

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.

USES

Used to bond insulations and cover boards to approved substrates and/or to intermediate insulation boards.

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 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 / STANDARDS

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

PRODUCT INFORMATION

Chemical Base	Liquid
Packaging	<ul style="list-style-type: none">▪ 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▪ 100 gal (378.6 L) drum set: 50 gal (189.3 L) 553 lb (251 kg) of Part A and 50 gal (189.3 L) 465 lb (211 kg) of Part B, 4 drums (2 sets) per pallet
Appearance / Color	Pink
Shelf Life	<p><u>Cartridges & Box Sets:</u> 18 months if stored properly in original unopened, sealed and undamaged packaging.</p> <p><u>Drum Sets:</u> 18 months if stored properly in original unopened, sealed and undamaged packaging.</p>
Storage Conditions	<p><u>Cartridges & Box Sets:</u> 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.</p> <p><u>Drum Sets:</u> 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.</p>
Volatile organic compound (VOC) content	11 g/L (Part A + B Combined)

APPLICATION INFORMATION

Coverage	<p>Application rates vary depending on surface roughness and absorption rate of the substrate. Typical coverage rates when used on:</p> <ul style="list-style-type: none">▪ Concrete is up to 2.5 squares per gallon▪ Lightweight Concrete is up to 1.7 squares per gallon▪ Cementitious Wood Fiber is up to 1.2 squares per gallon▪ Gypsum is up to 1.2 squares per gallon▪ Mineral Surface Asphalt and other Approved Sika Vapor Retarders is up to 1.7 squares per gallon▪ Aged Smooth Asphalt is up to 1.7 squares per gallon▪ Polyisocyanurate and Polystyrene Insulation is up to 2.5 squares per gallon <p>Rates are based on an application pattern of ribbons 12" (30 cm) o.c. If using the 100 gallon drum set (50 gal part A, 50 gal part B), coverage rate is up to 2.0 squares per gallon maximum.</p>
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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

Product Data Sheet
Sarnacol® OM Board Adhesive
October 2021, Version 06.01
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BUILDING TRUST



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

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 ft x 4 ft (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 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 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 ft x 4 ft (1.2 m x 1.2 m).
- Approved insulation other than polyisocyanurate can be 4 ft x 8 ft (1.2 m x 2.4 m) maximum size.
- Do not use on large gravel (> ⅜", 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.

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.

Product Data Sheet
Sarnacol® OM Board Adhesive
October 2021, Version 06.01
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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 ¾ – 1" (19 – 25 mm) wide wet 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. 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 ¾ – 1" (19 – 25 mm) wide wet 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. 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 ⅜" (3.2 mm) to ¼" (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.

MAINTENANCE

Standard maintenance of Sarnafil and Sikaplan systems should include regular inspections of flashings, drains and termination sealants at least twice a year and after each storm.

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 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.

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 the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **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.**

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