

PRODUCT DATA SHEET

Sarnacol®-2175

Spray applied, canister membrane adhesive

PRODUCT DESCRIPTION

Sarnacol® 2175 membrane adhesive is a spray applied, canister adhesive used to bond Sarnafil® or Sikaplan® bareback membranes to approved substrates.

USES

Used to adhere Sarnafil and Sikaplan bareback membranes.

AREAS OF APPLICATION

Approved Substrates

- Plywood
- Concrete
- Concrete Block
- Metal
- Polyisocyanurate Insulations
- High Density Polyisocyanurate Roof Boards
- Gypsum Cover Boards

CHARACTERISTICS / ADVANTAGES

- Compatible with Sarnafil and Sikaplan membranes
- Self-contained, portable spray system for fast application and minimal cleanup
- Quick drying
- Low VOC

APPROVALS / STANDARDS

- FM Global
- ASTM E108 Class A
- ICC Code Compliant - ERS 1157

PRODUCT INFORMATION

Chemical Base	Liquid
Packaging	Canister in carton, 40 lbs (18.14 kg), 36 cartons per pallet
Shelf Life	12 months if stored properly in original unopened, sealed and undamaged packaging.
Storage Conditions	Store canisters between 60°F (16°C) and 90°F (32°C). Do not store in direct sunlight. Contents are flammable. Store in accordance with local, state, and federal regulations.
Color	Blue
Volatile organic compound (VOC) content	198 g/L

APPLICATION INFORMATION

Coverage	Typical coverage rate for a canister is 400 – 600 ft ² (37– 55 m ²) of bonded membrane. Application rate may vary depending on spray pattern, surface roughness and porosity.
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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

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.
- The minimum ambient temperature is 40°F (4°C) and rising.
- The canister temperature must be above 65°F (18°C) during application.
- Do not heat the canister above 100°F (38°C).

- Apply using the Sarnacol 2175 spray gun, spray hose and spray tip.
- Avoid ignition source.
- Sarnacol 2175 is not for use with feltback membranes.
- Sarnacol 2175 is not for use in conventional roofing assemblies with expanded or extruded polystyrene insulation boards.

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

GENERAL

Apply Sarnacol 2175 in ambient temperatures of 40°F (4°C) and rising provided the canister temperature is above 65°F (18°C) during application. The spray pattern will become inconsistent and begin to spit rather than spray when the adhesive temperature drops below 65°F (18°C).

Utilize power-heated blankets or hot boxes when necessary to keep the canisters warm. Power-heated blankets will keep the canisters warm but are not intended to heat cold canisters. Never use band heaters or any device capable of heating the canisters above

100°F (38°C) as these devices may cause explosion or personal injury.

Always keep the canister in an upright position. The dip tube inside the canister extends to the bottom of the canister. Attempting to dispense the adhesive when the canister is on its side or upside down will release only the propellant. The loss of propellant will significantly reduce the spray pattern, coverage rates and overall yield.

Protect the membrane and adjacent surfaces from overspray.

ACCESSORIES

The following accessories are sold separately.

Sarnacol 2175 Spray Gun – Part #679513 (includes 2 ft spray wand and spray tip)

Sarnacol 2175 Spray Hose – Part #679516 (12 ft), #679515 (18 ft)

Sarnacol 2175 Spray Tips – Part #679514 (9502E)

Sarnacol 2175 Cleaner – Part #679512

SUBSTRATE PREPARATION

All surfaces must be clean, dry, and free of dirt, grease, oil, or other contaminants or particulates.

APPLICATION

1. Shake the canister to agitate contents that may have settled. Keep the canister in the carton so it remains stable during application.
2. Close the adjustment wheel behind the spray gun trigger to prevent accidental spray.
3. Connect the spray hose to the spray gun.
4. Connect the other end of the spray hose to the canister valve outlet. Use caution not to strip threads or overtighten the connection.
5. Open the canister valve to pressurize the spray hose and keep the adhesive in a fluid state, during the workday. At the end of the workday, it is recommended to close the canister valve and clean the spray hose and spray gun with Sarnacol 2175 Cleaner. Refer to the Sarnacol 2175 Cleaner product data sheet for instructions.
6. With the canister in the carton and in an upright position, open the adjustment wheel behind the spray gun trigger. Hold the spray gun approximately 12" (30.5 cm) from and perpendicular (90 degrees) to the

substrate. Press the spray gun trigger and spray the adhesive onto the membrane and substrate in a continuous, uniform pattern with a 50% overlap avoiding any globs or puddles.

7. Orient the membrane spray pattern so it is perpendicular (90 degrees) to the substrate spray pattern. Adjust the width of the spray pattern by opening or closing the adjustment wheel behind the spray gun trigger. Porous substrates may require an additional pass of adhesive to provide enough "layup" on the surface to properly bond to the membrane to the substrate.
8. Do not apply the adhesive to the membrane seam areas. Immediately clean any overspray in the lap area with Sarnacol 2175 Cleaner or acetone.
9. **Allow the coated surfaces to dry. The adhesive typically dries in 3-5 minutes. The adhesive is dry when there is no wet transfer of adhesive and the adhesive is not tacky. The maximum open time after the adhesive has dried is 30 minutes. After 30 minutes, reapply a light coat of adhesive to the surfaces following Steps 6 through 8 above.**
10. **Set the membrane to the substrate as soon as the adhesive is dry. The longer the coated surfaces are open after drying, the more pressure is required to achieve adequate bonds. Smooth the membrane to ensure there are no wrinkles or air pockets. Press the bonded sheet firmly in place with a minimum 75 lb (34 kg) steel roller by rolling in two directions. Use a hand roller on vertical flashings. Any area that does not receive adequate pressure may yield a false bond.**
11. Check the adhesion of the membrane to the substrate by peeling back the edge of the membrane. The adhesive should not release from either surface. An acceptable initial bond will exhibit 'legging' or 'stringing' of adhesive from both surfaces.
12. When the canister is empty, close the canister valve and press the spray gun trigger to relieve pressure from the spray hose. Disconnect the spray hose from the canister and quickly connect it to a new canister. Repeat Steps 5 through 11 above.

CLEAN UP

Clean the spray hose and spray gun with Sarnacol 2175 Cleaner. Refer to the Sarnacol 2175 Cleaner product data sheet for instructions.

Spray tips can be soaked separately in Sarnacol 2175 Cleaner, MEK, MEK Substitute or acetone. Use a small gauge wire or torch clean-out tool to remove clogs.

DISPOSAL OF EMPTY CANISTER

1. When the canister is empty, close the canister valve and press the spray gun trigger to relieve pressure from the spray hose.
2. Disconnect the spray hose from the canister.
3. Place the canister in an upright position and point the canister valve into a suitable waste container. Slowly open the canister valve to exhaust any remaining propellant and adhesive.
4. Mark the canister "empty". Keep the canister valve open and allow it to sit in an upright position for at least one hour to fully exhaust the pressure.
5. Puncture the rupture disc on the side of the canister using a brass punch and hammer.
6. Recycle or dispose the empty canister in accordance with all applicable local, state, and federal regulations.

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

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Product Data Sheet

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