

BEST PRACTICES

OVERVIEW

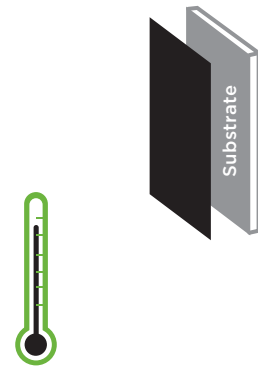
RevealShield SA Self-Adhered is a fully adhered version of the RevealShield Weather Resistive Barrier/Air Barrier membrane.

Note: The installation process of the fully adhered is different than RevealShield mechanically attached, due to the unique properties of the permeable adhesive applied to the backside of the material. The adhesive is protected by a silicone release paper which is removed during the installation process.

- RevealShield SA Self-Adhered building layout should be planned prior to application to minimize waste, this process will assist locating penetrations that will need to be correctly detailed to ensure a weather and air tight installation.
- RevealShield SA Self-Adhered can be installed in a vertical or horizontal direction.
- Always install in a “weatherboard or shingle fashion” with the lower courses lapped under the upper courses.
- All penetrations including windows and doors must be installed in proper sequence to ensure a “weatherboard or shingle fashion” end result.
- All overlaps must be a minimum of 3” on horizontal and vertical seams.
- Inside and outside vertical corners should be minimum 6” of overlap.
- Vertical seams should be staggered from floor to floor, or separated by a RevealShield SA Self-Adhered horizontally applied strip.
- Use a roller to enhance adhesion, especially in colder temperature conditions.
- Sustains six (6) months (180) days UV and climate exposure prior to cladding installation.

SUBSTRATE INFORMATION

- The substrate condition is crucial to the adhesion performance of any adhesive membrane.
- Substrates must be clean and free of any contaminants.
- Substrate surface must be dry to the touch with the ambient temperature above 20°F.
- RevealShield SA Self-Adhered can be applied to a wide variety of sheathing substrates:
GlasRoc • DensGlass Gold • Most rigid insulation • Pre-painted steel
Precast concrete • Concrete block • Plywood • Aluminum (painted or mill finish)
Cast-in-place concrete • Galvanized metal • Rigid vinyl • Steel • Anodized aluminum
- **PRIMER IS NOT REQUIRED OR RECOMMENDED.**



INSTALLATION PRACTICES

During the installation process, RevealShield SA Self-Adhered must be protected at the leading edge to ensure liquid water does not travel behind the membrane.

FOR OPEN JOINT CLADDING SYSTEMS

- Maximum open joint size between cladding components is up to 2” horizontal and ½” vertical open joints.
- Maximum 40% total open wall area

ADHESIVE CURING TIME

- Normal curing time is approx. 6 hours.
- Full adhesion will vary depending on job site weather conditions.

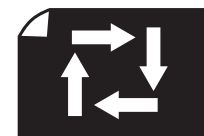


FLOOR LINE MOVEMENT

- Buildings are designed to accommodate thermal and seismic movement.
- RevealShield SA Self-Adhered must be installed to allow this movement throughout the life of the structure.
- To accommodate floor-line movement in wood frame construction: Limit coverage area to a single floor and shingle subsequent layers over the top leading edge.

RevealShield SA Self-Adhered IS NON-DIRECTIONAL

- Install pieces vertically or horizontally.
- Ensure “weatherboard manner” by installing pieces over the top of the pieces below.
- Pieces are easily cut to size.



PENETRATIONS

- Please refer to www.VaproShield.com/details for method and sequencing.
- Always ensure weatherboard result is achieved.

ORIGINAL PACKAGING FUNCTIONS AS DISPENSER

- Keep RevealShield SA Self-Adhered in original packaging
- Carefully lift one end of the product out of the box and slide the plastic wrap off
- Replace the roll in the box/dispenser and carefully remove the tape in the middle of the roll.
- Keep plastic roll cover to protect partial rolls during installation.



KEEP PACKAGING

MANAGEABLE LENGTHS

- Pre-cut material into individual manageable lengths for installation by pulling material off the main roll to the desired length.
- Cut material square to the factory edges.
- Re-roll material same direction it came off the roll, with the release paper outward.
- Cut material to desired length with extended blade razor knife.



Ribbit Tip: Order pre-cut 11 3/4" RevealFlashing SA Self-Adhered material to use at window and door rough openings.

