VAPROSHIELD®
Breathable Membrane Systems for Roofs & Walls

SlopeShield® Plus Self-Adhered

an Air Barrier and Permeable Vapor Retarder Membrane with Self-Drying Technology

Roll Size: 59" Product No.: 29309000/Roll Size: 29.5" Product No.: 41303400

SlopeFlashing

Product No.: 41308000

Tools and Accessories

Weighted Roller min. 70lbs (linoleum or steel)

Roofers knife

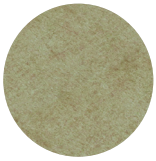
Gloves

Sausage gun

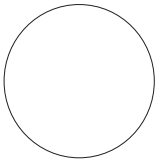
Flashing accessories

VaproTape

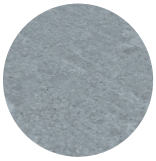
Compatible Substrates



Gypsum Roof Board

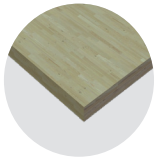


Rigid Insulation

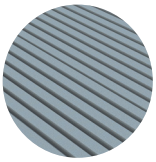


Concrete and Lightweight Insulating Concrete (Bull float finish or better)

Plywood



Mass Timber



Steel Deck Pre-painted galvanized metal

Aluminum Painted/Mill finish

OSB and most OSB factory-coated products

Do's

- DO install on roof applications with a minimum slope of 1/4:12
- DO ensure all side and head laps are a minimum of 3" (7.5 cm)
- DO roll the membrane with a weighted roller, min. 70 lbs
- DO ensure all sealants, tapes, and membrane laps are properly rolled and verify bond quality after installation
- DO use VaproTape on all seams when using SlopeShield Plus SA for temporary weather protection on low slope roofs
- DO install in a shingle fashion perpendicular to the roof slope with VaproTape in low lying areas, such as drains, valleys, etc
- DO install above 35°F (1.67°C) and rising and min. 5° above the dew point
- DO cover membrane as soon as practical, maximum exposure time is 180 days
- DO provide positive drainage on all surfaces
- DO ensure surfaces are in sound, clean condition and free of oil, grease, dirt, excess mortar or other contaminants
- DO fill voids and gaps in substrate greater than ½" (12.7 mm) wide
- DO conduct on-site adhesion testing along with moisture meter testing, prior to installing new insulation and roof membrane
- DO use primer as required to meet uplift pressures*
- DO consider extra measures to secure all edges in high wind situations.
- DO ensure drains are clear of debris and functioning properly
- DO treat any exposed leading edges
- DO apply only in dry conditions
- DO ensure surface is dry to the touch

Don't's

- DON'T install reverse laps or install seams against the flow of water
- DON'T install below 35°F (1.67°C) and decreasing
- DON'T install on a roof below 1/4:12 without prior written approval from VaproShield Technical
- DON'T expose membrane to ponding water
- DON'T leave release liner underfoot, dispose immediately
- DON'T store materials in direct sunlight and inclement weather until ready for use
- DON'T apply hot asphalt or hot rubber directly to the membrane surface

*Contact VaproShield Technical

LOW SLOPE INSTALLATION

SlopeShield Plus Self-Adhered - Full Width Roll Part No.: 29309000 / SlopeShield Plus Self-Adhered - Half Width Roll Part No.: 41303400

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.

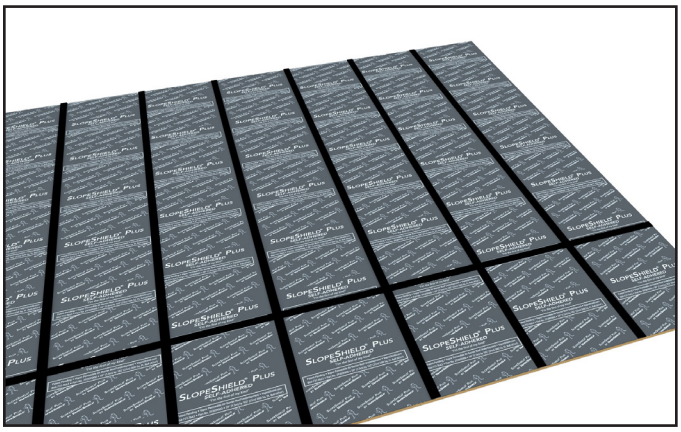
Delivery, Packaging and Storage

Store roll materials in original packaging at 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

