



**1. Product Name**

SlopeShield SA® Self-Adhered Water-Resistive Vapor-Permeable Roof Underlayment Sheet Membrane

**2. Manufacturer**

VaproShield, LLC.  
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**3. Product Description**

**BASIC USE AND APPLICATIONS**

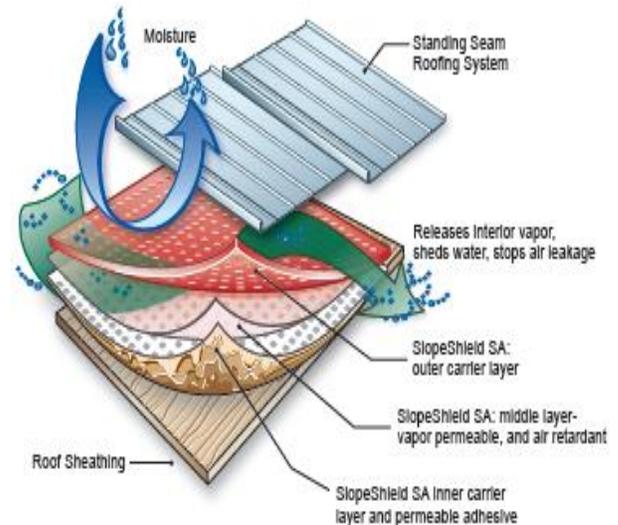
SlopeShield SA membrane is a fully self-adhered water resistive vapor permeable sheet intended to be used as a roof underlayment membrane over sloped roof applications. SlopeShield SA Self-Adhered membrane is designed to be applied over most common construction substrates including plywood, gypsum, steel deck and rigid insulation. Acceptable roof cladding systems include most Metal Roofing systems, Slate, Tile and Cedar Shakes.

**BENEFITS**

SlopeShield SA Self-Adhered membrane is a no VOC, non-asphaltic fully adhered water resistant roofing underlayment with excellent liquid water holdout capabilities, a high degree of vapor permeability and is designed to bond to roofing substrates without the use of a primer or surface conditioner. SlopeShield SA Self-Adhered membrane is UV stable, tear and puncture resistant and controls air leakage when installed as a continuous membrane over the roof.

SlopeShield SA Self-Adhered membrane can be installed in temperatures as low as 20 °F (-6 °C).

The strong durable textured surface of SlopeShield SA Self-Adhered membrane aids with slip resistance, cinches around fasteners to prevent water penetration and can remain exposed for up to 120 Days (4 months).



**MATERIAL**

SlopeShield SA Self-Adhered membrane is a triple layer sheet membrane consisting of front and back carrier sheets with a middle layer of spun-bonded polypropylene fabric engineered to resist liquid water penetration and has a micro-porous film laminate with a proprietary acrylic vapor permeable pressure sensitive adhesive fully applied to the back sheet.

SIZE: 59 inches by 164 feet roll (1.5 m by 50 m)  
 COLOR: Red

**4. Technical Data**

**SUSTAINABLE DESIGN BENEFITS**

SlopeShield SA Self-Adhered Water-Resistive Vapor-Permeable Roof Underlayment Sheet Membrane protects against water intrusion but allows building materials that may have become wet during the construction phase to dry out, reducing the risk of wood rot, deterioration or corrosion.

The strong non-woven spun-bonded polypropylene membrane cinches around screw fasteners without tearing or stretching which allows for movement of the roof fastener attachment.

**RELATED LEED CREDITS**

SlopeShield SA Self-Adhered membrane contributes to LEED points, is 100% recyclable and is free of urea-formaldehyde constituents.

- IEQ Credit 3.1: Construction Indoor Air Quality Management Plan-During Construction
- EA Credit 1: Optimize Energy Performance

**SLOPESHIELD SA<sup>®</sup> SELF-ADHERED Testing**

PROPERTY	TEST/STANDARD	RESULT
Breaking Strength/Elongation	ASTM D5034 AC48, Section 4.1	MD – 88 lbf (391 N) CD – 83 lbf (369 N) PASS
Water Vapor Transmission and Permeance (WVT)	ASTM E398-13	51.74 Perms 359.50 g/m <sup>2</sup> ·24hrs (WVT)
Air Permeance	ASTM E2178	0.00002 cfm/ft <sup>2</sup> 0.0001 L/s·m <sup>2</sup> PASS
Water Ponding	AC48, Section 4.4 24" head of water for 48 hrs.	PASS
Accelerated Aging	AC48, Section 4.7 AC207, Section 4.6	PASS
UV Exposure	AC48, Section 4.8 AC207, Section 4.7	PASS
Liquid Water Transmission	ASTM D4869 AC207, Section 4.3	PASS
Rupture Resistance	ASTM D3462 AC207, Section 4.4	PASS
Pliability	ASTM E48 AC207, Section 4.2	PASS
INDEPENDENT TESTING		
Nominal Thickness	Calibrated Micrometer	0.022 inch (0.56 mm)
Basis Weight	Electronic Weight Scale	7.37 oz/yd <sup>2</sup> (0.819 oz/ft <sup>2</sup> ) 250 g/m <sup>2</sup>
ROOF SLOPE	APPLICATION	
1:12	For slip sheet applications only	
2:12	Minimum 12" (305 mm) Horizontal/Vertical Lap Seams VaproLiqui-Flash™ or VaproShims™ required under metal clips and similar penetrations	
3:12	Minimum 12" (305 mm) Horizontal/Vertical Lap Seams VaproLiqui-Flash™ or VaproShims™ required under metal clips and similar penetrations	
4:12 and Greater	Minimum 6" (152 mm) Horizontal/Vertical Lap Seams Neither VaproLiqui-Flash™ or VaproShims™ are required for clips	

**5. Installation**

**PREPARATION**

- Verify that all surfaces are clean and dry to the touch and in “as new condition,” sound, and free of oil, grease, dirt, or other contaminants detrimental to the adhesion of the membrane.
- Install SlopeShield SA Self-Adhered membrane and related accessories according to manufacturer’s separate written installation instructions.
- See [www.VaproShield.com](http://www.VaproShield.com) for complete installation instructions.

**STORAGE AND HANDLING**

Store materials on end in original packaging at temperatures between 40 °F and 120 °F (4.4 °C and 48.9 °C). Protect materials from direct sunlight and inclement weather until ready for use.

**LIMITATIONS**

- SlopeShield SA Self-Adhered Water-Resistive Vapor-Permeable Roof Underlayment Sheet is not intended to be a temporary roof system. Cover membrane as soon as practical.
- SlopeShield SA Self-Adhered membrane may remain exposed for up to 120 Days (4 months).

**6. Availability**

VaproShield products are available from qualified representatives throughout North America, Central and South America. Contact VaproShield or go to [www.vaproshield.com](http://www.vaproshield.com) for local contact information.

## **7. Warranty**

A 20 year product warranty is available when installed according to latest installation instructions.

- See [www.VaproShield.com](http://www.VaproShield.com) for complete installation instructions.