VAPROSHIELD®
Breathable Membrane Systems for Roofs & Walls

BlockShield™ SA Plus

a self-adhered air, water and vapor barrier roofing underlayment:
Roll Size: 60" Product No.: 37509299, Roof Half Roll Size 30" Product No.: 37509199

Overview

BlockShield SA Plus is a self-adhered, non-asphaltic, high temperature, air and vapor barrier membrane. This product is designed for applications either direct to deck or over a thermal barrier board.

BlockShield SA Plus can be installed on roofs with a minimum slope of 1/4":12 in both commercial and residential construction or compatible substrate.

Compatible Membranes and Materials

- Metal Roofing
- Cedar Shingles/Shakes
- Slate and Tile
- Single-ply
- Modified Bitumen

Storage and Handling

Store materials on end in original packaging at temperatures between 40°F and 120°F (4.4°C and 48.9°C). Protect materials from direct sunlight and inclement weather until ready for use.

Substrate Preparation

- Steel surfaces must be clear of any oil residue and moisture.
- Wood decks must be dry to the touch and clear of dirt and dust.
- Prime structural concrete as required.
- Ensure substrate fasteners are flush with surface and fastened into solid backing
- Install in temperatures 20°F (-6.6°C) and rising

Best Practice Installation

- Install BlockShield SA Plus and related accessories according to written installation instructions by VaproShield.
- In any direct to deck applications the protective pathways need to be installed in line with best practices.
- Ensure all side and head laps are a minimum of 3" (7.6 cm).

Best Practice Installation Con't

- After multiple runs of BlockShield SA Plus are installed, roll the entire section of installed membrane with a weighted roller (min. 70 lbs) starting from the middle working outward.
- Shingled laps are required.
- Ventilate as required per code.
- Release liners are slippery. Remove from underfoot as soon as membrane is installed.

Adhesive Curing Time

Full adhesion will vary depending on job site weather conditions. Curing will continue to occur for up to 48 hours.

Limitations

- Cover BlockShield SA Plus within 180 days of installation with permanent roofing material.
- If desired adhesion is not attained between side and head laps, due to site conditions, VaproShield recommends applying a bead of VaproBond as an additional solution to pressure rolling.
- BlockShield SA Plus is not compatible with coal tar pitch.

Compatible Substrates

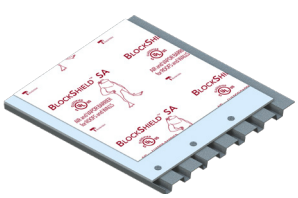
Contact VaproShield Technical – if you have additional substrate or technical questions.

- Gypsum/Fiber Roof Sheathing Boards
- Concrete (bull float finish or better)
- Plywood
- Asphalt Shingles
- Pre-painted Steel
- Galvanized Metal
- Steel Deck
- Aluminum (Painted/Mill Finish)
- OSB

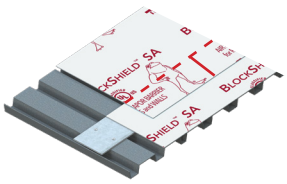
Applications



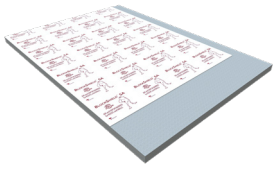
BlockShield SA Plus Installed Directly To Steel Deck



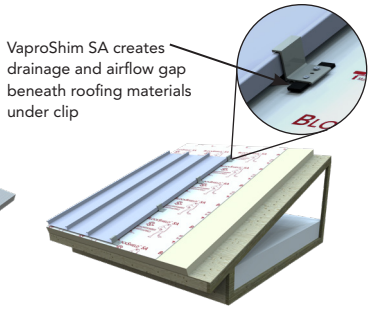
BlockShield SA Plus Installed on Thermal Board



