

**SlopeShield SA Self-Adhered** combines the best properties of a water resistant, vapor permeable membrane and a fully self-adhered roofing underlayment in one innovative, affordable product. Suitable for all construction types: commercial, institutional, medical and multi-family residential.

**SlopeShield SA Self-Adhered is Unsurpassed in Performance**

- Zero VOC's
- 51.74 U.S. Perms
- No Primer

With a vapor permeance rating of 50 perms, **SlopeShield SA Self-Adhered** provides the highest breathability in a commercial quality, self-adhering roofing underlayment membrane.

**SlopeShield SA Self-Adhered** fully bonds to most common roofing substrates providing a water shedding, easy to install, permeable roof underlayment without the use of a primer.

**SlopeShield SA Self-Adhered** fully bonded membrane system provides a continuous air barrier, enhancing thermal performance by controlling air leakage through seams, joints and roof system penetrations.

**Drying Capacity**

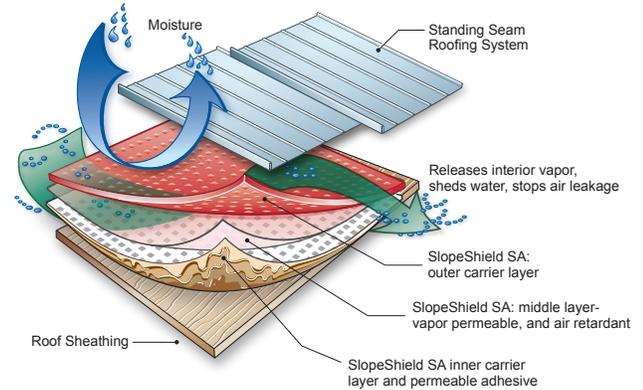
- High vapor permeability and exceptional liquid water holdout capacity helps prevent damage from moisture.
- Moisture vapor is allowed to escape ensuring good indoor air quality, reducing incidence of condensation, mold, mildew, wood rot, lumber distortion and metal corrosion.

**Construction and Installation**

- No Primer Required.
- Application over 20 °F (-6 °C) degrees and rising ensures a wide service temperature range, easily installed in all climates.
- Tough facer laminate resists punctures and tears.
- Textured surface helps reduce slip risks.
- Lightweight rolls install quickly and easily.
- Self-adhering membrane application reduces time and labor.

**Durability and Cost Effectiveness**

- High tear, rip and puncture resistance during and after construction reducing repairs and labor costs.
- UV stable for up to four months of exposure.
- Installs easily and quickly, self-adhering directly to plywood and various roofing substrates decreasing installation time.



Over 4,600 sq. ft. of SlopeShield SA Self-Adhered Water Resistive Roof Underlayment Sheet (red) was installed on the Alice Ferguson Foundation's Potomac Watershed Study Center. The Potomac Watershed Study Center marks one of several VaproShield projects seeking Living Building Challenge certification. All photos courtesy of TrueLook Webcams.

**Environmental Sustainability**

- Contributes to LEED points in Indoor Environmental Quality and Energy & Atmosphere.
- Void of all Living Building Challenge Red List chemicals.

**Compatibility**

- Compatible with metal roofing, copper, zinc, clay tile, slate, wood shakes and wood shingles.
- Compatible with typical roofing substrates: DensGlass®, plywood, OSB, rigid insulation and concrete.

**Warranty**

- Standard 20 year material warranty

## SLOPESHIELD SA Self-Adhered Testing Data

PROPERTY	STANDARD/TEST	RESULTS
Breaking Strength/ Elongation	ASTM D5034 AC48, Section 4.1	MD – 88 lbf (391 N) CD – 83 lbf (369 N) <b>PASS</b>
Water Vapor Transmission (WVT) and Permeance	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> <b>PASS</b>
Water Ponding	AC48, Section 4.4 24" head of water for 48 hrs.	<b>PASS</b>
Accelerated Aging	AC48, Section 4.7 AC207, Section 4.6	<b>PASS</b>
UV Exposure	AC48, Section 4.8 AC207, Section 4.7	<b>PASS</b>
Liquid Water Transmission	ASTM D4869 AC207, Section 4.3	<b>PASS</b>
Rupture Resistance	ASTM D3462 AC207, Section 4.4	<b>PASS</b>
Pliability	ASTM E48 , AC207, Section 4.2	<b>PASS</b>

### Independent Testing

PROPERTY	STANDARD/TEST	RESULTS
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>

### Application

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

### BEST PRACTICE

- See SlopeShield SA Self-Adhered Technical Data Sheets for acceptable substrates and surface conditions for placement of roof underlayment membranes.
- Substrate must be clean and dry before installing SlopeShield SA Self-Adhered.
- Install SlopeShield SA Self-Adhered in overlapping shingle format.
- All precautions should be taken to keep structure dry from the elements during construction. VaproShield will not be responsible for consequential damages if SlopeShield SA Self-Adhered is used as a temporary roof covering. Install finished roofing materials as soon as practical.