VAPROSHIELD®
Breathable Membrane Systems for Roofs & Walls

Mass Timber Moisture Protection

vapor permeable membranes for comprehensive mass timber moisture protection during and after construction. Roof Deck/Floor Deck Protection: SlopeShield Plus Self-Adhered, Framework Protection: WallShield IT

Tools and Accessories



Rollers: (+/-) 100-lb.
Flooring Roller (2-person lift) = Extendable 7.5' hand roller



Push Broom
(medium to soft bristle)



Razor knife
or slitting tool with spare blades (carbide or better)



Flooring Scraper and/or sandpaper



Sausage gun



Flashing accessories



VaproTape

Compatible Substrates



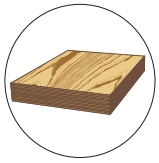
Cross-laminated timber (CLT)



Nail-laminated timber (NLT)



Dowel-laminated timber (DLT)



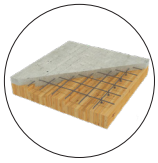
Vertically laminated veneer lumber (LVL)



Glue-laminated timber (GLT)



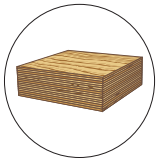
Laminated strand lumber (LSL)



Timber-concrete composites (TCC)



Parallel strand lumber (PSL)



Mass plywood panel (MPP)

Do's

- DO communicate with the general contractor and other trades to avoid careless damage
- DO remove ponding water as soon as possible
- DO cover membrane as soon as practical, maximum exposure time is 180 days
- DO follow recommended installation instructions for optimum product performance
- DO roll discarded release liner for optimum disposal efficiency
- DO add additional appropriate protection over membrane when welding or grinding
- DO ensure drains are clear of debris and functioning properly
- DO treat any exposed leading edges
- DO install SlopeShield Plus SA on low slope roofs (≤ 2:12) above 35°F (1.67°C) and rising and at least 5° above the dew point
- DO install SlopeShield Plus SA on steep slope roofs above 20°F (-6.7°C) and rising
- DO install SlopeShield Plus SA only in dry conditions
- DO provide positive drainage on all SlopeShield SA Plus surfaces
- DO ensure all sealants, tapes, and membrane laps are properly rolled and verify bond quality after installation

Don't's

- DON'T install surface with ice or frost present
- DON'T leave release liner underfoot, dispose immediately
- DON'T store materials in direct sunlight and inclement weather until ready for use
- DON'T subject SlopeShield Plus to any chemicals
- DON'T install SlopeShield Plus SA over standing water
- DON'T install SlopeShield Plus SA below designated temperature
- DON'T apply hot asphalt or hot rubber directly to the membrane surface

Delivery, Packaging and Storage

- Store materials in original packaging at temperatures between 40°F and 120°F (4°C - 49°C).
- Protect materials from direct sunlight and inclement weather until ready for use.

Substrate Preparation

- Inspect surface, touch-up, sand or scrape to make smooth
- Ensure the substrate is clean, dry and free from dust, dirt, and debris.
- Ensure substrate fasteners are flush with surface and fastened into solid backing.
- Weather conditions, dew, application temperature, installation techniques, and moisture can affect the bond of SlopeShield Plus SA and accessory components.
- Use extra caution during overnight or early morning installations, as dew can form quickly and be difficult to detect on the black (SlopeShield Plus SA) membrane surface

SAFETY

Persons who access any roofs, involved with roof construction, repair or maintenance shall use appropriate personal protective equipment including, but not limited to, hard hats, eye protection, and leather gloves and must be trained on safe practices relevant to their work.

Where the use of ladders, scaffolds, platforms, or temporary floors are utilized, safety lines and safety harnesses shall be used. Please access the OSHA Web site at www.osha.gov, contact your local OSHA office, or visit the local federal bookstore to obtain the most current information on OSHA 29 CFR 1926.

CAUTION: Release liners are slippery. To prevent injury, liner should be removed from under foot as soon as membrane is installed and disposed of properly.

Need Technical Assistance?

We are here to help. Contact us at 866-731-7663, or email: technical@vaproshield.com.

