

## PRODUCT DATA SHEET

# Sarnafil® G 476-60 SA

Sarnafil G 476 SA is a PVC thermoplastic waterproofing and flashing membrane with a foam backing coated with a pressure-sensitive adhesive

### PRODUCT DESCRIPTION

Sarnafil® G 476-60 SA is a self-adhered composite sheet consisting of a reinforced thermoplastic waterproofing and flashing membrane and a foam backing coated with a pressure-sensitive adhesive that can be applied directly to a concrete substrate or other approved substrates.

### USES

Sarnafil G 476 SA is used in horizontal applications receiving overburden.

### AREAS OF APPLICATION

- Plaza Decks
- Green Roofs
- Balconies
- Terraces

### CHARACTERISTICS / ADVANTAGES

- Specially compounded for environments of constant dampness, high alkalinity, exposure to plant roots, fungi, and bacterial organisms, as well as low levels of hydrostatic pressure including ponded water conditions
- Integral fiberglass mat reinforcement for excellent dimensional stability
- Heat welded seams for strength and security
- The closed-cell foam backing acts as a separation layer and an integral cushioning layer allowing the membrane to conform to minor irregularities in the substrate

### APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories
- Miami-Dade County
- Florida Building Code
- German FLL
- Swiss SIA 280

## PRODUCT INFORMATION

<b>Chemical Base</b>	120-mil (3.0 mm) thick composite sheet composed of a 60 mil (1.5 mm) thick Sarnafil G 476 waterproofing membrane with an integral 60 mil (1.5 mm) closed-cell foam backing with a 2.5" (63.5 mm) selvage on one side to accommodate heat welding of the seam. The membrane is made of high quality PVC resin, pigments, stabilizers, and additives incorporated and fused into a homogeneous polymer matrix and then coated to both sides of a fiberglass carrier sheet. The foam backing is factory-coated with a pressure sensitive adhesive that is protected by a plastic release liner which is removed during installation.
<b>Reinforcing Material</b>	Fiberglass
<b>Packaging</b>	<b>120 mil (3.0 mm) Membrane</b> 6.56 ft (2 m) x 65.6 ft (20 m) roll, 135 lbs (61.2 kg) per roll 6 rolls per pallet
<b>Appearance / Color</b>	<ul style="list-style-type: none"><li>▪ Top: Orange</li><li>▪ Bottom: White</li></ul>
<b>Shelf Life</b>	N/A
<b>Storage Conditions</b>	Store rolls on pallets and fully protected from the weather with clean canvas tarpaulins. Unvented polyethylene tarpaulins are unacceptable due to the accumulation of moisture beneath the tarpaulin in certain weather conditions that may affect membrane weldability.
<b>Effective Thickness</b>	60 mil (ASTM D-751)
<b>Overall Thickness</b>	120 mil
<b>Mass per Unit Area</b>	0.31 lb/ft <sup>2</sup> (1.53 kg/m <sup>2</sup> )

## TECHNICAL INFORMATION

<b>Resistance to Static Puncture</b>	Pass (ASTM D-5602)
<b>Resistance to Dynamic Puncture</b>	Pass (ASTM D-5635)
<b>Tensile Strength</b>	92 lbf (409 N) (ASTM D-751)
<b>Elongation at Break</b>	255 & 240% MD & CMD <sup>1</sup> (ASTM D-751) <sup>1</sup> MD = Machine Direction, CMD = Cross Machine Direction
<b>Linear Dimensional Change</b>	0.01% (ASTM D-1204)
<b>Tear Strength</b>	17 lbf (76 N) (ASTM D-1004)
<b>Seam Strength</b>	90% of original <sup>2</sup> (ASTM D-751) <sup>2</sup> Failure occurs through membrane rupture not seam failure.
<b>Low Temperature Bend</b>	Pass -40°F (-40°C) (ASTM D-2136)
<b>Retention of Properties after Heat Ageing</b>	Tensile Strength, % of original: 95 (ASTM D-3045) Elongation, % of original: 95
<b>Weight Change after Immersion in Water</b>	2.5% (ASTM D-570)

# APPLICATION INSTRUCTIONS

## APPLICATION

Sarnafil G 476 SA is installed by an authorized Sika Waterproofing Applicator according to published specifications and details. New concrete shall be cured and dry. Sarnafil G 476 SA is used in conjunction with Surface Conditioner WB or Sarnavap Self-Adhered Primers depending on ambient and surface temperature upon installation. The membrane is used as the primary waterproofing sheet in the Sika Adhered Waterproofing System. Consult with these specifications and details for further information. Sarnafil G 476 SA membrane and flashings must be covered and cannot be left permanently exposed. Typical maximum exposure is limited to 3 months but may vary depending on the location and the time of year. Contact Sika if the anticipated exposure is to exceed 3 months.

## MAINTENANCE

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

## AVAILABILITY/WARRANTY

### AVAILABILITY

From Authorized Applicators when used within Sarnafil roofing and waterproofing systems.

### WARRANTY

Upon successful completion of the installed roof or waterproofing project by the Sika Authorized Applicator, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

## LIMITATIONS

- The ambient and substrate temperature must be 25°F (-4°C) or above when applying Sarnafil G 476 SA over surfaces primed with Vapor Retarder Primer SB or Vapor Retarder Primer VC.
- The ambient and substrate temperature must be 45°F (7°C) or above when applying Sarnafil G 476 SA over surfaces conditioned with Surface Conditioner WB.
- Do not install over coal tar pitch. Sarnafil G 476 SA can be installed over existing residual asphalt-based waterproofing materials provided the material is fully cured, clean, sound and firmly bonded to the substrate.
- Sarnafil membranes are incompatible with asphalt, coal-tar, polystyrene, oil-based and plastic-based cements, creosote, penta-based materials, grease, fats, oils, and solvents. If such contact occurs, the material shall be cut-out, discarded and patched.
- A static electric charge may develop when removing the plastic release liner from the pressure-sensitive

adhesive on the back of the membrane. Care should be used when removing and handling the release liner to avoid ignition. Lids must be closed on any flammable products and a fire extinguisher should be readily available.

- The foam backing should not overlap onto the adjacent membrane.
- Sarnafil G 476 SA membrane and flashings must be covered and cannot be left permanently exposed. Typical maximum exposure is limited to 3 months but may vary depending on the location and the time of year. Contact Sika if the anticipated exposure is to exceed 3 months.

## 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.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## 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.

## 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](http://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.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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### Product Data Sheet

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