



PRODUCT DATA SHEET

Sarnacol®-2163 Adhesive

Two-component foamable polyurethane board adhesive

PRODUCT DESCRIPTION

Sarnacol®-2163 Adhesive is a two-component foamable polyurethane board adhesive that is applied in one step and sets up in minutes.

WHERE TO USE

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
- Steel
- Mineral Surface Asphalt
- Aged Smooth Asphalt
- Approved Sika Vapor Retarders

Sika Approved Insulations and Cover Boards

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

CHARACTERISTICS / ADVANTAGES

- Low VOC
- Rapid application with appropriate dispensing tool
- Chemical cure for fast set up and dry in times
- No application temperature restriction

APPROVALS / CERTIFICATES

- FM Global
- Underwriters Laboratories
- Underwriters Laboratories Canada
- Miami-Dade County
- Florida Building Code
- CSA-A123.21

PRODUCT INFORMATION

Composition / Manufacturing	Liquid
Packaging	1.5 L (0.4 gal.) dual cartridge, 4 dual cartridges per case; 20 lb. (9.1 kg) per case, 48 cases per pallet
Shelf Life	18 months if stored properly in original unopened, sealed and undamaged packaging
Storage Conditions	Store in a dry location, not in direct sunlight, or temperatures higher than 90°F (32°C). Keep containers closed. Contamination by moisture or basic compounds can cause dangerous pressure build-up in a closed container
Volatile organic compound (VOC) content	18 g/L (Part 1 + 2 Combined)

APPLICATION INFORMATION

Ambient Air Temperature	Can be applied at any temperature provided the product temperature is between 65°F (18°C) to 85°F (29°C) 24 hours prior to use
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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.

FURTHER INFORMATION

Availability

Sarnacol®-2163 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 for further information.

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.

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.
- Keep temperature of contents between 65°F (18°C) to 85°F (29°C) 24 hours prior to use.
- 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.

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®-2163 Adhesive.

APPLICATION

Use the handheld cartridge applicator. 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 Sarnacol®-2163 Adhesive directly to the substrate using a ribbon pattern. Apply adhesive in ¼ – ½" (6 – 13 mm) wide wet beads. Ribbon spacing will depend on the wind uplift rating required.

As adhesive is applied, immediately place boards into wet adhesive. Walk boards in, ballast if necessary to achieve proper contact with substrate.

Unused adhesive can be applied at a later date by simply replacing the mixing tip.

COVERAGE

Application rates vary depending on surface roughness and absorption rate of the substrate. Typical coverage rate when using the 1.5 L cartridges is approximately 600 ft² (56 m²) per case. Rates are based on an application pattern of 4 ribbons, ¼ – ½" (6 – 13 mm) beads, 12" (30 cm) o.c. per 4 ft x 4 ft (1.2 m x 1.2 m) insulation board.

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.

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

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