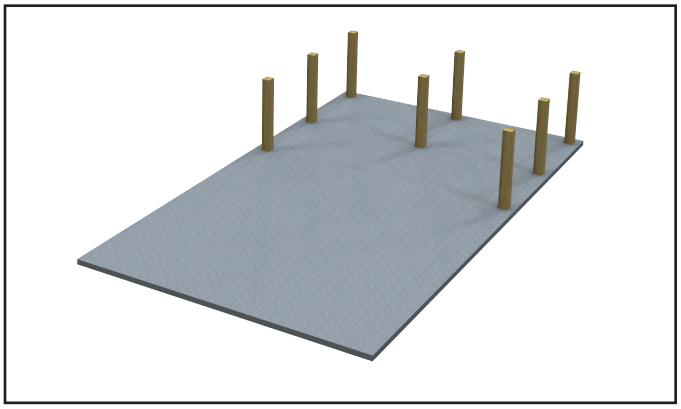
Additional Details and Sequences

Additional Installation Instructions for walls and flashing scan here.

Warranty Information

Scan the QR code to complete a warranty request form.

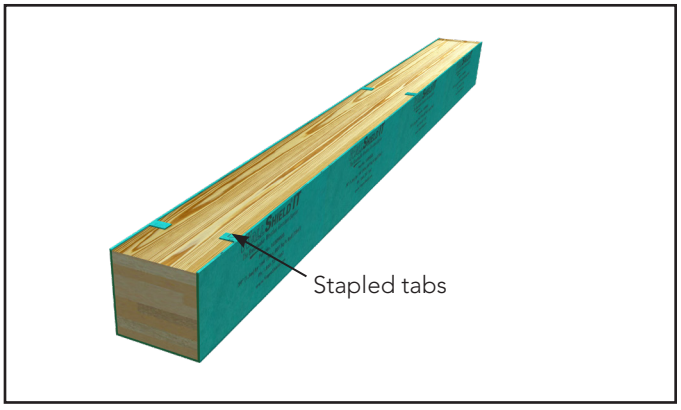
Best Practice Installation Sequence for Mass Timber Protection



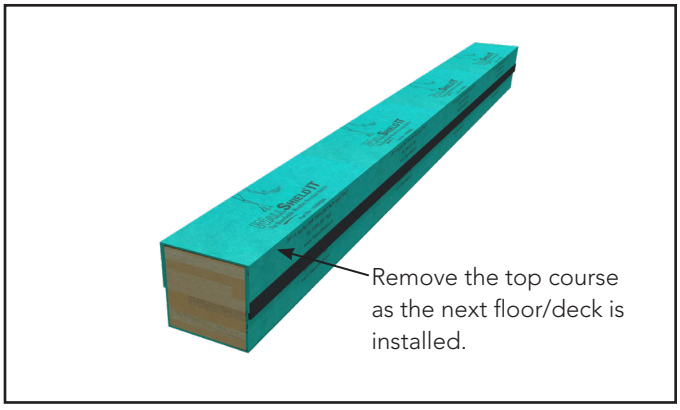
1.Remove temporary factory wrap. Install posts/columns.



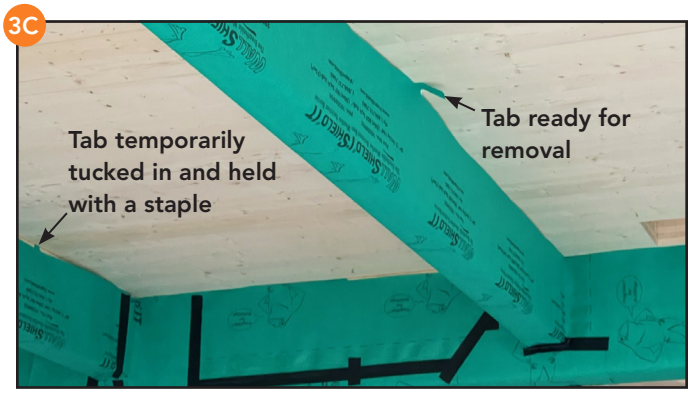
2. Wrap post/columns with WallShield IT to protect against moisture, mold, and construction damage. Use VaproTape to hold seams together when required, add corner protection (by others).



3A. Measure and cut WallShield IT to fit around the entire beam. Cut tabs on top and secure with staples to ease removal.



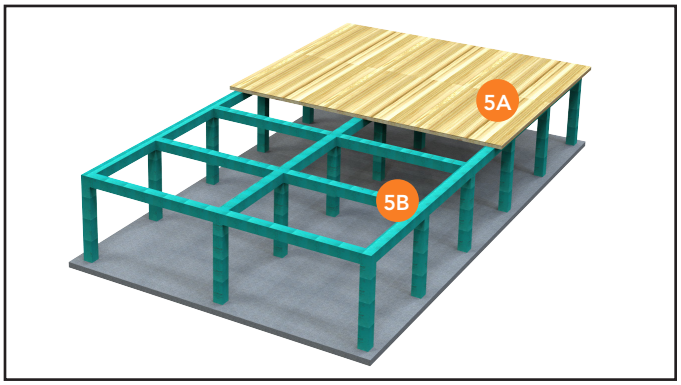
3B. Place WallShield IT over the top of the beam and secure temporarily with a few pieces of VaproTape on the sides.





