

Sika Sarnafil

World Class Roofing and Waterproofing

ROOFING TECHNICAL BULLETIN

#03-13

To: Roofing Consultants
Authorized Roofing Applicators
Sika Sarnafil Sales Staff & Sales Representatives
Sika Sarnafil Regional Technical Staff
Sika Sarnafil Customer Service Staff
Sika Sarnafil Services Staff
Sika Sarnafil Marketing

From: Sika Sarnafil Technical Service Department

Date: February 7, 2013

Subject: Sarnacol AD Feltback Membrane Adhesive

Description:

Sika Sarnafil has added a new feltback membrane adhesive to their existing adhesive offerings: Sarnacol AD Feltback Membrane Adhesive, a two-component foamable polyurethane adhesive that is applied in one step and sets up in minutes. Sarnacol AD Feltback Membrane Adhesive is used to bond feltbacked Sika Sarnafil membranes to approved substrates. The following technical bulletin outlines the areas of applications with approved boards and substrates as well as coverage rates and the application options available for Sarnacol AD Feltback Membrane Adhesive.

Areas of Application:

Approved Substrates:

Concrete
Light Weight Insulated Concrete
Mineral Surface Asphalt Roofs
Aged Smooth Surface Asphalt Roofs
Gypsum Deck

Approved Insulation & Roof Boards:

Polyisocyanurate Insulation
Gypsum Roof Boards
High Density ISO Roof Boards

Coverage:

Application rates vary depending on surface roughness and absorption rate of the substrate. Typical coverage rates when using the cartridges is 400 to 600 ft² (37 to 56 m²) per case (4, 1.6 gal 1.5 L cartridges). Typical coverage rates for the 5 gal (18.9 L) box sets are 1,800 to 2,200 ft² (167 to 204 m²). All coverage rates are based on 12 in (30 cm) on center maximum spacing.



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Applications:

Cartridge Application:

Remove the plastic plug from the cartridge mixing head. Attach a mixing tip to the threaded mixing head. Place the cartridge into the applicator. When starting a new tube, some of the material should be pumped out initially into a bucket or other suitable receptacle to make sure of a proper mix. Apply the Sarnacol AD Feltback Membrane Adhesive directly to the substrate using a ribbon pattern. Space 1 in (25 mm) wide beads at a maximum of 12 in (30.5 cm) o.c. spacing to achieve proper coverage rate. Actual ribbon spacing will depend on the wind uplift rating required. Allow the adhesive to begin to rise before placing the insulation or roof board into the adhesive. The adhesive is designed to provide approximately 5-10 minutes* of open time during a typical summer day.

Box Sets:

Install Part A and Part B components following instructions on the packaging. Always insure that the Part A and Part B containers are always hooked to the same dispensing holders or hoses (i.e. do not reverse the dispenser holders and hoses between Part A and Part B). All valves on the dispensing unit must be completely opened so a 1:1 ratio is achieved when moving the adhesive through the disposable mixing tip and onto the substrate in a semi-liquid state. Apply the Sarnacol AD Feltback Membrane Adhesive directly to the substrate using a ribbon pattern. Space 1 in (25 mm) wide beads at a maximum of 12 in (30.5 cm) o.c. spacing to achieve proper coverage rate. Actual ribbon spacing will depend on the wind uplift rating required. Allow the adhesive to begin to rise before placing the insulation or roof board into the adhesive. The adhesive is designed to provide approximately 5-10 minutes* of open time during a typical summer day. Unused adhesive can be applied at a later date by simply replacing the mixing tip.

Limitations:

- Do not apply in wet weather or to a wet surface.
- Bring temperature of material to approximately 70°F (22°C) before use for best application.
- The minimum ambient and surface temperatures should be 40°F (5°C) and rising.
- Open time, from time of dispensing, is approximately 5-10 minutes*.
- The open time will be shorter on hot humid days and longer on cold dry days.
- Do not allow the adhesive to skin over.
- Eliminate uneven surfaces to ensure positive contact between the substrate and/or insulation or roof boards.
- 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 during product application and cure.

* All times are approximate and dependent on weather conditions including but not limited to ambient and surface temperatures.



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