



PRODUCT DATA SHEET

Sarnacol® AD Feltback Membrane Adhesive

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.

WHERE TO USE

Used to bond Sarnafil® and Sikaplan® Adhered feltback membranes to approved substrates.

AREAS OF APPLICATION

Approved Substrates

- Mineral Surface Asphalt
- Aged Smooth Asphalt
- Approved Sika Vapor Retarders
- Approved Sika Ply Sheets

Approved Insulations and Cover Boards

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

PRODUCT INFORMATION

Composition / Manufacturing	Liquid
Packaging	<ul style="list-style-type: none"> ▪ 1.5 L (0.4 US gal.) dual cartridge, 4 dual cartridges per case; 8.6 kg (19 lbs) per case, 48 cases per pallet ▪ 37.8 L (10 US gal.) box set: 18.9 L (5 US gal.) 24 kg (53 lb) of Part 1 and 18.9 L (5 US gal.) 20.4 kg (45 lb) of Part 2, 18 box sets per pallet ▪ 113.4 L (30 US gal.) drum set: 56.7 L (15 US gal.) 70.3 kg (155 lb) of Part 1 and 56.7 L (15 US gal.) 60.3 kg (133 lb) of Part 2, 4 drum sets per pallet ▪ 378.4 L (100 gal) drum set: 189.2 L (50 US gal.) 244.9 kg (540 lb) of Part 1 and 189.2 L (50 US gal.) 210.9 kg (465 lb) of Part 2, 2 drum sets per pallet
Appearance / Colour	Off-White to Light Amber

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / CERTIFICATES

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

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 7°C (45°F) and 35°C (95°F). 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)

APPLICATION INFORMATION

Consumption	<p>1.5 L cartridge is approximately 56 m² (600 ft²) per case Part 1 and Part 2 mixed through an approved low pressure pump cart will produce the following coverage rates:</p> <p>37.8 L (10 US gal.) box set: 232 - 279 m² (2,500 - 3,000 ft²) 113.4 L (30 US gal.) box set: 697 - 869 m² (7,500 - 9,000 ft²) 378.4 L (100 US gal.) box set: 2,323 - 2,787 m² (25,000 - 30,000 ft²)</p> <p>Coverage estimates indicate total square feet of membrane attachment per kit. Rates are based on an application pattern 1.3 cm to 1.9 cm (½ in to ¾ in) ribbons spaced 30 cm (12 in) on center. NOTE: A 1.3 - 1.9 cm (½ - ¾ in) wide uncured adhesive bead will produce a 5.1 cm - 7.6 cm (2 - 3 in) wide cured adhesive bead that will rise approximately 1.9 - 2.5 cm (¾ - 1 in) above the substrate. Coverage rates may be lower when used over irregular surfaces and will vary depending on roughness.</p>
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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® AD Feltback Membrane 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 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 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 22°C (70°F) before application.
- The minimum ambient and surface temperatures should be -4°C (25°F) 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.

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 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 13 - 19 mm (1/2 - 3/4") 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 45 kg (100 lb) 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 13 - 19 mm (1/2 - 3/4 in) 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 45 kg (100 lb) steel roller to ensure positive contact between the membrane, adhesive and substrate.

MAINTENANCE

Standard maintenance of Sarnafil® or Sikaplan® systems should include regular inspections of flashings, drains, and termination sealants 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

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