

## OVERVIEW

WrapShield IT Integrated Tape is a mechanically attached high performance Water Resistive Barrier (WRB) and Air Barrier (AB) material designed for above grade use in drainage cavity walls. WrapShield IT Integrated Tape is recommended for applications requiring a high level of vapor permeability while limiting air leakage and infiltration through the building enclosure. WrapShield IT Integrated Tape provides outstanding liquid water holdout capabilities as a Water Resistive Barrier (WRB) and with the Integrated Tape joints integrated at the horizontal overlaps, a high performance air barrier is easier to install than ever before!

## BEST PRACTICES OVERVIEW

- WrapShield IT Integrated Tape is installed with approved fasteners in a Horizontal, Shingle Fashion.
- Building layout should be planned prior to installation to minimize waste and ensure all interfaces and penetrations are identified and detailed correctly to protect against water and air infiltration.
- **Horizontal overlaps must be at 6"** in order to properly seal the Integral Tape joint. **Vertical overlaps are to be 12" minimum and require** VaproBond™ Adhesive Sealant, to provide an Air Barrier Seal. Vertical overlaps are to be staggered a minimum of 24" and should not occur directly above or below windows or doors.
- Inside and outside corners can be continuous, or if a vertical joint occurs within 24" horizontally, an overlap of 12" minimum in both directions is required, providing a double layer at the corner.
- Cladding attachment components are to be counted in the overall attachment requirements.
- WrapShield IT Integrated Tape must be correctly shingled with all openings, penetrations and flashings to deflect liquid water to the main drainage plain and ultimately to the exterior of the building.
- Always install WrapShield IT Integrated Tape in a "*weatherboard or shingle fashion*" with the upper courses lapped on top of the courses below, using the dotted line provided at 6" down from the top edge.
- Immediately roll the integrated tape horizontal seams with floor roller to ensure full contact to prevent moisture and air infiltration.
- Sustains six (6) months (180) days UV and climate exposure prior to cladding installation.



**VAPROSHIELD REQUIRES A DRAINAGE CAVITY SYSTEM TO BE INCORPORATED INTO ALL WRAPSHIELD IT INTEGRATED TAPE WRB/AB INSTALLATIONS.**

## SUBSTRATE INFORMATION

- WrapShield IT Integrated Tape can be installed over multiple substrates including: Plywood, OSB, Framing Lumber, Gypsum Sheathing, Rigid Insulation, and Semi-Rigid Insulation (Mineral Fiber).
- WrapShield IT Integrated Tape can be installed **over wet substrates** to limit further water intrusion and to allow the substrate to dry during the construction period, provided the following procedures are implemented:
  - *The roof of the structure must be completely dried in by either temporary measures or permanent installation, in order to prevent water intrusion throughout the remainder of construction.*
  - *Window and door rough openings should be protected against water intrusion by temporary or permanent measures throughout the remainder of construction.*
  - *Proper means and methods of drying the entire structure sufficiently prior to closing up the building enclosure is the responsibility of the General Contractor.*

### FASTENING GUIDELINES

- **WrapShield IT Integrated Tape** is mechanically fastened to the substrate. Stainless steel staples or cap nails may be used as temporary fasteners during installation but only at locations that will be covered by the shingling of the next layer of material. See the following sequential Installation steps.
- **DO NOT place fasteners in the Integral Tape overlap area** prior to removal of the release film and sealing of the Integral Tape seam. Fasteners placed in the tape area can tear the release film during removal, resulting in a poor seal. Fasteners should be placed in the overlap area only after the Integral Tape release film has been removed and the horizontal joint is sealed.
- Exposed fasteners for the **WrapShield IT Integrated Tape** WRB/AB will require **VaproCaps** and #6, #7, or #8 size corrosion protected bugle headed screws of the appropriate thread design and length for the underlying substrate and framing material.
- **VaproCaps** are washers that have been extensively tested for both water and air leakage and substitutions are not recommended.
- Cladding attachments that penetrate the WRB/AB should be factored into the overall fastening quantity and placement.
- The quantity and placement of fasteners will vary depending on the following variables:
  - Length of time that the installed **WrapShield IT Integrated Tape** WRB/AB will be exposed prior to installation of cladding attachments such as: furring strips, battens, hat channels, masonry ties, metal extrusions, etc.
  - Spacing between the cladding attachments (i.e. 16", 24", 32" o.c., etc.)
  - Type and material chosen for exterior cladding
  - Local weather conditions
- Plywood and OSB sheathing applications: Use coarse threaded bugle head design wood screws in the above mentioned sizes, installed with **VaproCaps** in the sheathing only, without contacting the underlying framing members.
- Gypsum Sheathing and Metal Framing: Use self-drilling fine threaded screws in the above mentioned sizes and shape with **VaproCaps** installed into the underlying metal framing or strapping.
- Fasteners for **VaproBattens**, furring strips, cladding clips, hat channels, etc. should be evaluated for liquid water holdout properties before selection or installation. **Gasketed fasteners are recommended** whenever possible. Call VaproShield Technical Department, 1.866.731.7663 for further clarification.