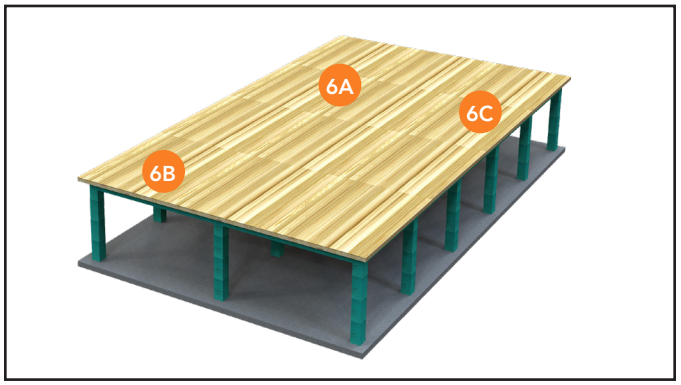
4. Connect and/or install wrapped post/column to wrapped beam. Use VaproTape as required on seams.

Best Practice Installation Sequence for Mass Timber Protection



5A. Construct mass timber floor/deck.

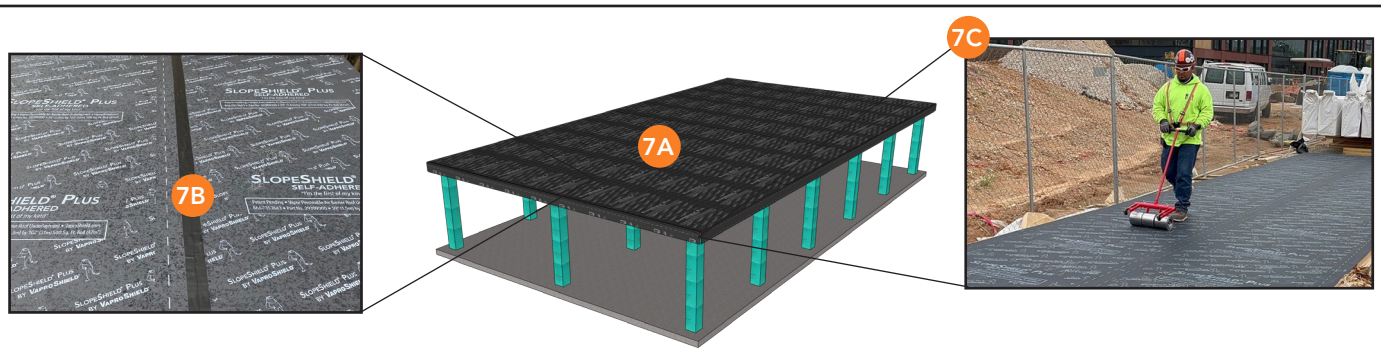
5B. Remove top pieces of Wallshield IT just before panels are laid.



6A. Prepare the substrate for installation. Inspect the surface, make any necessary touch ups, and fill voids and gaps greater than 7/8" (22.2 mm) wide.

6B. Ensure substrate is clean, dry, and free from dust, dirt, and debris. Use a vacuum or best means to remove dust.

6C. Ensure fasteners are flush with surface and fastened into solid backing.



CAUTION: Release liners are slippery. To prevent injury, liner should be removed from under foot as soon as membrane is installed and disposed of properly.

