

## PRODUCT DATA SHEET

# Vapor Retarder PE 10

10 mil (0.25 mm) thick polyethylene vapor retarder/air barrier

### PRODUCT DESCRIPTION

Vapor Retarder PE 10 is a 10 mil (0.25 mm) thick polyethylene vapor retarder/air barrier for use within Sarnafil® and Sikaplan® insulated roofing and waterproofing systems. Vapor Retarder PE 10 can also be used as a separation sheet between new Sarnafil waterproofing systems and existing waterproofing materials.

### USES

- Vapor retarder/air barrier within Sarnafil and Sikaplan insulated roofing systems
- Vapor retarder/air barrier within Sarnafil waterproofing systems
- Separation sheet between the new waterproofing system and existing waterproofing materials

### AREAS OF APPLICATION

- Direct application to steel, concrete, gypsum decks, approved gypsum boards, approved insulation boards and plywood
- Over existing waterproofing materials

### CHARACTERISTICS / ADVANTAGES

Large sheets to minimize seams

### APPROVALS / STANDARDS

- FM Global
- Meets 2018 IECC Air Barrier requirements, Materials (Section C402.5.1.2.1)

## PRODUCT INFORMATION

<b>Chemical Base</b>	Low density polyethylene
<b>Packaging</b>	20 ft (6.1 m) x 100 ft (30.5 m) folded panel rolled onto a 5 ft (1.5 m) wide core 132 lbs (59.9 kg) per roll 24 rolls per pallet
<b>Shelf Life</b>	N/A
<b>Storage Conditions</b>	Store rolls in a clean dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture.
<b>Overall Thickness</b>	10 mil (0.25 mm)

## TECHNICAL INFORMATION

<b>Impact Strength</b>	1.87 lbs (850 g)	(ASTM D-1709)
<b>Tensile Strength</b>	<b>Machine Direction</b> 3470 psi (23.9 MPa)	<b>Cross Machine Direction</b> 3300 psi (22.8 MPa) (ASTM D-882)
<b>Elongation at Break</b>	<b>Machine Direction</b> 1000%	<b>Cross Machine Direction</b> 1060% (ASTM D-882)
<b>Water Vapor Transmission</b>	0.019 perms (1.07 ng/(Pa·s·m <sup>2</sup> ))	(ASTM E-96)
<b>Permeability to air</b>	<0.000008 L/(Pa·m <sup>2</sup> ·s)	(ASTM E-2178)
<b>Air flow rate</b>	<0.00004 cfm/ft <sup>2</sup> (<0.0002 L/(s·m <sup>2</sup> ))	(ASTM E-2178)

## 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.

## 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

### APPLICATION

Vapor Retarder PE 10 is loose laid over a suitable substrate. Overlap all edges a minimum of 4" (10.2 cm) and seal with SikaLastomer-65. Extend Vapor Retarder PE 10 to the perimeter and deck penetrations and seal with SikaLastomer-65 to provide continuity of the air/vapor envelope. Seal Vapor Retarder PE 10 with SikaLastomer-65 on the vertical surface at penetrations.

## MAINTENANCE

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

## 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](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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