



## PRODUCT DATA SHEET

# Sarnacol® OM Board Adhesive

### TWO-COMPONENT FOAMABLE POLYURETHANE ADHESIVE

#### PRODUCT DESCRIPTION

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

#### WHERE TO USE

##### Areas of Application

##### Sika Approved Substrates

- Concrete
- Light weight insulated concrete
- Cementitious wood fibre
- Gypsum
- Mineral surface asphalt
- Aged smooth asphalt
- Approved Sika vapour retarders
- Approved Sika base sheets

##### Sika Approved Insulations and Cover Boards

- Polyisocyanurate insulations
- Polystyrene insulations
- High density polyisocyanurate roof boards
- Gypsum cover boards

#### CHARACTERISTICS / ADVANTAGES

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

#### APPROVALS / CERTIFICATES

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

#### PRODUCT INFORMATION

##### Composition / Manufacturing

Liquid

##### Packaging

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

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September 2021, Version 05.01

020945072000000027

<b>Appearance / Colour</b>	Pink
<b>Shelf Life</b>	<p><u>Cartridges &amp; Box Sets:</u> 18 months if stored properly in original unopened, sealed and undamaged packaging.</p> <p><u>Drum Sets:</u> 12 months if stored properly in original unopened, sealed and undamaged packaging.</p>
<b>Storage Conditions</b>	<p><u>Cartridges &amp; Box Sets:</u> Store in a cool, dry location at temperatures between 12.8 °C (55 °F) and 29.4 °C (85 °F). 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.</p> <p><u>Drum Sets:</u> Store in a well-ventilated, cool, dry location at temperatures between 7 °C (45 °F) and 35 °C (95 °F). 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.</p>
<b>Volatile organic compound (VOC) content</b>	11 g/L (Part A + B Combined)

## APPLICATION INFORMATION

<b>Consumption</b>	<p>Application rates vary depending on surface roughness and absorption rate of the substrate. Typical coverage rates when using the:</p> <ul style="list-style-type: none"> <li>▪ 1.5 L cartridge is approximately 56 m<sup>2</sup> (600 ft<sup>2</sup>) per case</li> <li>▪ 10 gallon box set is 167 m<sup>2</sup> to 204 m<sup>2</sup> (1,500 ft<sup>2</sup> to 2,000 ft<sup>2</sup>)</li> <li>▪ 30 &amp; 110 gallon drum sets is 0.41 L/m<sup>2</sup> (100 ft<sup>2</sup>/US gal.)</li> </ul> <p>Rates are based on an application pattern of 4 ribbons, 19 - 25 mm (¾–1 in) beads, 300 mm (12 in) o.c. per 1.2 m x 1.2 m (4 ft x 4 ft) insulation board.</p>
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## BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

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.

## OTHER DOCUMENTS

### Availability

Sarnacol® OM Board Adhesive is available directly from Sika Canada Authorized Applicators when used within a Sika® Sarnafil® Roofing or Waterproofing System. Contact Sika Canada or visit our website at [www.sika.ca](http://www.sika.ca) for further information.

### Cartridges & Box Sets:

- Do not apply in wet weather or to a wet surface.
- The minimum product temperature before application should be 22 °C (72 °F).
- The minimum ambient and surface temperatures should be 4 °C (40 °F) and rising.
- Not recommended for use with insulation boards larger than 1.2 m x 1.2 m (4 ft x 4 ft)
- 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.

### Warranty

Upon successful completion of the installed roof by the Sika Canada Authorized Applicator, Sika Canada can provide a Warranty to the Building Owner via the Authorized Applicator.

### 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 22 °C (72 °F)
- The minimum ambient and surface temperatures should be 2 °C (35 °F) and rising

## LIMITATIONS

Precautions should be taken to prevent odors and/or

- 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 1.2 m x 1.2 m (4 ft x 4 ft).
- Approved insulation other than polyisocyanurate can be 1.2 m x 2.4 m (4 ft x 8 ft) maximum size.
- Do not use on large gravel (9.5 mm, > 3/8 in), dirty or grease-laden surfaces.
- Do not use on any roof deck that shows sign of deterioration or loss of structural integrity.

## ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE 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

#### 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 ribbon pattern. Space 19 - 25 mm (3/4–1 in) wide wet beads at a maximum of 300 mm (12 in) 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 19 - 25 mm (3/4–1 in) wide wet beads at a maximum of 300 mm (12 in) 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 3.2 mm (1/8 in) to 6.4 mm (1/4 in) 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.

## MAINTENANCE

As a prudent preventative measure, Sika Canada recommends that the Owner or that the Owner's designated representative inspect the installed roof system for damage, flashings, plugged drains, weathered sealants, etc. at least twice a year and after each storm.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

#### Product Data Sheet

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**BUILDING TRUST**  
**CONSTRUIRE LA CONFIANCE**



## LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

### **Sika Canada Inc.**

Head Office  
601, avenue Delmar  
Pointe-Claire, Quebec  
H9R 4A9  
1-800-933-SIKA  
[www.sika.ca](http://www.sika.ca)

### **Other locations**

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

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