

Sika Sarnafil

World Class Roofing and Waterproofing

ROOFING TECHNICAL BULLETIN

#04-13

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 Board Adhesive

Description:

Sarnacol AD Board Adhesive is a two-component foamable polyurethane adhesive that is applied in one step and sets up in minutes. Sarnacol AD Board Adhesive is used to bond insulation and roof boards to approved substrates or to other insulation boards. The following technical bulletin outlines the areas of application with approved substrates, insulation, and roof boards, as well as a typical coverage rate and the application option available for Sarnacol AD Board Adhesive.

Areas of Application:

Approved Substrates:

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

Approved Insulation & Roof Boards:

Polyisocyanurate Insulation
Polystyrene 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 rate for the 5 gal (18.9 L) box sets are 1,800 to 2,200 ft² (167 to 204 m²). Coverage rate is based on wide wet beads at 12 in (30 cm) o.c. spacing.



Sika Sarnafil, A Division of Sika Corporation, 100 Dan Road, Canton, MA 02021
Tel. 800-451-2504, Fax: 781-828-5365, www.sikacorp.com

Sarnafil®

Sika Sarnafil

World Class Roofing and Waterproofing

Application:

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 Board 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.



Sarnafil®