

# PRODUCT DATA SHEET

## SARNACOL® OM BOARD ADHESIVE

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

### PRODUCT INFORMATION

#### USES

Sarnacol OM Board Adhesive is used to bond insulations and cover boards to approved substrates and/or to intermediate insulation boards.

#### 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

##### Sika Approved Insulations and Cover Boards

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

#### FEATURES / BENEFITS

- Low odor
- Low VOC
- Rapid application with appropriate dispensing tools
- Chemical cure for fast set up and dry in times

#### 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.SARNACOL.SIKA.COM](http://USA.SARNACOL.SIKA.COM) OR BY CALLING SIKA SARNACOL'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

Pink

### VOC CONTENT

11 g/l (Part A + B Combined)

### PACKAGING

- 1.5 L (0.4 gal) dual cartridge, 4 dual cartridges per case, 19 lbs (8.6 kg) per case, 40 cases per pallet
- 10 gal (37.8 L) box set: 5 gal (18.9 L) 53 lb (24 kg) of Part A and 5 gal (18.9 L) 45 lb (20.4 kg) of Part B, 16 box sets per pallet
- 30 gal (113.6 L) drum set: 15 gal (56.8 L) 160 lb (72.6 kg) of Part A and 15 gal (56.8 L) 128 lb (58.1 kg) of Part B, 8 drums (4 sets) per pallet
- 110 gal (416.4 L) drum set: 55 gal (208.2 L) 613 lb (278 kg) of Part A and 55 gal (208.2 L) 514 lb (233 kg) of Part B, 4 drums (2 sets) per pallet

---

### STORAGE

### STORAGE CONDITIONS

Cartridges & Box Sets: Store in a cool, dry location at temperatures between 55°F (12.8° C) and 85°F (29.4° C). Protect from freezing at all times. Keep containers closed. Contamination by moisture or basic compounds can cause dangerous pressure build-up in a closed container.

Drum Sets: Store in a well-ventilated, cool, dry location at temperatures between 45°F (7° C) and 95°F (35° C). Protect from freezing at all times. When not in use keep stored containers closed. For long term storage, partially empty containers should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture. Contamination by moisture or basic compounds can cause dangerous pressure build-up in a closed container.

### SHELF LIFE

Cartridges & Box Sets: 18 months if stored properly in original unopened, sealed and undamaged packaging.

Drum Sets: 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 Board Adhesive.

### APPLICATION METHOD / TOOLS

SpotShot Applicator – Cartridges:

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 cartridge, dispense some adhesive into a bucket or other suitable receptacle to achieve a proper mix.

Apply the Sarnacol OM Board Adhesive directly to the substrate using a

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](http://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.

---

ribbon pattern. Space  $\frac{3}{4}$  in - 1 in (19 mm - 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 pink color (approximately 4 - 8 minutes) before placing the boards into the adhesive. Walk boards in, ballast if necessary to achieve proper contact with substrate. Adhesive open time varies depending on weather conditions.

#### PaceCart Installation – 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 mix tip and onto the substrate in a semi-liquid state. When starting a new box set, dispense some adhesive into a bucket or other suitable receptacle to achieve a proper mix.

Apply the adhesive directly to the substrate using a ribbon pattern. Space  $\frac{3}{4}$  in - 1 in (19 mm - 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 pink color (approximately 4 - 8 minutes) before placing the boards into the adhesive. Walk boards in, ballast if necessary to achieve proper contact with substrate. Adhesive open time varies depending on weather conditions.

#### High Pressure Spray Application – Drum Sets:

The Part B (resin) component must be mixed for at least one minute. The A and B components should be sprayed at a 1:1 ratio.

Sarnacol OM Board Adhesive is dispensed in a spray that rises  $\frac{1}{8}$  in (3.2 mm) to  $\frac{1}{4}$  in (6.4 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.

### COVERAGE

Application rates vary depending on surface roughness and absorption rate of the substrate. Typical coverage rates when using the:

- 1.5 L cartridge is approximately 600 sf (56 m<sup>2</sup>) per case
- 10 gallon box set is 1,500 to 2,000 sf (167 m<sup>2</sup> to 204 m<sup>2</sup>)
- 30 & 110 gallon drum sets is 100 sf/gal (0.41 L/m<sup>2</sup>)

Rates are based on an application pattern of 4 ribbons,  $\frac{3}{4}$  in - 1 in (19 mm - 25 mm) beads, 12 in (30 cm) o.c. per 4 ft x 4 ft (1.2 m x 1.2 m) insulation board.

---

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 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.

**Cartridges & Box Sets:**

- Do not apply in wet weather or to a wet surface.
- The minimum product temperature before application should be 72°F (22°C).
- The minimum ambient and surface temperatures should be 40°F (4°C) and rising.
- 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.
- Unused adhesive can be applied at a later date by simply replacing the mixing tip.
- Do not allow the adhesive to skin over.

**Drum Sets:**

- Do not apply during inclement or wet weather.
- Do not apply to a wet surface.
- The minimum product temperature before application should be 72°F (22°C)
- The minimum ambient and surface temperatures should be 35°F (2°C) and rising
- Use only with ventilation which will keep the vapor concentration below the TLV ceiling limit of 0.02 PPM.
- Polyisocyanurate insulation boards cannot be larger than 4' x 4' (1.2 m x 1.2 m).
- Approved insulation other than polyisocyanurate can be 4' x 8' (1.2 m x 2.4 m) maximum size.
- Do not use on large gravel (> 3/8 inch, 9.5 mm), dirty or grease-laden surfaces.
- Do not use on any roof deck that shows sign of deterioration or loss of structural integrity.

---

**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 Board Adhesive is covered under Sika Corporation warranties.

---

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.

---

**LEGAL NOTES**

All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at [usa.sarnafil.sika.com](http://usa.sarnafil.sika.com) or by calling 800-451-2504.

**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](http://usa.sarnafil.sika.com) or by calling Sika'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 instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.**

Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

**NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

---

**SIKA CORPORATION – ROOFING****UNITED STATES**

100 Dan Road  
Canton, MA 02021  
800-451-2504 (p)  
781-828-5365 (f)  
[usa.sarnafil.sika.com](http://usa.sarnafil.sika.com)  
[webmaster.sarnafil@us.sika.com](mailto:webmaster.sarnafil@us.sika.com)

**SIKA CANADA INC.**

6915 Davand Drive  
Mississauga, ON L5T 1L5  
905-795-3177 (p)  
905-795-3192 (f)  
[can.sika.com](http://can.sika.com)  
[marketing.construction@ca.sika.com](mailto:marketing.construction@ca.sika.com)

---

**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](http://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.**