BlockShield SA Plus Head Lap over Metal Deck

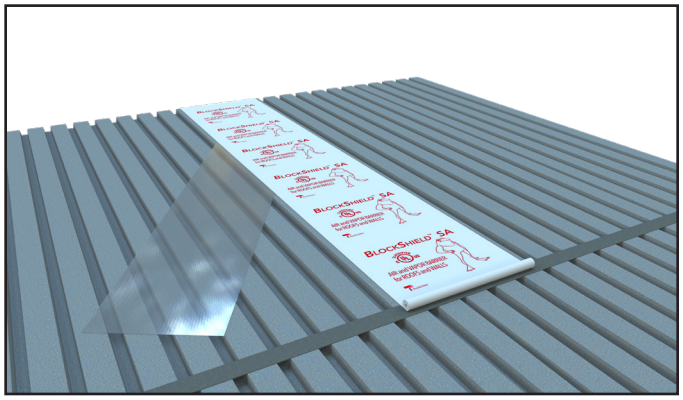


Structural Concrete Roof Decks



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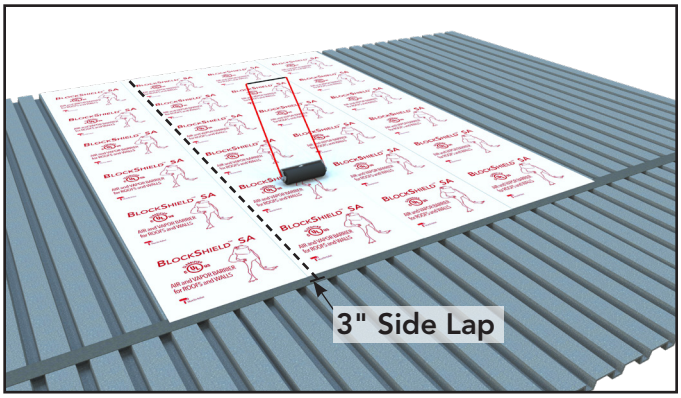
INSTALLATION BEST PRACTICES GALVANIZED STEEL



STEP 1

Starting at the low point of the roof unroll BlockShield SA Plus onto the clean, dry steel deck.

Once BlockShield SA Plus is in place, while holding the sheet tight, remove the silicone release film by pulling diagonally.

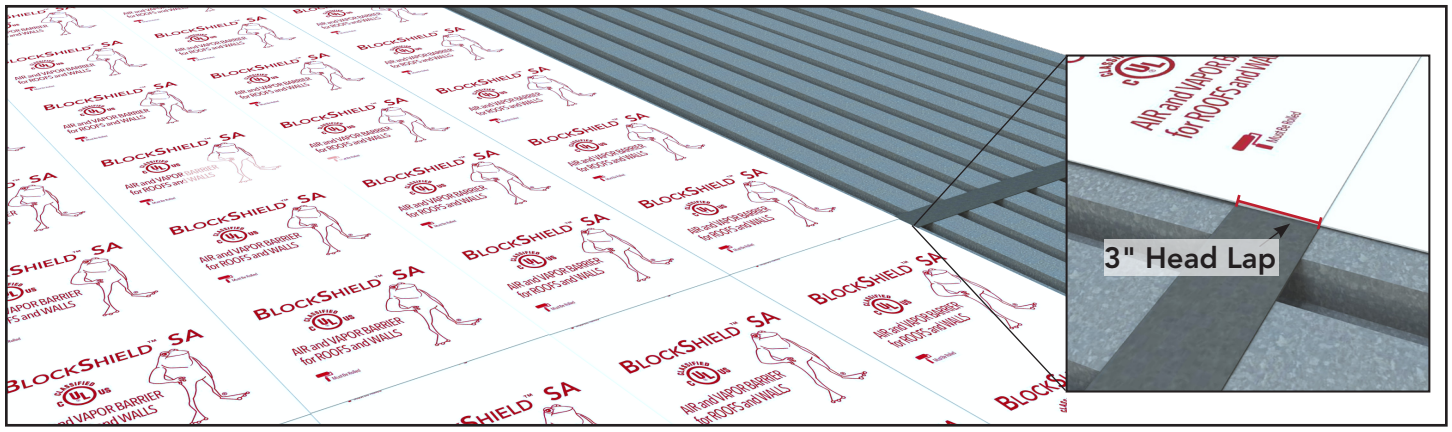


STEP 2

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

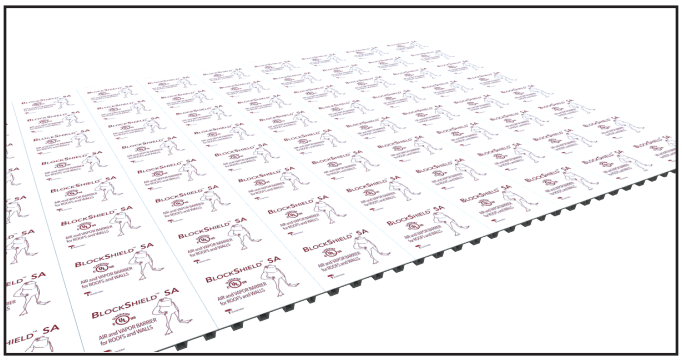
After multiple rolls are installed, roll the membrane with a weighted roller, min. 70 lbs.