SINGLE WORKER VS. TWO WORKER INSTALLATION

- Using the material at its full width, 59", vertical installation can be easily accomplished by a single worker.
 - Horizontal installation of the full width material is best accomplished by two workers.
 - Partial width rolls are easily installed by a single worker.
- * Please see the sketches of installation methods and view the videos on our website for further clarification.

VERTICAL AND HORIZONTAL INSTALLATION - (view video at www.VaproShield/installation.com)



Horizontal installation of the RevealShield SA Self-Adhered material is similar to the vertical installation method. The material can be applied either left to right, or right to left (28 1/2" rolls recommended max. for horizontal installation, available by special order).

BEST PRACTICE INSTALLATION SEQUENCE

1. Snap a level chalk line for guidance
2. Pre-cut material to desired length
3. Roll material with release paper facing OUTWARD
4. Starting at a corner of the roll, peel back approx. 6" of release paper
5. Cut the release paper with razor knife and tear the cut portion of the release paper exposing approx. 6" of glued surface
6. Using hand pressure, lightly apply the exposed glue surface to the substrate
7. Starting in the middle, use your hands to smooth out air bubbles, releasing the air to each side
8. APPLIES ONLY TO VERTICAL INSTALLATION - Allow the rolled up material to drop down the wall, with the remainder of the release paper still attached, checking for proper alignment
9. Reposition as needed - the material is very forgiving allowing for easy re-alignment
10. When aligned, apply heavy hand pressure across the entire adhered section
11. Roll up the material with release paper facing OUTWARD
12. Slowly pull the release paper down the wall, allowing the rolled up material to unfurl
13. Lightly smooth out air bubbles with wallpaper trowel
14. Continue until all the release paper has been removed
15. Pull back and reposition material (if necessary) as it unfurls
16. Apply heavy pressure to the entire substrate to ensure full adhesion (use a roller for best results)
17. Proceed with next step, ensuring a 3" minimum overlap to the adjoining material, always in a weatherboard manner

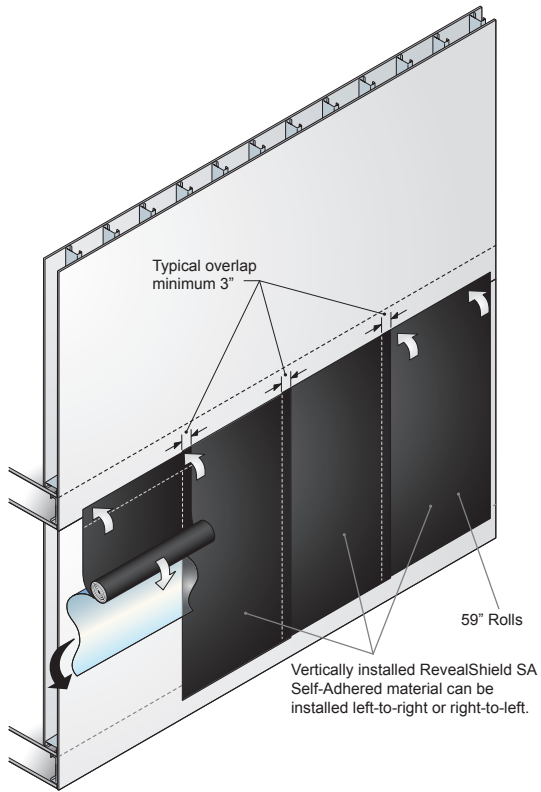
INSTALLATION BEST PRACTICES

- Avoid scoring the membrane at locations where the material overlaps onto the adjacent piece.
- Allow the top layer of material to span across the underlying layer without attempting to force the material into a 90° bend.
- Avoid stretching the material during installation at inside and outside corners.
- A full 6" overlap in either direction is recommended vertically at inside and outside corners.