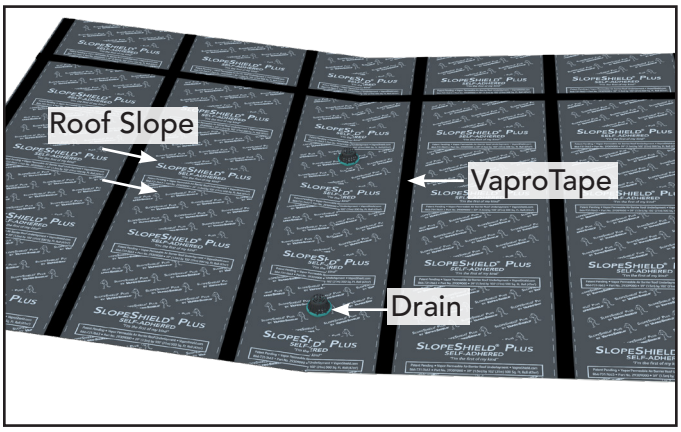
- Ensure the substrate is clean, dry and free from dust, dirt and debris.
- Steel surfaces must be clear of any oil residue and moisture.
- Weather conditions, dew, application temperature, installation techniques, and moisture can affect the bond of SlopeShield Plus SA and accessory components.
- Use extra caution during overnight or early morning installations, as dew can form quickly and be difficult to detect on the black membrane surface.
- Ensure substrate fasteners are flush with surface and fastened into solid backing.
- Ensure newly poured concrete surfaces must be finished by forming, wood float, steel or power trowel, or broom finished to meet a CSP of 2 – 4, in accordance with the ICRI Technical Guideline No. 310.2R-2013.

Technical Guidelines



IMPORTANT INSTALLATION NOTE EXPOSURE TIME

When using SlopeShield Plus SA in a self-drying application or as temporary weather protection, all seams must be taped and rolled with a weighted roller to ensure proper adhesion.



LOW LYING AREAS, DRAINS

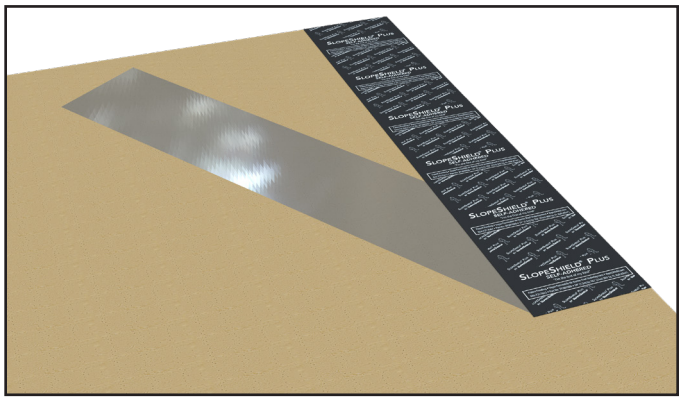
Under ¼:12 or in low lying areas, such as drains and valleys, VaproTape is required on all seams 1 foot on either side of the drains.

Note: VaproLiqui-Flash (min. 30 wet mil.) can be used as an alternative to VaproTape for sealing seams in damp environments. Refer to VaproLiqui-Flash installation instructions.

Additional Details and Sequences

Scan QR code for additional sequences and details or Contact us at 866-731-7663, or email: technical@vaproshield.com.

