

SLOPESHIELD® Roof Underlayment - INSTALLATION INSTRUCTIONS

ROOF UNDERLAYMENT FASTENERS

For Wood Sheathing Substrate

Galvanized/stainless steel nails, screws or staples (for spec see Guide Specifications downloadable at www.vaproshield.com)

For Metal Girts or Metal Deck Substrate

Pancake head self-drilling screws with gasket and/or VaproAdhesive sprayed at 2" wide.

For Rigid Insulation Substrate

Use nails/screws with roofing plates as recommended by insulation manufacturer.

INDUSTRY BEST PRACTICE

VaproShield always recommends the use of best practices in roofing construction and recommends applying permanent roof covering with tapes at all laps as soon as possible.

STEP 1 – BEGIN FLASHING PENETRATIONS

1. Cut a piece of SlopeShield to act as a "skirt" around counter-flashed penetrations i.e. ducts/housings or pipes. Distance from penetration to edge of underlayment "skirt" minimum 12".
2. Make four cuts to form a star shape and place over penetration snugly.
3. Extend "ears" of material up penetration and seal with VaproTape Single-Sided.
4. Tape top and side edges of "skirt" to roof using VaproTape Single-Sided. Do not tape bottom edge.

STEP 2 – ATTACH ROOF UNDERLAYMENT

1. In climates conducive to ice damming, install peel and stick along eaves and valleys as per UBC/IBC.
2. Along valley, hip and ridge lay a single layer of SlopeShield vertically. Fasten at 12" on center.
3. At valleys and hips ensure vertical overlap at minimum 18" on center both sides.
4. At ridge ensure horizontal overlap at minimum 12" on center both sides.
5. Starting at lowest eaves, unroll SlopeShield horizontally across roof substrate color side up (overlap peel and stick minimum 12").
6. Extend 4" over gable ends and fasten onto fascia board at 12" on center
7. Fasten at top and bottom of roll width **at 12" on center**. Distance from edge of underlayment to center of fasteners maximum 2".
8. Fasten at maximum 2' 0" on center, minimum 12" on center.
9. Shingle next layers of SlopeShield ensuring minimum 12" horizontal laps and minimum 12" vertical laps. Tape all laps with VaproTape.
10. Extend SlopeShield up vertical abutments. Cover with metal flashing.

STEP 3 – FINISH FLASHING PENETRATIONS

1. Ensure SlopeShield layer is slipped under bottom edge of SlopeShield "skirt" and shingled down over taped top edge.
2. Seal top and sides with VaproTape Double-Sided.
3. Ensure whole "skirt" assembly is flashed appropriately with metal.

STEP 4 – INSTALL ROOF COVERING AS QUICKLY AS POSSIBLE – WITHIN 4 months.

1. Cedar shingles/Slate – nail directly through SlopeShield into sheathing.
2. Metal – per metal roof system installation requirements.
3. Clay Tile – fasten/hang on battens and cross battens.

Manufactured for: VaproShield LLC/ APG Ltd
Manufacturing Location: Forfar, Angus, Scotland
Installation Instructions Revised 03.12.09
Insert #063

IMPORTANT

1. If installing in high wind conditions take health and safety precautions.
2. Do not tape tears. Install a patch under tear. Shingle patch down to next horizontal overlap and extend 12" beyond sides of tear.
3. **Wall and roof substrates should be dry, free of frost, loose nails and dirt. Water resistance may be adversely affected by building site chemicals (i.e. surfactants).**
4. Cover SlopeShield with primary roof covering within **4 months** of installation. If delay is expected, roof tarps are required.
5. During SlopeShield installation, prevent rainwater runoff draining from upper roofs to lower roofs (overhangs/eaves/valleys onto SlopeShield underlayment).
6. Limit heavy foot traffic on SlopeShield and repair any damaged material due to traffic abuse.
7. SlopeShield is not recommended for use on slopes 3:12 and below and should be not be covered by asphalt shingles.

TOOLS & MATERIALS

- Box Cutter
- Tape Measure
- Fasteners
- Tools for nails/screws
- Tape Roller
- Vapro Tape Expanding Foam
- VaproTape Double-Sided
- VaproTape Single-Sided
- VaproTape UV Black
- VaproTape "AB" (Air Barrier)
- VaproAdhesive
- VaproBatten
- VaproVent Strip
- VaproSill Saver
- VaproFlashing





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:

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
- 6). VAPROFLASHING™
- 7). FACTORY FORMED CORNERS™

B) LIMITED WARRANTY:

The SlopeShield, WallShield, WrapShield, WrapShield SA and WrapShield HS 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.