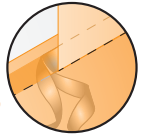
VaproCaps are washers that have been extensively tested for both water and air leakage and substitutions are not recommended. Use #6, #7, or #8 size corrosion protected bugle headed screws

### OPEN JOINT SYSTEMS

Use RevealShield Water Resistive Vapor Permeable Air Barrier Membrane. [www.VaproShield.com/revealshield](http://www.VaproShield.com/revealshield)



Scan here for information



**BEST PRACTICE INSTALLATION SEQUENCE FOR WRAPSHIELD IT INTEGRATED TAPE**



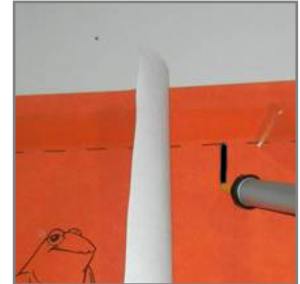
1. Begin installation at the base of the wall, progressing in a shingle fashion upwards.



2. Install with SS staples in the top 2" above the Integral Tape. Avoid stapling in the tape area.



3. Line up the bottom of the upper course of material with the dotted line, creating a 6" overlap.

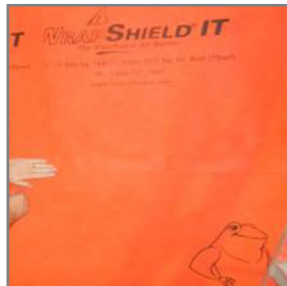


4. Overlap vertical seams by 12" minimum. Apply VaproBond Adhesive Sealant bead just below Integrated Tape line at the vertical seam joint.

Snap a level chalk line for guidance.



5. Apply VaproBond Adhesive Sealant in a single bead down the membrane to the bottom of the sheet.



6. Lay overlapping layer of WrapShield IT onto vertical sealant joint and smooth with hand pressure.



7. Cut and pull back release film at bottom of membrane sealant joint where horizontal joint intersects with vertical joint. Go over sealant joint with a weighted roller.



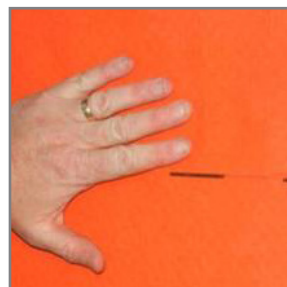
8. Begin joining horizontal seams by removing both release films (the underside of the overlapping upper course and the top side of the lower course).



9. Line up both release films together so they can be pulled down the wall with one hand.



10. Use the opposite hand to smooth the two layers together as the release film is removed.



11. Smooth out wrinkles with hand pressure.



11. Immediately roll the integrated tape horizontal seams with floor roller to ensure full contact.

## VaproShield LLC 20-Year Product Warranty

**Job #:**  
**Purchase Ship 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:**

VaproShield membranes and roofing underlayments.

**B) LIMITED WARRANTY:**

The VaproShield membranes and roofing underlayments are suited for their intended use as an underlayment, weather resistive barrier or 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](http://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) VaproShield membranes and roofing underlayments that are 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 VaproShield membranes and roofing underlayments 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 1) pursuant to a written directive or approval by VaproShield's Technical Team or 2) specified and/or detailed by a qualified architect, engineer, or waterproofing consultant and such deviation is in conformance with all applicable building codes, regulations, and standard good building practices.

The International Building Code (IBC) requires buildings to be designed and constructed so as to prevent water accumulation within the wall assembly, including by installing a water-resistive barrier behind the exterior cladding. In addition, the building should provide a means of draining water to the exterior, unless it is determined that water behind the cladding would not be detrimental to the wall assembly. Conventional, exterior, stucco cladding systems must include an underlying drainage mat and a rainscreen water management system in order to qualify for our standard, 20-year material-only warranty on any VaproShield products used in stucco cladding wall assemblies.

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.