

## PRODUCT DATA SHEET

# Sarnafil® G 476-80

Sarnafil G 476 is a PVC thermoplastic waterproofing and flashing membrane

### PRODUCT DESCRIPTION

Sarnafil® G 476-80 is a heat-weldable, guaranteed for thickness, thermoplastic waterproofing and flashing membrane formulated with an integral fiberglass mat carrier sheet for dimensional stability.

### USES

Sarnafil G 476 is used in horizontal applications receiving overburden.

### AREAS OF APPLICATION

- Plaza Decks
- Green Roofs
- Balconies
- Terraces

### CHARACTERISTICS / ADVANTAGES

- Specially compounded for sub-grade 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

### APPROVALS / STANDARDS

- Underwriters Laboratories
- German FLL
- Swiss SIA 280

## PRODUCT INFORMATION

Reinforcing Material	Fiberglass
Packaging	<b>80 mil (2.0 mm) Membrane</b> Bareback: 6.56 ft x 75 ft (2 m x 22.8 m) rolls, 293 lbs (133 kg) per roll, 10 rolls per pallet
Appearance / Color	<ul style="list-style-type: none"><li>▪ Top: Orange</li><li>▪ Bottom: Dark Gray</li></ul>
Shelf Life	N/A
Storage Conditions	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.
Overall Thickness	80 mil (2.0 mm), minimum thickness (ASTM D-751)
Mass per Unit Area	0.52 lb/ft <sup>2</sup> (2.6 kg/m <sup>2</sup> )

## TECHNICAL INFORMATION

Resistance to Static Puncture	Pass (ASTM D-5602)
Resistance to Dynamic Puncture	Pass (ASTM D-5635)
Tensile Strength	121 lbf (538 N) (ASTM D-751)
Elongation at Break	296 & 290% MD & CMD <sup>1</sup> (ASTM D-751) <sup>1</sup> MD = Machine Direction, CMD = Cross Machine Direction
Linear Dimensional Change	0.01% (ASTM D-1204)
Tear Strength	21 lbf (93 N) (ASTM D-1004)
Seam Strength	90% of original <sup>2</sup> (ASTM D-751) <sup>2</sup> Failure occurs through membrane rupture not seam failure.
Low Temperature Bend	Pass -40°F (-40°C) (ASTM D-2136)
Retention of Properties after Heat Ageing	Tensile Strength, % of original: 95 (ASTM D-3045) Elongation, % of original: 95
Weight Change after Immersion in Water	2.1% (ASTM D-570)

## APPLICATION INSTRUCTIONS

### APPLICATION

Sarnafil G 476 is installed by an authorized Sika Waterproofing Applicator. The membrane is used as the concealed primary waterproofing and flashing sheet with Sika Waterproofing and Green Roofs Systems. Consult with these specifications and your local Sika waterproofing representative. Sarnafil G 476 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 Sika Corporation - Waterproofing Authorized Applicators when used within Sarnafil® waterproofing systems.

### WARRANTY

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

## 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.**

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### Product Data Sheet

Sarnafil® G 476-80  
August 2020, Version 05.01  
020905032050203002

SarnafilG476-80-en-US-(08-2020)-5-1.pdf

