

OVERVIEW

SlopeShield with Integrated Tape is a mechanically attached vapor permeable, weather resistive, roofing membrane, designed as a secondary back-up under the metal roofing material. With a continuous Integrated Tape for vertical lap conditions, SlopeShield is installed immediately before the metal roofing material to limit foot traffic and UV exposure which can degrade the material.

SlopeShield is not to be used as a temporary roof covering during the construction period. SlopeShield can sustain up to 4 months of UV exposure but is not intended to be the primary liquid water hold out barrier. Temporary protection measures such as tarps must be used when rain, snow/ice or storm events exist or are anticipated if SlopeShield is not immediately covered by metal roofing material.

SlopeShield with Integrated Tape will provide protection against secondary leaks and condensation that can occur from the metal roof covering while allowing moisture vapor in the underlying roofing assembly to escape to the exterior. A minimum Roof Slope of 2 ½: 12 is required for liquid water protection. At slopes less than 2 ½: 12, SlopeShield may be used as a slip-sheet only, and warranty will not apply.

SlopeShield with Integrated Tape can be used as an air barrier when all other seams and overlaps are sealed with VaproTape or Dow 758 adhesive sealant.

In geographic locations subject to ice damming, install ice and water shield membranes per applicable building codes, prior to installing SlopeShield. Do not adhere asphaltic based peel and stick materials to SlopeShield. Butyl based peel and stick materials are compatible.

SlopeShield should not be used under Asphalt Shingles.

Always follow Industry Standards for BEST ROOFING PRACTICES

INSTALLATION METHOD:

- Substrates must be clean and free of any contaminants. SlopeShield can be installed over wet substrates.
- **VaproShield recommends SlopeShield be applied vertically, in the same direction as the roof slope.**
- Stainless Steel Staples may be used **only at the perimeter** where they will be covered by the next layer of material, to **temporarily secure** the SlopeShield material to the substrate. **Avoid placing staples through the Integrated Tape locations.**
- Install SlopeShield and metal roofing material using the vertical installation method. This method minimizes installer foot traffic and additional fastener penetrations.
- Install a course of SlopeShield material onto the substrate, then **immediately install** metal roofing material onto each vertical run of SlopeShield.
- Add an additional SlopeShield course and engage the integrated tape to seal the two (2) courses together.
- **ENGAGING THE INTEGRATED TAPE:**
Ensure correct alignment, using the dotted line at the vertical seam, prior to removing release paper. Seal vertical overlap seams by slowly pulling both release papers at the same time followed by smoothing both layers together with hand pressure. Once the release paper has been pulled, the seal is permanent.

ALWAYS CONSULT WWW.VAPROSHIELD.COM FOR LATEST INSTALLATION INSTRUCTIONS AND UPDATES

- On slopes less than 4:12, all roofing clips must have a patch of butyl tape or use DOW 758 Sealant at all fastener penetrations. See Roof Slope Application Chart below.
- Along Valleys, Hips and Ridges, install a single continuous layer of SlopeShield parallel to the feature. Fasten at the edges, 12" o.c. (on center).
- On projects requiring Ice Dam protection, install Butyl Based Ice and Water Shield materials (by others) in proper sequence to ensure shingle fashion application of the SlopeShield material.

STORAGE

- Store in cool, dry location, without direct UV exposure

ROOF SLOPE APPLICATION CHART

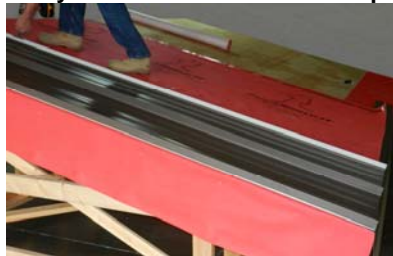
SLOPE	Application
1:12 to 2½:12	As Slip Sheet Only. (No Water Hold Out and Warranty Does Not Apply)
2 ½ :12 to 4:12	<ul style="list-style-type: none"> • 6" Lap –Vertical (using continuous Integrated Tape) • 12" Lap—Horizontal End of Roll laps (using Double-Sided Tape or DOW 758 sealant) Butyl Tape Patch or Dow 758 sealant required at all Roofing Clips and fastener penetrations.
4:12 and greater	<ul style="list-style-type: none"> • 6" Lap –Vertical (using continuous Integrated Tape) • 12" Lap –Horizontal End of Roll laps (using Double-Sided Tape or DOW 758 sealant) Butyl Tape Patch or Dow 758 sealant recommended at all Roofing Clips and fastener penetrations.