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



STEP 3

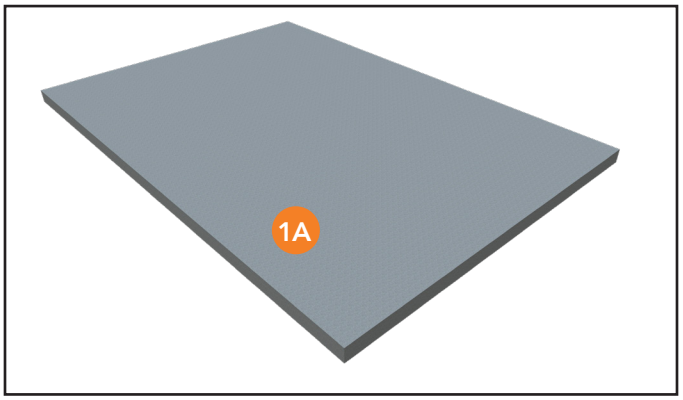
At the head lap the installation of a metal sheet is required to support the head lap between flutes. Ensure 3" (7.5 cm) head laps are maintained on metal sheet plate for each course during installation.



STEP 4

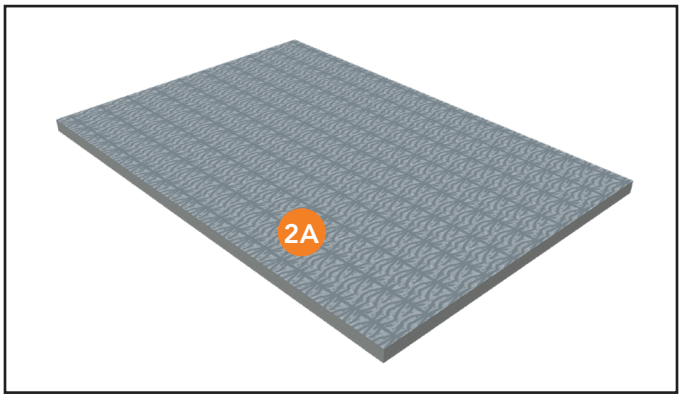
Cover as soon as possible to limit exposure to UV and construction traffic. When left exposed to precipitation, positive slope and adequate drainage is required. The effects of weathering may vary based upon local climate and project conditions. May be used as temporary protection at the discretion of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

INSTALLATION BEST PRACTICES STRUCTURAL CONCRETE



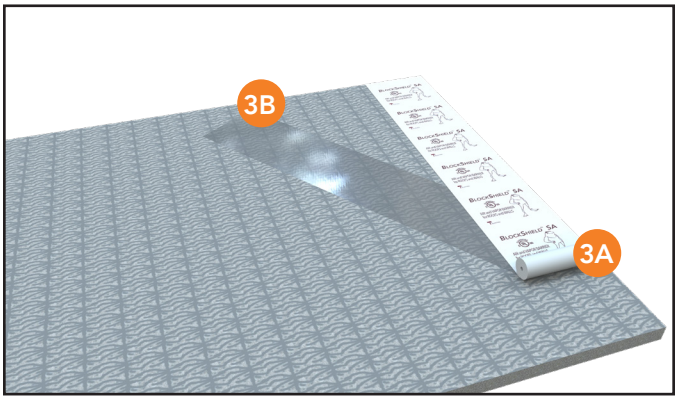
STEP 1

1A: Concrete deck installed by others.



