

PRODUCT DATA SHEET

Edition 11.2020/v1

Vapor Retarder PE 10

Description	<p>Vapor Retarder PE 10 is a 0.25 mm (10 mil) thick vapour retarder sheet for use in Sika Sarnafil® and Sikaplan® roof systems, insulating roofing and waterproofing system. It may also be used as a separation sheet between new Sarnafil® waterproofing systems and existing waterproofing materials.</p> <p>Uses:</p> <ul style="list-style-type: none"> ▪ Vapour retarder within Sarnafil® and Sikaplan® insulating roofing systems ▪ Vapour retarder within Sarnafil waterproofing systems ▪ Separation sheet between new waterproofing system and existing waterproofing <p>Areas of application</p> <ul style="list-style-type: none"> ▪ Direct application to steel, concrete, gypsum decks and approved gypsum boards, insulations boards and plywood
Composition	<ul style="list-style-type: none"> ▪ Manufacturing: Low density polyethylene ▪ Colour: Light blue
Features	<ul style="list-style-type: none"> ▪ Dimensions: 6.9 m (20 ft) wide by 30.5 m (100 ft) long ▪ Supplied in large sheets to minimize seams
Packaging / Storage	<p>Packaging: Supplied in a folded panel rolled onto a 1.5 m (5 ft) core. Rolls wrapped in protective film and strapped to a wood pallet for transport and storage.</p> <ul style="list-style-type: none"> - Shipping weight/unit: 36 kg (79 lb) - 24 rolls/pallet <p>Storage conditions: Rolls must be stored in a clean and dry location and covered as necessary to protect rolls from environmental damages such as extreme cold, heat, or moisture.</p>
Approvals / Standards	<ul style="list-style-type: none"> ▪ FM Global ▪ CAN/CGSB 51.34-M86
Installation	<p>Vapor Retarder P 10 is loose-laid over suitable substrate. Overlap all edges 102 mm (4 in) and seal with butyl tape. Vapor Retarder P 10 must be extended to perimeter and deck penetrations and seal to provide continuity of the building's vapour envelope. Vapor Retarder P 10 must be sealed on the vertical surface at roof penetrations also.</p> <p>Coverage: 185.8 m² (2000 ft²)</p>
Availability	<p>Vapor Retarder P 10 is available directly from Sika Canada Authorized Applicators when used within a Sika® Sarnafil® Roofing or Waterproofing System. Contact Sika Canada or visit our website at www.sika.ca for further information.</p>
Warranty	<p>Upon successful completion of the installed roof by the Sika Canada Authorized Applicator, Sika Canada can provide a Warranty to the Building Owner via the Authorized Applicator.</p>
Maintenance	<p>Vapor Retarder P 10 requires no maintenance. As a prudent preventative measure, Sika Canada recommends that the Owner or that the Owner's designated representative inspect the installed roof system for damage, plugged drains, weathered sealants, etc. at least twice a year and after each storm.</p>
Technical Support	<p>Sika Canada provides technical support. Technical staff is available to advise applicators as to the proper installation method.</p>

Technical Data

TYPICAL PHYSICAL PROPERTIES*		
Properties	ASTM Test Method	Typical Results
Thickness, mm (mil)	--	0.25 (10)
Tensile Strength, MPa (psi), M.D. / C.D. ¹	D882	23.9 / 22.8 (3470 / 3300)
Elongation at Break, % min, M.D. / C.D. ¹	D882	1000 / 1060
Yield Strength, MPa (psi)	D882	11.0 (1595)
Water Vapour Permeance, perms	E96	0.019
Impact Strength, g (lb)	D1709	850 (1.87)
Air Flow Rate, L/s·m ² (cfm/ft ²)	E2178	< 0.0002 (< 0.00004)
Air Permeance, L/Pa·m ² ·s	E2178	< 0.000008
* Physical properties listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.		
¹ M.D.= Machine Direction, C.D.= Cross Direction		

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

**KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY**

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelflife. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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