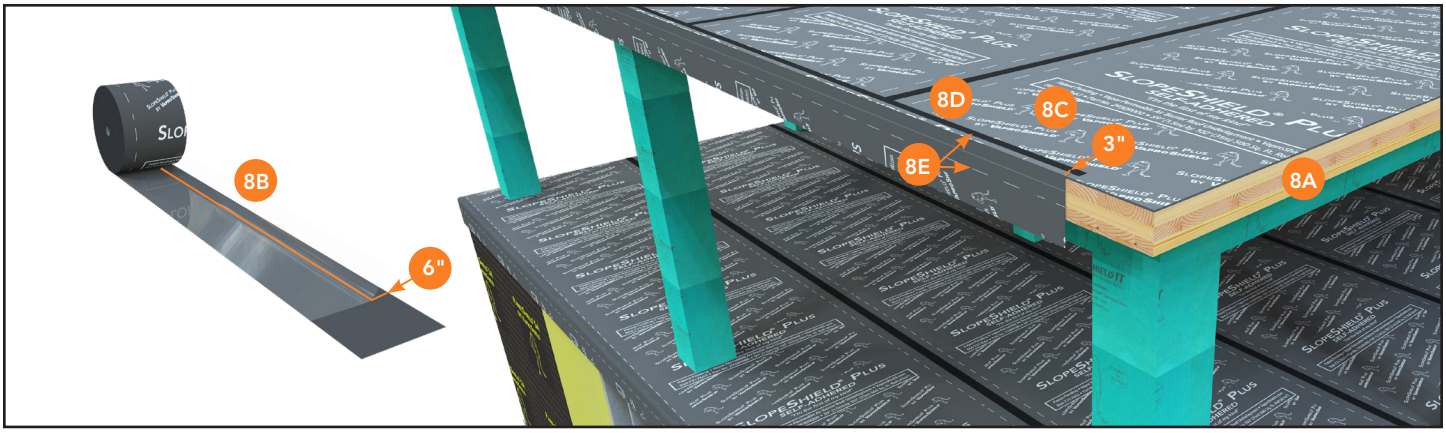
7A. Install SlopeShield Plus SA over mass timber deck/floor to protect the mass timber from moisture intrusion and construction damage.

7B. Tape all seams/laps using VaproTape.

7C: Broom and roll membrane with (+/-) 100 lbs. flooring roller to ensure adhesion.

Note: Mass timber panels with factory-applied SlopeShield Plus SA also require VaproTape at all seams and laps when the pitch is less than 2:12.

Best Practice Installation Sequence for Mass Timber Protection



8A. Protect end grains from damage and facilitate rapid water removal.

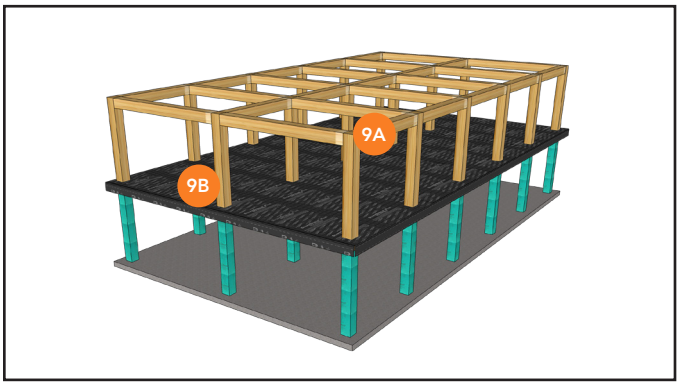
8B: Using a roll of 19" SlopeFlashing slit the release film approx. 6" from the top.

8C. Adhere 3" of the flashing over the SlopeShield Plus SA on the deck. Adhere the remaining 3" onto the end grain. Allow the remaining flashing roll, with release film on the back, to hang down.

8D: Apply VaproTape over the flashing seam.

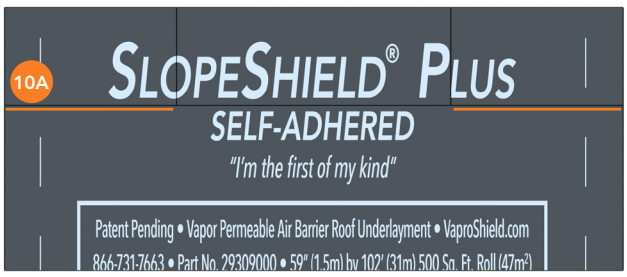
Note: Taping over lap edges in field may be omitted where slope is greater than 2:12.

8E. In high wind areas install nailing strip or term. bar for added wind protection.

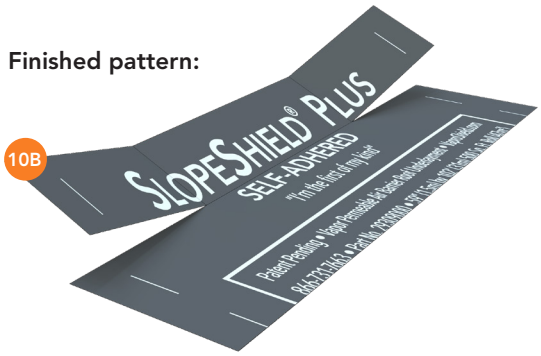


9A. Install the next level of post/columns and beams.