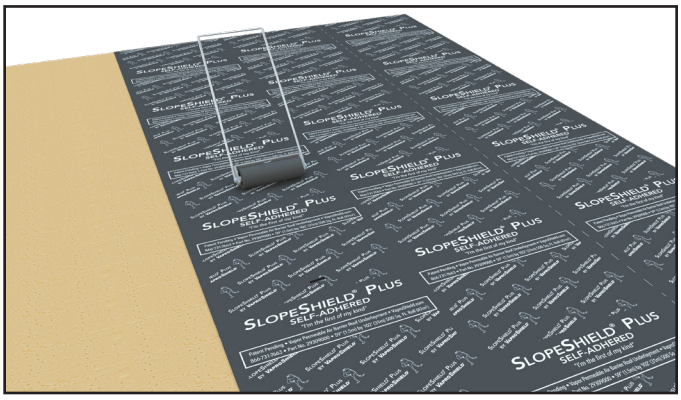
STANDARD INSTALLATION PRACTICES: INSULATION AND COVERBOARD SUBSTRATES (WOOD, GYPSUM)



STEP 1

Starting at the low point of the roof, unroll SlopeShield Plus SA onto the clean, dry substrate.

Once leading edge is set, while holding the sheet tight, remove the silicone release film by pulling diagonally.

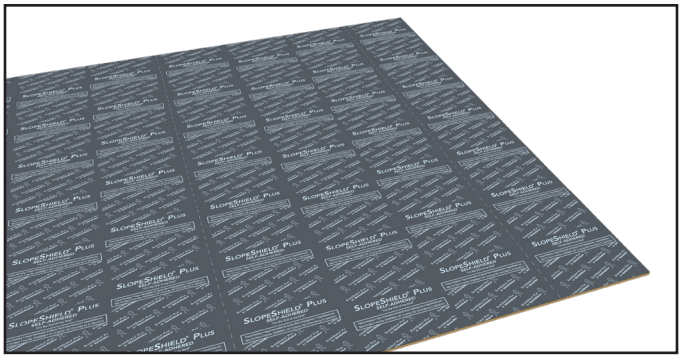


STEP 2

When installing subsequent rolls of SlopeShield Plus SA ensure 3" (7.5 cm) side laps are maintained.

After multiple rolls are installed, roll the membrane with a weighted roller, min. 70 lbs.

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



STEP 3

When left exposed to precipitation, positive slope and adequate drainage is required. The effects of weathering may vary based upon local climate and project conditions. May be used as temporary protection at the discretion of the general contractor or building professional. Maximum exposure is 180 days prior to coverage.

LOW SLOPE INSTALLATION INSTRUCTIONS

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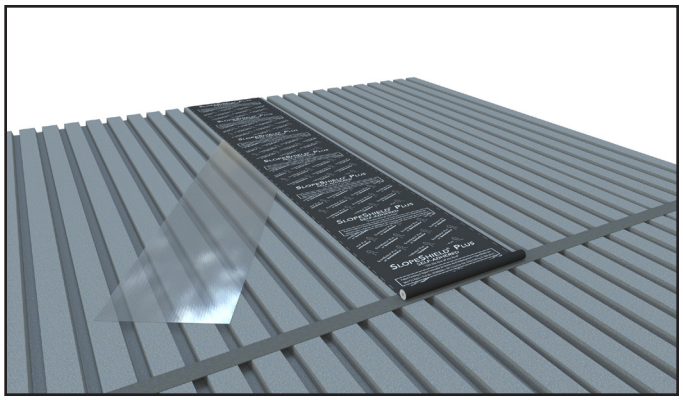
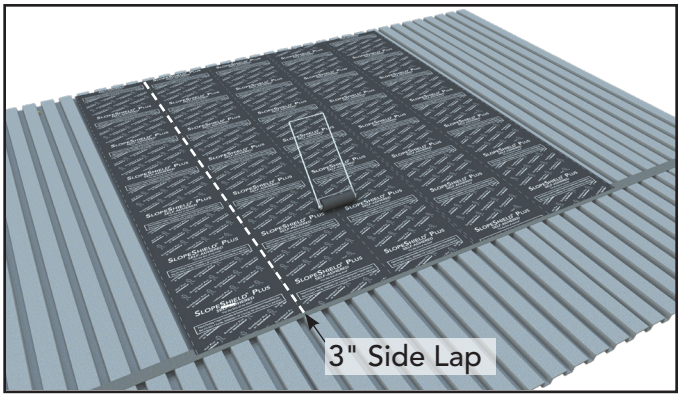
STANDARD INSTALLATION PRACTICE: STEEL DECK



STEP 1

Ensure factory-applied oil has been weathered or removed from the deck.

