

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.

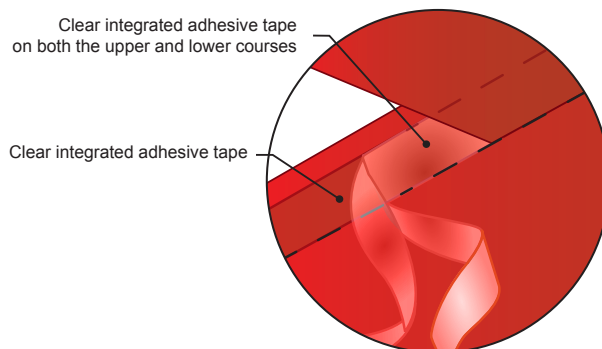
BEST PRACTICES

- **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.
- Install **SlopeShield** and metal roofing material using the vertical installation method. This method minimizes installer foot traffic and additional fastener penetrations.
- **SlopeShield with Integrated Tape** can be used as an air barrier when all other seams and overlaps are sealed with VaproTape or Dow 758 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.

SUBSTRATE INFORMATION

- A minimum Roof Slope of 3:12 is required when **SlopeShield** is used as an underlayment for liquid water protection.
- **SlopeShield** may be used as a slip-sheet only, on slopes less than 3:12 (warranty will not apply).
- **SlopeShield** can be installed over damp substrates.
- See Roof Slope Application Chart on page 3.



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



In geographic locations subject to ice damming, install ice and water shield membranes

FASTENING GUIDELINES

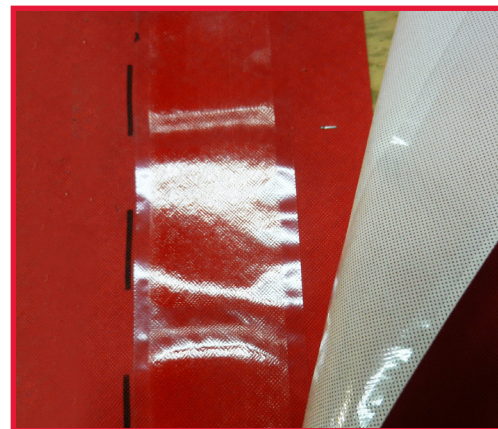
- Stainless Steel Staples may be used only at the perimeter where they will be covered by the next layer of material, to temporarily secure the SlopeShield material to the substrate.
- Avoid placing staples through the Integrated Tape locations.



Ribbit Tip:
SlopeShield can be applied
over damp substrates

INSTALLATION METHOD

- Ensure substrates are clean and free of any contaminants.
- VaproShield recommends SlopeShield be applied vertically, in the same direction as the roof slope.
- 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).
- Avoid placing staples through the Integrated Tape locations.
- Install a course of SlopeShield material onto the substrate, then immediately install metal roofing material onto each vertical run of SlopeShield. This method minimizes installer foot traffic and additional fastener penetrations.
- Add an additional SlopeShield course and engage the integrated tape to seal the two (2) courses together.



Ensure correct alignment, using the dotted line at the vertical seam, prior to removing release paper.

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.
- 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 on page 3.
- 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.



Immediately install metal roofing material onto each vertical run of SlopeShield.



Ribbit Tip:
Avoid placing staples through
the integrated tape areas.

