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

**PRODUCT INFORMATION**

**USES**

Sarnacol AD Feltback Membrane Adhesive is used to bond Sarnafil® 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 Ply Sheets

- Sika Approved Insulations and Cover Boards
  - Polyisocyanurate Insulations
  - High Density Polyisocyanurate Roof Boards
  - Gypsum Cover Boards

**FEATURES / BENEFITS**

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

**TESTS**

**CODES / APPROVALS**

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

FORM

COMPOSITION
Liquid

COLOR
Off White to Light Amber

VOC CONTENT
32 g/l (Part 1 + 2 Combined)

PACKAGING
- 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

STORAGE

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.

SHELF LIFE
18 months if stored properly in original unopened, sealed and undamaged packaging.

SYSTEM INFORMATION

APPLICATION INSTRUCTIONS

SURFACE 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 METHOD / TOOLS
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 in - 3/4 in (13 mm - 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 semi-liquid state. When starting a new box set, dispense some adhesive into a bucket or other suitable receptacle to achieve a proper mix.

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**COVERAGE**

Application rates vary depending on surface roughness and absorption rate of the substrate. Typical coverage rates when using the:
- 1.5 L cartridge is approximately 600 sq. ft. (56 m²) per case
- 10 gallon box set is 2,000 to 2,500 sq. ft. (185 to 232 m²)

Rates are based on an application of 12 in (30 cm) o.c. ribbons.

**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.
- Condition product to at least 70°F (22°C) before application.
- The minimum ambient and surface temperatures should be 40°F (4.4°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.

**AVAILABILITY**

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

**MAINTENANCE**

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

**WARRANTY**

As a Sika supplied accessory, Sarnacol AD Feltback Membrane Adhesive is covered under Sika Corporation warranties.
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.

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.

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