STEP 2

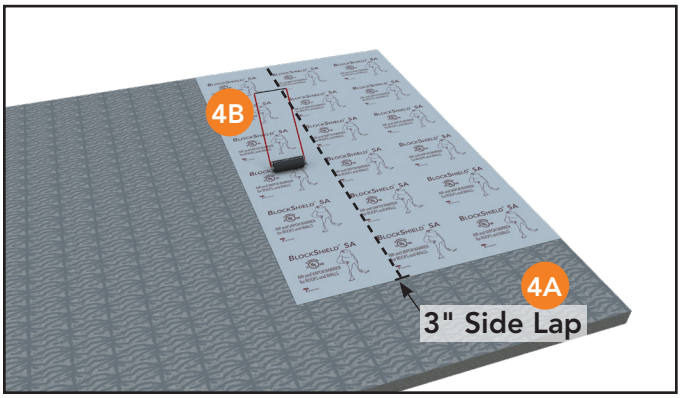
2A. Prime surface as required. Contact VaproShield Technical 253-851-8286 for primer requirements.



STEP 3

3A. Starting at the low point of the roof unroll BlockShield SA Plus onto primed surface.

3B. Once placed, while holding the sheet tight, remove the silicone release paper. Remove release paper from under foot.

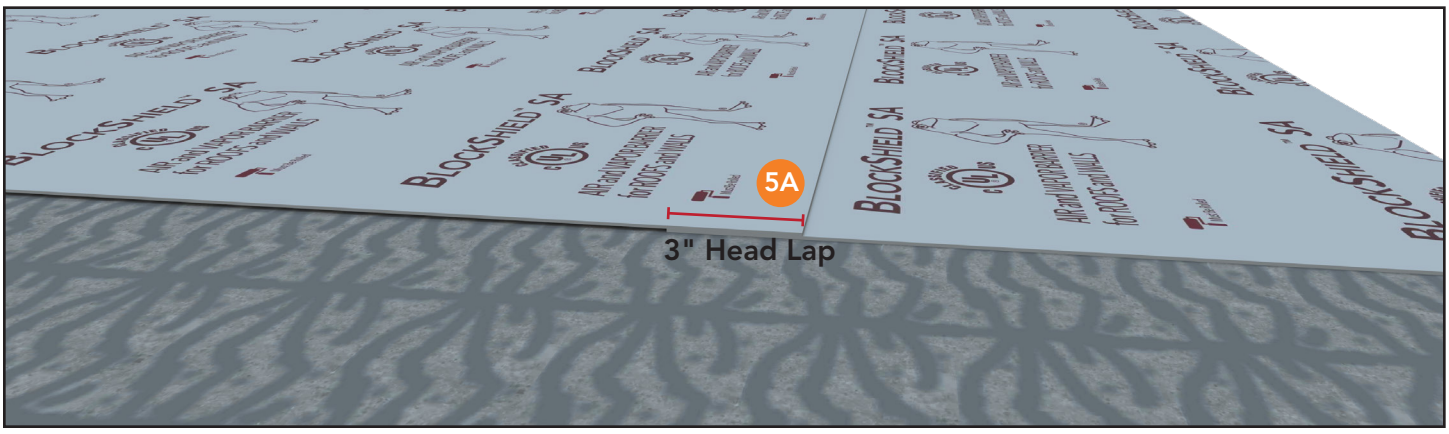


STEP 4

4A. Install subsequent rolls of BlockShield SA Plus ensure a 3" min. (7.5 cm) side laps are maintained.

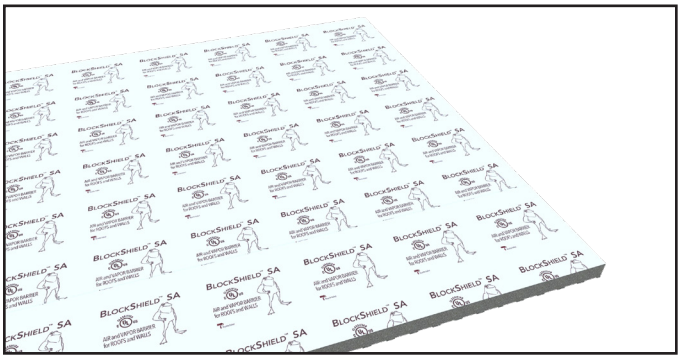
4B. After multiple rolls are installed, roll the entire section of installed membrane with a weighted roller, min. 70 lbs.

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



STEP 5

5A. At the end of each roll, ensure 3" (7.5 cm) head laps are maintained.



STEP 6

Cover as soon as possible to limit exposure to UV and construction traffic. 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.

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.

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