

PRODUCT DATA SHEET

SARNACOL® OM ADHESIVE

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

PRODUCT INFORMATION

USES

- Used to bond insulations and cover boards to approved substrates and/or to intermediate insulation boards
- Used to bond Sarnafil® and Sikaplan® feltback membranes to approved substrates

AREAS OF APPLICATION

Sika Approved Substrates

- Concrete
- Light Weight Insulated Concrete
- Cementitious Wood Fiber
- Gypsum
- Mineral Surface Asphalt
- Aged Smooth Asphalt
- Approved Sika Vapor Retarders
- Approved Sika Base Sheets
- Approved Sika Ply Sheets

Sika Approved Insulations and Cover Boards

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

FEATURES / BENEFITS

- Low odor
- Low VOC
- Pressurized canister set does not require any specialized application equipment or rooftop power
- Chemical cure for fast set up and dry in time

TESTS

CODES / APPROVALS

- FM Global
- Underwriters Laboratories
- Miami-Dade County
- Florida Building Code

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.

PRODUCT DATA

FORM

COMPOSITION

Liquid

COLOR

Part A: Cream

Part B: Red

Part A + B Mixed: Pink

VOC CONTENT

25 g/l (Part A + B Combined)

PACKAGING

- Canister set: 48 lbs (21.8 kg) of Part A and 44 lb (20 kg) of Part B
 - Canister set includes a disposable 25 ft (7.6 m) application hose, gun assembly, 6 mix tips and 3 - 17 in (0.43 m) extension tubes
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STORAGE

STORAGE CONDITIONS

Store at room temperature between 60°F (16°C) and 90°F (32°C) in a dry area. Do not expose products to open flame or temperatures above 100°F (38°C).

Partially used canisters:

- Turn the valves into their OFF position
- Do not drain the chemical from the hoses
- Slide the safety on the applicator gun into the LOCKED position
- Remove the old nozzle, but do not throw away. Clean off the end of the gun to ensure the chemical exits are not obstructed. Apply fresh lubricant to the black rubber O-ring. Reattach the old nozzle, which, when clogged with adhesive, will keep air and moisture out of the lines
- After every 7 days without use, dispense a small amount of chemical to prevent crystallization from occurring in the hoses
- Remaining contents must be dispensed within 30 days of the date of initial use
- Do not transfer used hoses to a new canister set in order to prevent cross-contamination

SHELF LIFE

12 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 OM Adhesive.

APPLICATION METHOD / TOOLS

Attaching hoses to canisters:

- Remove hose and applicator assembly from carton
 - Shake canisters back and forth 30 times to get best mix. Put canisters back in carton
 - Insert hoses through holes in side of carton
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- Attach swivel fitting on red striped hose and finger tighten to the valve outlet on top of the red canister (Part A)
 - Attach fitting on clear hose and finger tighten to the valve outlet of the white canister (Part B)
 - Tighten both fittings with the 9/16 in wrench provided by turning an additional 1/6 turn until firmly attached. DO NOT OVERTIGHTEN. Close lid of each carton to protect from sun, wind and dirt

Application tips and techniques:

- Apply lubricant to black rubber O-ring. Insert gun into mix tip and then twist to 'lock' it in place.
- For stand-up applications, users can elect to attach an extension tube to the mix tip. Slide the collar attached to the extension tube over the end of the mix tip until it fits snugly
- Protect all surfaces in the immediate area of application from accidental contact with adhesive. Uncured foam may be cleaned off by using any commercially available polyurethane foam cleaner.
- Change spray nozzle after 30 seconds of non-use.

Board application:

Apply the Sarnacol OM Adhesive directly to the substrate using a ribbon pattern. Space 1-1/4 in (32 mm) wide semi-foamed 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.

The adhesive will quickly rise to approximately 1 in (25 mm) above the substrate. Place the boards into the adhesive shortly after it has reached its maximum rise while it is still wet and tacky and before it reaches its tack free state. Maximum rise typically occurs within 2 minutes of application. The tack free time is usually 3 to 5 minutes. Walk the boards into place and ballast.

A chemical cure takes place securing the board in approximately 4 to 8 minutes after application, depending on temperature and weather conditions. The set up time is typically 10 to 12 minutes. The tack free time and set up time will decrease as temperature increases. Multiple layers of boards should use the staggered joint method of application.

Feltback membrane application:

Apply the Sarnacol OM Adhesive directly to the substrate using a ribbon pattern. Space the 1-1/4 in (32 mm) wide 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.

Place the feltback membrane into the adhesive shortly after it has reached its maximum rise while it is still wet and tacky but before it reaches a tack-free state.

The adhesive is designed to provide approximately 4-8 minutes of open time during a typical summer day. The membrane must be positioned and rolled into place quickly. A minimum 100 lb (45 kg) steel roller must be used to roll the membrane.

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COVERAGE

Board application:

- 3500 sf (325 m²) per set depending on the weather conditions and insulation/board type

Rate is based on an application pattern of 4 ribbons, 1-1/4 in (32 mm) beads, 12 in (30 cm) o.c. per 4 ft x 4 ft (1.2 m x 1.2 m) insulation board.

Feltback membrane application:

- 3500 sf (325 m²) per set depending on surface roughness and absorption rate of the substrate.

Rate is 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
 - Canisters and contents must be brought to between 70°F (21°C) and 90°F (32°C) for use. This normally requires 36 to 72 hours at room temperature.
 - Apply when the surface and ambient temperature is between 40°F (4°C) and 100°F (38°C)
 - Not recommended for use with insulation boards larger than 4' x 4' (1.2 m x 1.2 m)
 - All boards must lay flat upon roof surface
 - Do not allow the adhesive to skin over
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AVAILABILITY

From Authorized Applicators when used within Sarnafil or Sikaplan roofing and waterproofing systems.

MAINTENANCE

Standard maintenance of roofs 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 OM Adhesive is covered under Sika Corporation warranties.

LEGAL NOTES

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