/L)

Spray: 133 sf/gal (3.3 m²/L)

100 sf/gal (2.5 m²/L) for concrete and DensDeck®

APPLICATION NOTES

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.
 - The minimum product temperature before application should be 72°F (22°C).
 - **The minimum ambient and surface temperatures should be 40°F (4°C) and rising during application and drying time.**
 - Open time varies depending on weather and temperature conditions.
 - Do not allow the adhesive to skin over.
 - 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.

MAINTENANCE

Standard maintenance of Sarnafil or Sikaplan systems should include regular inspection of flashing, drains, and termination sealants at least twice a year and after each storm.

WARRANTY

As a Sika supplied accessory, Sarnacol 2121 is covered under Sika Corporation warranties.

LEGAL NOTES

All information provided by Sika Corporation (“Sika”) concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika’s current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika’s instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika’s control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at usa.sarnafil.sika.com or by calling 800-451-2504.

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’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 instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer’s sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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.

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Product Data Sheet
Sarnacol 2121
7-26-17 Version # 5

North America
Adhesive



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