Vapour 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. Vapour 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

Chemical Base
Low density polyethylene

Packaging
20 ft (6.9 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

Shelf Life
N/A

Storage Conditions
Store rolls in a clean dry location and cover as necessary to protect rolls from
environmental damage such as extreme cold, heat, or moisture.

Overall Thickness
10 mil (0.25 mm)

TECHNICAL INFORMATION

Impact Strength
1.87 lbs (850 g)  (ASTM D-1709)

Tensile Strength

<table>
<thead>
<tr>
<th>Machine Direction</th>
<th>Cross Machine Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>3470 psi (23.9 MPa)</td>
<td>3300 psi (22.8 MPa)</td>
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</tbody>
</table>

(Evaluations made per test ASTM D-882)

Elongation at Break

<table>
<thead>
<tr>
<th>Machine Direction</th>
<th>Cross Machine Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 %</td>
<td>1060 %</td>
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</tbody>
</table>

Water Vapor Transmission
0.019 perms (1.07 ng/(Pa·s·m²))  (ASTM E-96)

Permeability to Air
<0.000008 L/(Pa·m²·s)  (ASTM E-2178)

Air Flow Rate
<0.00004 cfm/ft² (<0.0002 L/(s·m²))  (ASTM E-2178)

APPLICATION INSTRUCTIONS

APPLICATION

Vapor Retarder PE 10 is loose laid over a suitable substrates. Overlap all edges a minimum of 4″ (10.2 cm) and seal with Sika’s Multi-Purpose Tape. Extend Vapor Retarder PE 10 to the perimeter and deck penetrations and seal with Sika’s Multi-Purpose Tape to provide continuity of the air/vapor envelope. Seal Vapor Retarder PE 10 with Sika’s Multi-Purpose Tape on the vertical surface at penetrations.

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.

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 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.

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