



PRODUCT DATA SHEET

Sarnacol® AD Feltback Membrane Adhesive

SARNACOL AD FELTBACK MEMBRANE ADHESIVE IS A TWO-COMPONENT FOAMABLE POLYURETHANE ADHESIVE

PRODUCT DESCRIPTION

Sarnacol® AD Feltback Membrane Adhesive is a two-component foamable polyurethane adhesive that is applied in one step and sets up in minutes.

USES

Sarnacol AD Feltback Membrane Adhesive is used to bond Sarnafil® and Sikaplan Adhered feltback membranes to approved substrates.

Areas of Application

Sika Approved Substrates

- Concrete
- Light Weight Insulated Concrete
- Gypsum
- Mineral Surface Asphalt
- Aged Smooth Asphalt
- Approved Sika Modified Ply Sheets

Sika Approved Insulations and Cover Boards

- Polyisocyanurate Insulations
- High Density Polyisocyanurate Roof Boards
- Gypsum Cover Boards

CHARACTERISTICS / ADVANTAGES

- Low VOC
- Rapid application with appropriate dispensing tools
- Chemical cure for fast set up and dry in times

APPROVALS / STANDARDS

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

PRODUCT INFORMATION

Chemical Base	Liquid
Packaging	<ul style="list-style-type: none">▪ 1.5 L (0.4 gal) dual cartridge, 4 dual cartridges per case; 19 lbs (8.6 kg) per case, 48 cases per pallet▪ 10 gal (37.8 L) box set: 5 gal (18.9 L) 53 lb (24 kg) of Part 1 and 5 gal (18.9 L) 45 lb (20.4 kg) of Part 2, 18 box sets per pallet▪ 30 gal (113.4 L) drum set: 15 gal (56.7 L) 155 lb (70.3 kg) of Part 1 and 15 gal (56.7 L) 133 lb (60.3 kg) of Part 2, 4 drum sets per pallet▪ 100 gal (378.4 L) drum set: 50 gal (189.2 L) 540 lb (244.9 kg) of Part 1 and 50 gal (189.2 L) 465 lb (210.9 kg) of Part 2, 2 drum sets per pallet
Appearance / Color	Off-White to Light Amber
Shelf Life	18 months if stored properly in original unopened, sealed and undamaged packaging.
Storage Conditions	Store in a dry location, not in direct sunlight, and temperatures between 45°F (7°C) and 95°F (35°C). Store boxes valve side up. Protect from freezing at all times. Keep containers closed. Contamination by moisture or basic compounds can cause dangerous pressure build-up in a closed container.
Volatile organic compound (VOC) content	32 g/L (Part 1 + 2 Combined)
Coverage	<p>1.5 L cartridge is approximately 600 ft² (56 m²) per case</p> <p>Part 1 and Part 2 mixed through an approved low pressure pump cart will produce the following coverage rates:</p> <p>10 gallon (37.8 L) box set: 2,500 - 3,000 ft² (232 - 279 m²) 30 gallon (113.4 L) box set: 7,500 - 9,000 ft² (697 - 869 m²) 100 gallon (378.4 L) box set: 25,000 - 30,000 ft² (2,323 - 2,787 m²)</p> <p>Coverage estimates indicate total square feet of membrane attachment per kit. Rates are based on an application pattern ½" to ¾" (1.3 cm to 1.9 cm) ribbons spaced 12" (30 cm) on center. NOTE: A ½ - ¾" (1.3 - 1.9 cm) wide uncured adhesive bead will produce a 2 - 3" (5.1 cm - 7.6 cm) wide cured adhesive bead that will rise approximately ¾ - 1" (1.9 - 2.5 cm) above the substrate. Coverage rates may be lower when used over irregular surfaces and will vary depending on roughness.</p>

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean, dry, and free of dirt, grease, oil, or other contaminants or particulates. All concrete surfaces must be cured prior to applying Sarnacol AD Feltback Membrane Adhesive.

APPLICATION

Handheld Cartridge Applicator:
Remove the plastic plugs from the cartridge mixing head. Attach a mixing tip to the threaded mixing head. Place the cartridge into the applicator. When starting a new cartridge, dispense some adhesive into a bucket or other suitable receptacle to achieve a proper mix. Apply the Sarnacol AD Feltback Membrane Adhesive directly to the substrate, using a ribbon pattern. Apply

adhesive in 1/2 - 3/4" (13 - 19 mm) wide wet beads. Ribbon spacing will depend on the wind uplift rating required.

Allow the adhesive to begin rising and place the membrane into the adhesive before the adhesive has skinned over. Adhesive reaction time is slower in cooler temperatures and faster in higher temperatures. Roll the membrane with a minimum 100 lb (45 kg) steel roller to ensure positive contact between the membrane, adhesive and substrate.

Cart Box Set Applicator:

Install Part 1 and Part 2 components following instructions on the packaging. Always ensure that the Part 1 and Part 2 containers are always hooked to the same dispensing holders or hoses (i.e. do not reverse the dispenser holders and hoses between Part 1 and Part 2). All valves on the dispensing unit must be completely opened so a 1:1 ratio is achieved when moving the adhesive through the disposable mix tip and onto the

substrate in a semiliquid state. When starting a new box set, dispense some adhesive into a bucket or other suitable receptacle to achieve a proper mix.

Apply the Sarnacol AD Feltback Membrane Adhesive directly to the substrate, using a ribbon pattern. Apply adhesive in 1/2 - 3/4" (13 - 19 mm) wide wet beads. Ribbon spacing will depend on the wind uplift rating required.

Allow the adhesive to begin rising and place the membrane into the adhesive before the adhesive has skinned over. Adhesive reaction time is slower in cooler temperatures and faster in higher temperatures. Roll the membrane with a minimum 100 lb (45 kg) steel roller to ensure positive contact between the membrane, adhesive and substrate.

MAINTENANCE

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

AVAILABILITY/WARRANTY

Availability

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

Warranty

As a Sika supplied accessory, Sarnacol AD Feltback Membrane Adhesive is eligible for coverage under Sika Corporation System Warranties.

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.
- Condition product to at least 70°F (22°C) before application.
- The minimum ambient and surface temperatures should be 25°F (-4°C) and rising.
- All boards must lay flat upon roof surface.
- Unused adhesive can be applied at a later date by simply replacing the mixing tip.
- Do not allow the adhesive to skin over.

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.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

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.**

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