Align top membrane using dotted lap line.



Metal roofing material should be installed immediately to each vertical run of SlopeShield



VaproShield products are manufactured using a spun bonded, triple layer, high-density polypropylene fabric.

LIMITED PRODUCT WARRANTY AND DISCLAIMER*:

A) PRODUCTS TO WHICH WARRANTY APPLIES:

- 1) WALLSHIELD®
- 2) WRAPSHIELD®
- 3) WRAPSHIELD SA® SELF-ADHERED
- 4) WRAPSHIELD HS ®
- 5) SLOPESHIELD®
- 6) SLOPESHIELD SA® SELF-ADHERED
- 7) VAPROFLASHING™
- 8) FACTORY FORMED CORNERS™

B) LIMITED WARRANTY:

The WallShield, WrapShield, WrapShield SA and WrapShield HS, SlopeShield and SlopeShield SA products are suited for their intended use as an underlayment, weather resistive barrier, or as an air barrier. VaproShield will warrant its products for a period of twenty (20) years from the date of purchase. VaproShield will replace any faulty product, provided the product used is installed per the published installation instructions and details. VaproShield installation instructions are provided with the products and are available at www.vaproshield.com, or by calling VaproShield toll free at 1-866-731-7663.

This warranty is transferable upon sale of the project, but in no event does it extend beyond 20 years from the date of original purchase of the product. Any and all claims must be made in writing within 20 business days after the owner discovers or obtains knowledge of any defect in the product(s). VaproShield must be given reasonable opportunity to inspect the allegedly defective product and all damage prior to alteration or removal of the product or any surrounding building components.

All claims must be made in accordance with the claims and inspection procedure noted herein.

This warranty shall not apply to, and VaproShield shall not be liable for, any damages arising in whole or in part from any one or more of the following:

- 1) WallShield, WrapShield, WrapShield SA, WrapShield HS, SlopeShield, or SlopeShield SA that is not stored or installed in accordance with VaproShield's installation instructions in effect at the time of the installation.
- 2) Improper building practices or design not in accordance with the applicable building code or industry standards, or any deviation from approved construction plans or specifications.
- 3) Damage to WallShield, WrapShield, WrapShield SA, WrapShield HS, SlopeShield, or SlopeShield SA resulting from causes other than normal weather conditions, including impact of falling objects, "Acts of God," earthquakes, hurricanes, flood, fire, hailstorms, high winds, cascading roof/floor water, ponding water, immersion in water, or improper installation of any building component.
- 4) Defects in the structure or a component of the structure (e.g., window, door, or wall system), premature deterioration of the building materials, or non-standard use of the VaproShield products.
- 5) Contamination of membrane with building site chemicals including, but not limited to, surfactants or substances that adversely affects its water resistance.

OPEN JOINT APPLICATIONS:
VaproShield will warrant material for any open jointed cladding systems when VaproShield's details and Best Practices are followed.

VAPROTAPE:
When applicable, according to installation instructions, VaproTape must be utilized with mechanically attached membrane products for warranty to apply.

C) DISCLAIMER:
This warranty is limited to product replacement. This warranty is the sole warranty and is being provided in lieu of any other warranties, whether express or implied. Neither VaproShield LLC nor any of its affiliated companies, including product manufacturers and suppliers, shall be liable for labor costs, consequential damages (such as personal injuries or damage to property) of any kind, loss of profits, loss of use, or any other damage or injury, whether known or unknown, that is caused or alleged to have been caused in whole or in part by any VaproShield product.

This Warranty is not valid unless and until VaproShield receives payment in full.