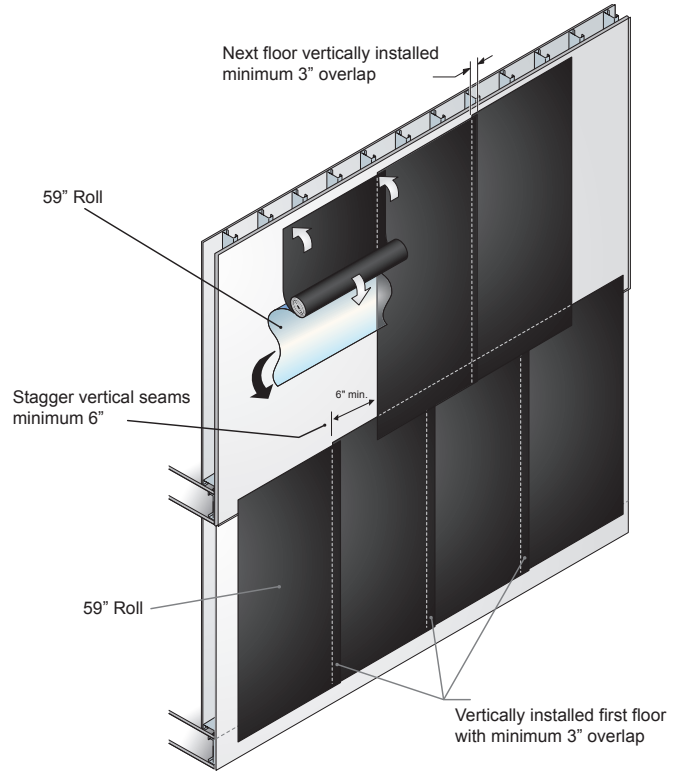
STORAGE

- Must be stored vertically
- Must be kept dry
- Must be stored in temperatures between 40° F and 120° F (4°C - 49°C)

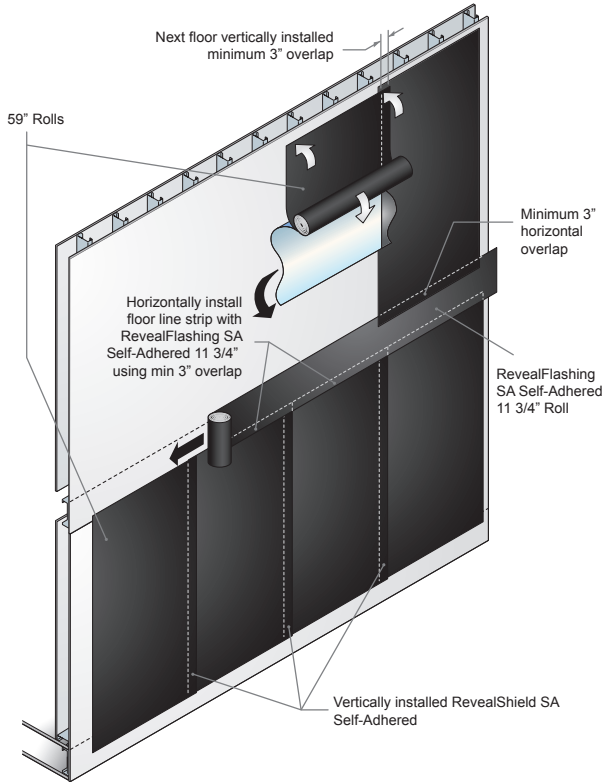
★ THIS IS NOT A SEQUENCE OF INSTALLATION STEPS. EACH IS A SEPARATE SITUATION.



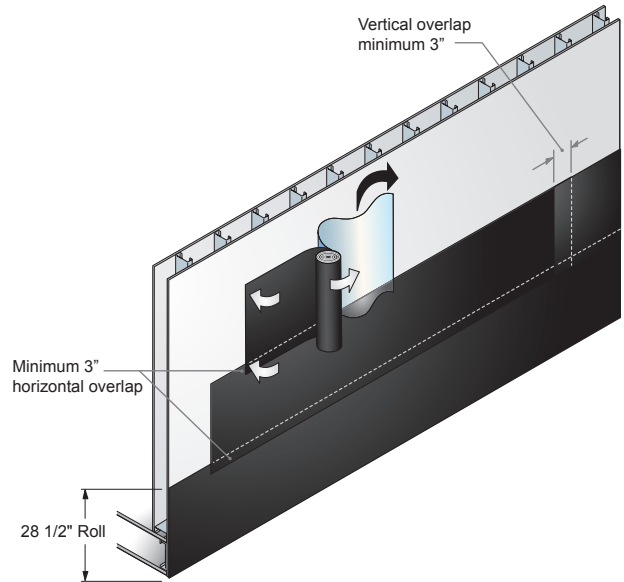
VERTICAL INSTALLATION



MULTI FLOOR VERTICAL OVERLAP



VERTICAL INSTALLATION
HORIZONTAL FLOOR LINE



HORIZONTAL INSTALLATION