Starting at the low point of the roof, unroll SlopeShield Plus SA onto the clean, dry substrate.

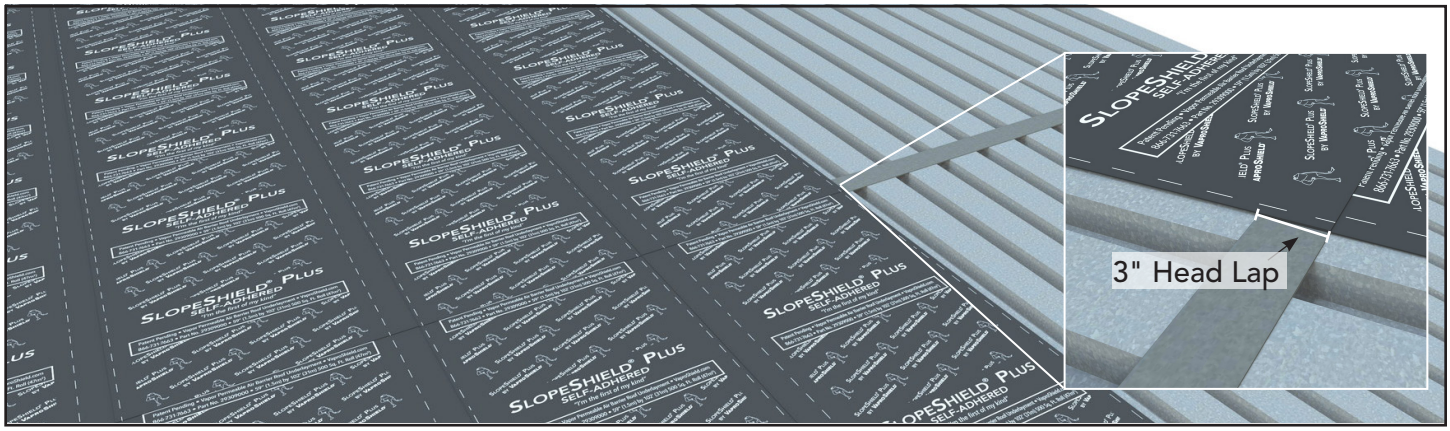


STEP 2

Sequence work to plan placement of head laps.

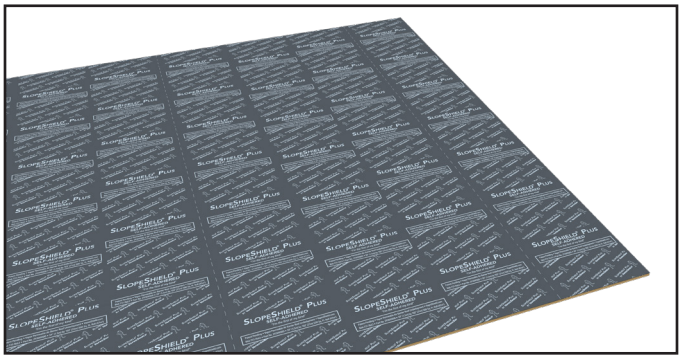
When installing subsequent rolls of SlopeShield Plus SA ensure 3" (7.5 cm) side laps are maintained.

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



STEP 3

At the head lap a min. 4" metal sheet is required to support the membrane head lap between the flutes. Ensure 3" (7.5 cm) head laps are maintained on metal sheet plate for each course.



STEP 4

When left exposed to precipitation, positive slope and adequate drainage is required. The effects of weathering may vary based upon local climate and project conditions. May be used as temporary protection at the discretion of the general contractor or building professional. Maximum exposure is 180 days prior to coverage.

