

PRODUCT DATA SHEET

Sarnavap[®]-5000 E SA FR

Sarnavap-5000 E SA FR is a self adhered vapor barrier

PRODUCT DESCRIPTION

Sarnavap[®]-5000 E SA FR is a 15 mil (0.38 mm) thick self-adhesive vapor retarder/air barrier for use within Sarnafil[®] and Sikaplan[®] roofing systems with mechanically attached insulation or mechanically attached roof membrane.

USES

Sarnavap[®]-5000 E SA FR may only be used by experienced professionals.

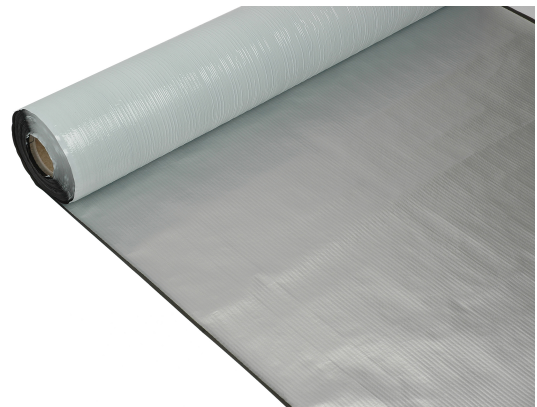
Vapor retarder/air barrier within Sarnafil and Sikaplan roofing systems with mechanically attached insulation or mechanically attached roof membrane

Areas of Application

Direct application to steel decks in combination mechanically attached insulation or mechanically attached roof membrane

CHARACTERISTICS / ADVANTAGES

- Ease and speed of application due to self-adhesive properties
- High tear resistance under foot traffic making it ideal for use on profiled metal deck



APPROVALS / STANDARDS

- FM Global
- Meets 2012 IECC Air Barrier requirements, Materials (Section C402.4.1.2.1)

PRODUCT INFORMATION

Chemical Base	Reinforced composite aluminium foil with a self-adhesive SBS modified bitumen backing and removable plastic release liner
Packaging	42.5 in (1.08 m) x 131 ft (40 m) roll, 38 lbs (17.2 kg) per roll 30 rolls per pallet
Appearance / Color	Top: Aluminum Bottom: Black Release Liner: White
Shelf Life	12 months in the original unopened packaging when properly stored.
Storage Conditions	Store upright in a cool, dry environment. Do not stack pallets of rolls during transport or storage. Pallets are wrapped in a protective plastic film and should remain wrapped in the protective plastic film until installation. When working in sunny conditions, remove rolls from under the protective plastic film and install immediately.
Length	131 ft (40 m)
Width	42.5" (1.08 m)
Thickness	15 mil (0.38 mm) (ASTM D-5147)
Mass per Unit Area	0.06 lb/ft ² (0.293 kg/m ²) (EN 1849-1)

TECHNICAL INFORMATION

Resistance to Static Puncture	54.6 lbf (242.8 N) (ASTM D-5602)
Tensile Strength	250 psi (1723.6 kPa) (ASTM D-412)
Elongation at Break	333 % (ASTM D-1970)
Tear Strength	135 lbf (600 N) (ASTM D-1970)
Adhesion in Peel	14 lbf/in (2451.7 N/m) (ASTM D-903)
Low Temperature Bend	-4°F (-20 °C) (ASTM D-1970)
Permeability to Water Vapor	0.03 perm (1.7ng/(s·m ² ·Pa)) (ASTM E-96)
Permeability to Air	0.000 L·m ² @ 75 Pa (ASTM E-2178)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be in plane, even and clean, sound, dry, free of loose materials or contaminants such as water, frost, ice, oil and grease that would interfere with proper adhesion and compromise the performance of the product.

APPLICATION

Install the sheets in the direction of the metal deck profiles so the side laps are fully supported on the top flange of the profiles. Unroll the sheet so it lays flat without wrinkles or

creases. Once the roll is aligned, peel back a portion of the release liner and press the sheet onto the substrate. When securely adhered, remove the remaining release liner from the roll leaving 12" (30.5 cm) of the release liner in place at the end of the sheet.

Install a 6" (15.2 cm) wide strip of Sarnavap 5000E SA FR or flat metal plate perpendicular to the profiles to support the end of the sheet. Place the strip of Sarnavap 5000E SA FR or flat metal plate so the end of the sheet terminates onto the center of the strip or flat metal plate.

Install adjacent sheets with a minimum 2" (50 mm) side laps and minimum 2" (50 mm) end laps. Immediately roll all laps with a weighted roller to achieve a proper seal. Roll the entire sheet to ensure contact with the

metal deck.
Any large gaps at angle changes must be filled with insulation to support the sheet.
Install the Sarnafil or Sikaplan roofing system on the same day.

Coverage: 460 ft² (42.8 m²) per roll

MAINTENANCE

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

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, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator

LIMITATIONS

- Keep material at 50°F (10°C) prior to installation.
- Install Sarnavap 5000E SA FR when substrate and ambient temperatures are above 30°F (-1°C).
- Do not install Sarnavap 5000E SA FR when it is raining, snowing, or on wet/damp surfaces.
- Sarnavap 5000E SA FR is not intended as a temporary roof.
- Sunglasses that filter ultraviolet light are strongly recommended as the aluminum surface is highly reflective to sunlight. Applicators should dress appropriately and wear sunscreen protection.

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



Product Data Sheet
Sarnavap®-5000 E SA FR
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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 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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