9B. Protect EACH column base using the steps outlined above.



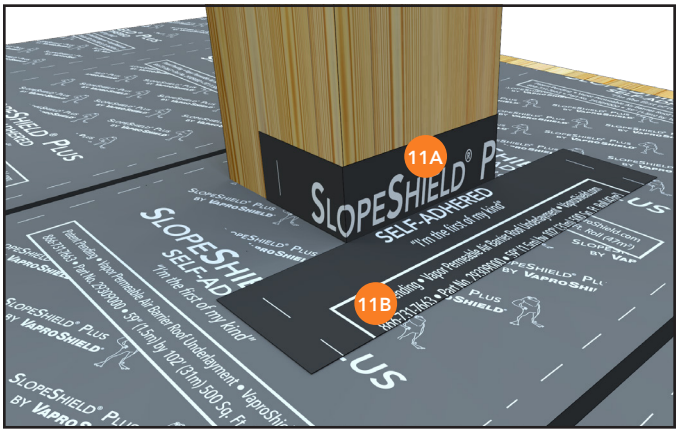
Finished pattern:



10A. Using a piece of membrane or flashing, cut 4ea. according to pattern and onsite dimensions.

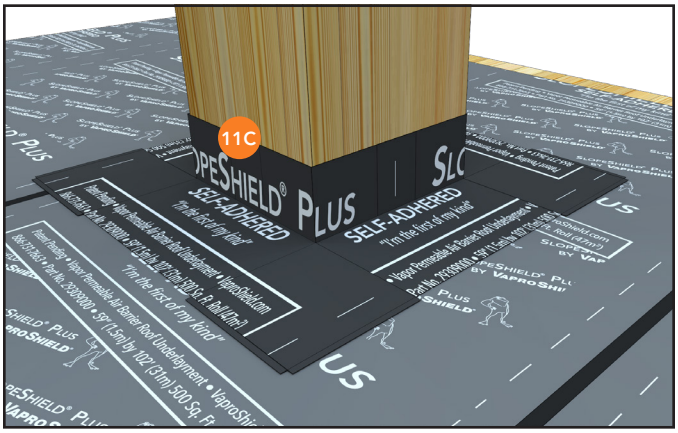
10B. **Do NOT remove the release film during the cut process.**

Best Practice Installation Sequence for Mass Timber Protection

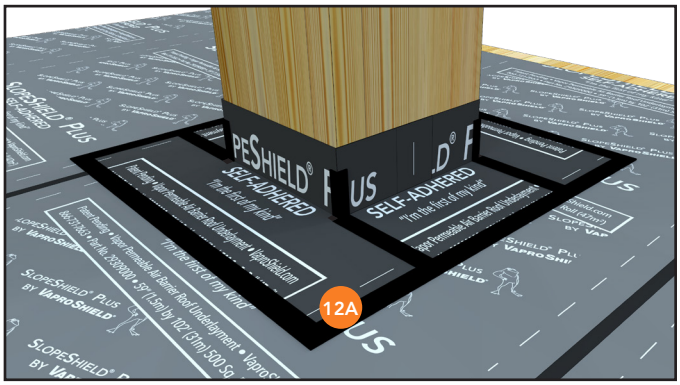


11A. Adhere against the post and the side of the posts

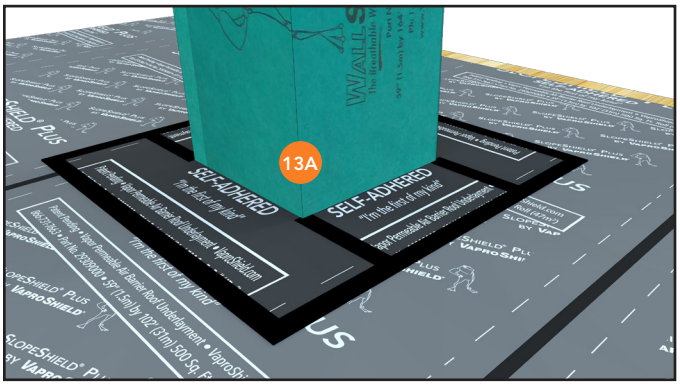
11B. Smooth remaining part of membrane over the floor/deck.



11C. Continue this process around the post.



12A. Apply VaproTape over all seams and edges of SlopeShield Plus SA.



13A. Install WallShield IT over post protection to optimize mass timber protection.