

Sika Sarnafil

World Class Roofing and Waterproofing

ROOFING TECHNICAL BULLETIN

#05-12

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

From: Technical Service Department

Date: February 7, 2013

Subject: Rev 2/7/13 Sarnacol OM Feltback Membrane Adhesive

Description:

Sika Sarnafil has added a new feltback membrane adhesive to their existing adhesive offerings: Sarnacol OM Feltback Membrane Adhesive, a two-component foamable polyurethane adhesive that is applied in one step and sets up in minutes. Sarnacol OM 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 OM Feltback Membrane Adhesive.

Areas of Application:

Approved Insulation Boards:

Polyisocyanurate Insulation
High Density ISO Cover Boards
Gypsum Cover Boards

Approved Substrates:

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

Coverage:

Application rates vary depending on surface roughness and absorption rate of the substrate. Typical coverage rates for the box sets are 10 –20 squares per 10 gallons. Typical coverage rates when using the cartridge is 4 –6 squares per case (4, 1500 ml cartridges). All coverage rates are based on 12 inch (304.8mm) on center maximum spacing. Actual ribbon spacing will depend on the wind uplift rating required.



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Application:

Cartridge Application:

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 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 OM Feltback Membrane Adhesive directly to the substrate using a ribbon pattern. Space the 1 in. (25 mm) wide wet beads at a maximum of 12 in. (30 cm) o.c. to achieve proper coverage rate. Actual ribbon spacing will depend on the wind uplift rating required. Allow the adhesive to turn to a caramel color (approx. 5-10 minutes*) before placing the feltback membrane into the adhesive. The adhesive is designed to provide approximately 5-10 minutes* of open time during a typical summer day. The membrane must be positioned, broomed, and rolled into place quickly. A 100 pound steel membrane roller must be used to roll the membrane.

Box Sets:

Install Part 1 and part 2 components following instructions on the packaging. Always insure 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. Apply the Sarnacol OM Feltback Membrane Adhesive directly to the substrate using a ribbon pattern. Space the 1 in. (25 mm) wide wet beads at a maximum of 12 in. (30 cm) o.c. to achieve proper coverage rate. Actual ribbon spacing will depend on the wind uplift rating required. Allow the adhesive to turn to a caramel color (approx. 5-10 minutes*) before placing the feltback membrane into the adhesive. The adhesive is designed to provide approximately 5-10 minutes* of open time during a typical summer day. The membrane must be positioned, broomed, and rolled into place quickly. A 100 pound steel membrane roller must be used to roll the membrane. Unused adhesive can be applied at a later date by simply replacing the mixing tip.

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 72F.
- The minimum ambient and surface temperatures should be 40F and rising.
- Open time is approximately 5-10 minutes*, depending on weather and temperature conditions.
- 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 feltbacked membrane and the substrate.

* All times are approximate and dependent on ambient and substrate temperatures.



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