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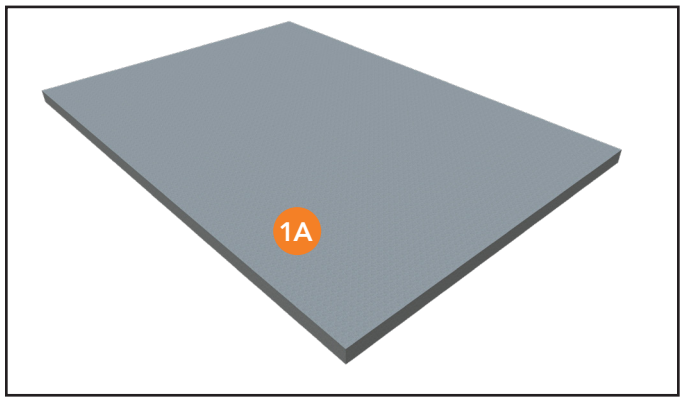
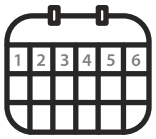
STANDARD INSTALLATION PRACTICE: STRUCTURAL AND LIGHTWEIGHT CONCRETE



STEP 1

1A: Concrete deck installed by others.

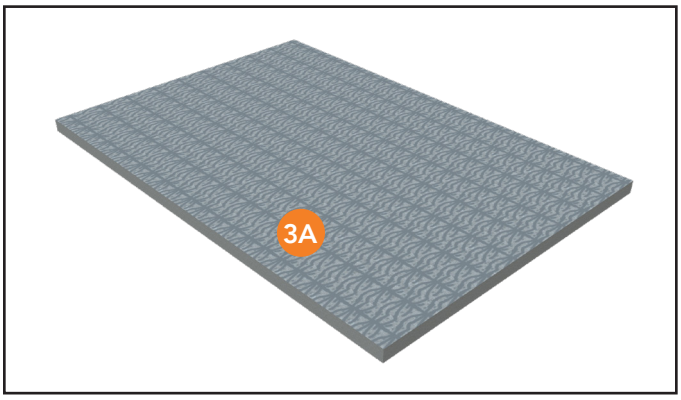


STEP 2

2A. SlopeShield Plus SA may be installed as soon as six days after pour, as long as the surface is dry to the touch and meets all substrate preparation requirements.

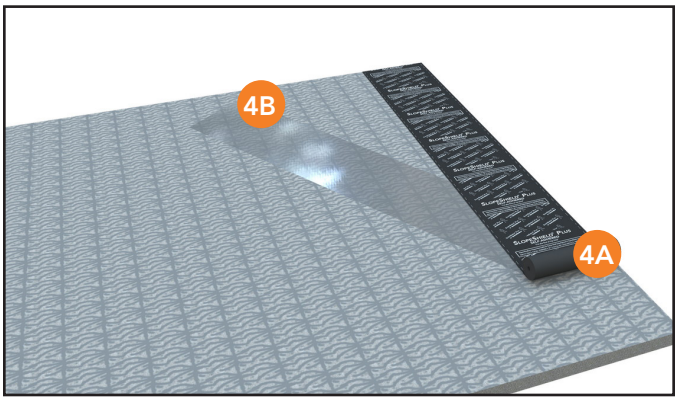
2B. In the case of lightweight insulating concrete, substrate preparation includes priming the surface with specified primer 48 to 72 hours after pour.

2C. Note: SlopeShield Plus SA does not speed up the natural curing process of concrete. Proper curing must take place to ensure substrate integrity and performance following the American Concrete Institute (ACI) guidelines for curing and subject to the Authority Having Jurisdiction for the project.



STEP 3

3A. **Prime surface as required**.
Contact VaproShield Technical 253-851-8286 for primer requirements.



STEP 4

4A. Starting at the low point of the roof unroll SlopeShield Plus SA onto primed surface.

4B. Once placed, while holding the sheet tight, remove the silicone release paper. Remove release paper from under foot.