PENETRATION SEALANTS

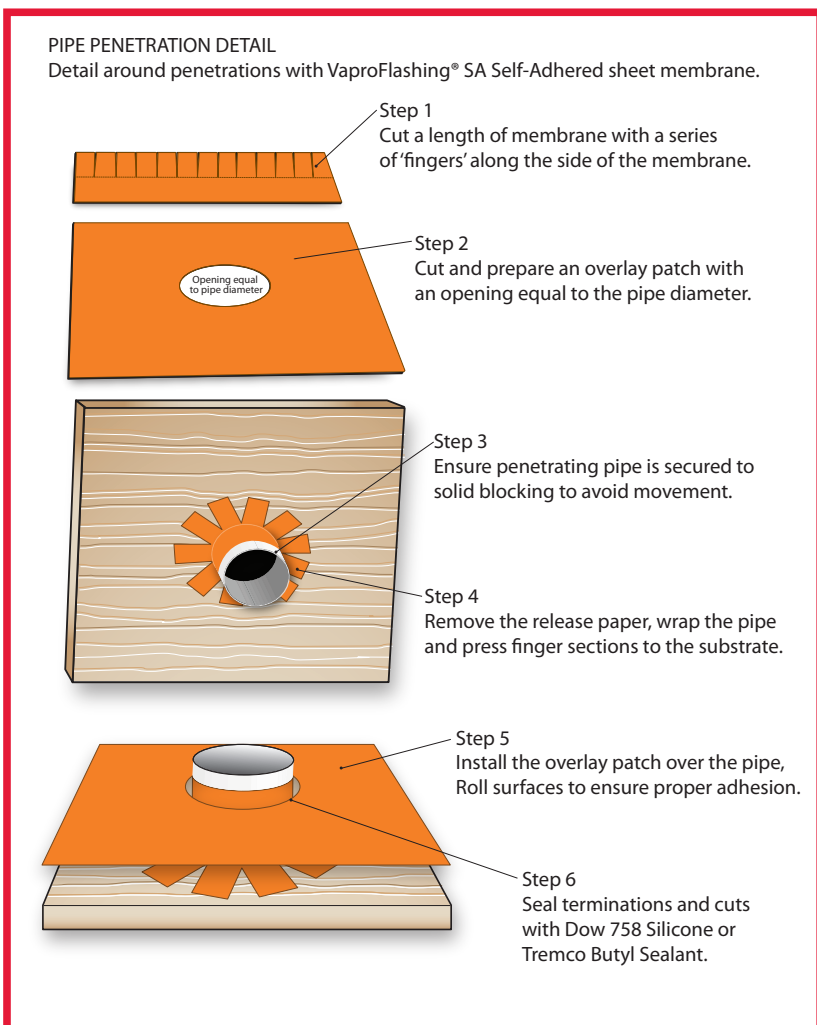
- Seal penetrations and lap seams around pipe penetrations with Dow 758 sealant or Tremco Butyl sealant.
- Detail penetrations prior to the installation of the field membrane.
- Always ensure overlapping shingle format result.

REPAIR AND CLEANING

- Measure and pre-cut roof underlayment membrane to cover damaged area with minimum 12 inch overlap to the sides and bottom.
- Always ensure overlapping shingle format result.

STORAGE

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



ROOF SLOPE APPLICATION CHART

Roof Slope	Application Notes
1:12 to 3:12	As Slip Sheet Only. (No Water Hold Out and Warranty Does Not Apply)
3:12 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 VaproTape or DOW 758 sealant) • Always ensure overlapping shingle format result at lap locations. • Butyl Tape Patch or Dow 758 sealant <u>required</u> at all roofing clips and fastener penetrations.
4:12 and greater	<ul style="list-style-type: none"> • 6" Lap –Vertical (using continuous Integrated VaproTape) • 12" Lap –Horizontal End of Roll laps (using Double-Sided VaproTape or DOW 758 sealant) • Always ensure overlapping shingle format result at lap locations. • Butyl Tape Patch or Dow 758 sealant <u>recommended</u> at all roofing clips and fastener penetrations.



VaproShield LLC 20-Year Product Warranty

Job #:
Purchase Date:
Installation Date:

Owner Name:
Address:
City/State/Zip:

Project Name:
Address:
City/State/Zip:

Installer Name
Address:
City/State/Zip:

PRODUCT:

Date Issued:

LIMITED PRODUCT WARRANTY AND DISCLAIMER*:

A) PRODUCTS TO WHICH WARRANTY APPLIES:

- 1). WALLSHIELD®
- 2). WRAPSHIELD®
- 3). WRAPSHIELD SA® SELF-ADHERED
- 4). WRAPSHIELD RS™
- 5). REVEALSHIELD™
- 6). REVEALSHIELD SA™ SELF-ADHERED
- 7). SLOPESHIELD®
- 8). SLOPESHIELD SA® SELF-ADHERED
- 9). VAPROMAT™
- 10). VAPROFLASHING™
- 11). VAPROFLASHING SA™
- 12). REVEALFLASHING™
- 13). REVEALFLASHING SA™ SELF-ADHERED
- 14). VAPROFLASHING Factory Formed Corners™
- 15). VAPROLIQUI-FLASH™
- 16). VAPROBOND™

B) LIMITED WARRANTY:

The WallShield, WrapShield, WrapShield SA, WrapShield RS, RevealShield, RevealShield SA, SlopeShield, SlopeShield SA and VAPROMAT 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/or 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 RS, RevealShield, RevealShield SA, SlopeShield, SlopeShield SA and VAPROMAT 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 RS, RevealShield, RevealShield SA, SlopeShield, SlopeShield SA and VAPROMAT 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 Best Practices, details, and installation instructions (in effect at the time of the installation) are followed.

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, suppliers, representatives or distributors 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.

Any deviation from VaproShield's published Best Practices, details, and installation instructions (in effect at the time of the installation) shall void this warranty as to the entire project, unless such deviation was pursuant to a written directive or approval by VaproShield's Technical Team. Under no circumstances is a product sales representative, or any other individual or entity, authorized by VaproShield to direct or approve any VaproShield product installation, including but not limited to any deviation from VaproShield's published Best Practices, details, and installation instructions.

This Warranty is not valid unless and until VaproShield product has been paid for in full.