

## PRODUCT DATA SHEET

# Sarnacol® OM Adhesive

Two-component foamable polyurethane adhesive

### PRODUCT DESCRIPTION

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

### USES

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

### AREAS OF APPLICATION

Approved Substrates

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

\*Approved for use with insulation and cover boards only

Approved Insulations and Cover Boards

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

### CHARACTERISTICS / ADVANTAGES

- 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

### APPROVALS / STANDARDS

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

## PRODUCT INFORMATION

<b>Chemical Base</b>	Liquid
<b>Packaging</b>	<ul style="list-style-type: none"><li>▪ Canister set: 48 lbs (21.8 kg) of Part A and 44 lb (20 kg) of Part B</li><li>▪ Canister set includes a disposable 25 ft (7.6 m) application hose, gun assembly, six mix tips and three - 17" (0.43 m) extension tubes</li></ul>
<b>Shelf Life</b>	16 months if stored properly in original unopened, sealed, and undamaged packaging.
<b>Storage Conditions</b>	<p>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).</p> <p>Partially used canisters:</p> <ul style="list-style-type: none"><li>▪ Turn the valves into their OFF position</li><li>▪ Do not drain the chemical from the hoses</li><li>▪ Slide the safety on the applicator gun into the LOCKED position</li><li>▪ 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</li><li>▪ After every 7 days without use, dispense a small amount of chemical to prevent crystallization from occurring in the hoses</li><li>▪ Remaining contents must be dispensed within 30 days of the date of initial use</li><li>▪ Do not transfer used hoses to a new canister set in order to prevent cross-contamination</li></ul>
<b>Volatile organic compound (VOC) content</b>	25 g/L (Part A + B Combined)
<b>Coverage</b>	<p>Board application: 3500 ft<sup>2</sup> (325 m<sup>2</sup>) per set depending on the weather conditions and insulation/board type.</p> <p>Rate is based on an application pattern of 4 ribbons, 1-1/4" (32 mm) beads, 12" (30 cm) o.c. per 4 ft x 4 ft (1.2 m x 1.2 m) insulation board.</p> <p>Feltback membrane application: 3500 ft<sup>2</sup> (325 m<sup>2</sup>) per set depending on surface roughness and absorption rate of the substrate.</p> <p>Rate is based on an application of 12" (30 cm) o.c. ribbons.</p>

## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

## AVAILABILITY/WARRANTY

### AVAILABILITY

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

### WARRANTY

Upon successful completion of the installed roof by the Sika Authorized Applicator in compliance with Sika

requirements, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

## 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 ft x 4 ft (1.2 m x 1.2 m)

- All boards must lay flat upon roof surface
- Do not allow the adhesive to skin over

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

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

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
- 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" 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" (32 mm) wide semi-foamed beads at a maximum of 12" (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" (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" (32 mm) wide beads at a maximum of 12" (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 75 lb (34 kg) steel roller must be used to roll the membrane.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or 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 label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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