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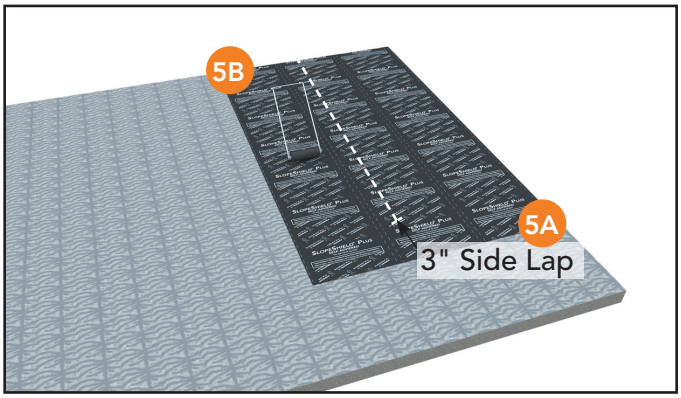
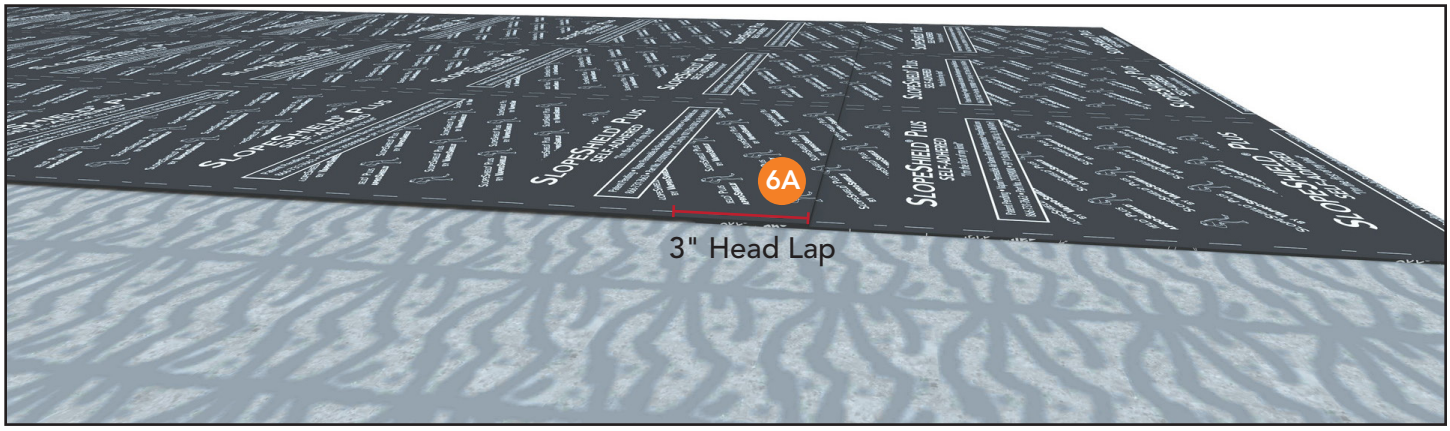


STEP 5

5A. Install subsequent rolls of SlopeShield Plus SA ensure a 3" min. (7.5 cm) side laps are maintained.

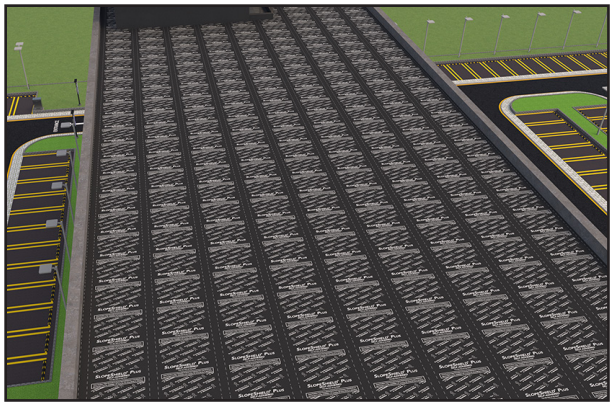
5B. After multiple rolls are installed, roll the entire section of installed membrane with a weighted roller, min. 70 lbs.

STANDARD INSTALLATION PRACTICE: STRUCTURAL AND LIGHTWEIGHT CONCRETE CON'T



STEP 6

6A. At the end of each roll, ensure 3" (7.5 cm) head laps are maintained.



STEP 7

7A.Once installed, VaproShield recommends following American Concrete Institute (ACI) guidelines for cure time before installation of the final roofing system.

7B.Before installing the final roof system, it is recommended that the project team confirm the substrate is adequately cured and ready for roofing. This verification should come from the appropriate design professionals, such as the Architect of Record, Structural Engineer, or Authority Having Jurisdiction. Ensuring that moisture levels, structural requirements, and surface conditions meet expectations is essential for the performance of the full roof assembly.