

## DESCRIPTION

VaporSmart SA is a self-adhering air barrier/vapor retarder for roof application that can also serve as a temporary weatherproofing membrane to be used during a roof system installation. The membrane consists of SBS modified bitumen. The surfacing of the membrane consists of a woven polypropylene film that provides UV resistance, slip resistance, and surface protection that allows the membrane to temporarily be exposed to the elements. The membrane also consists of a split-release film on the backside to aid in the self-adhering application.

## CONSIDERATIONS

- VaporSmart SA must be kept out of direct sunlight and in its original packaging until it is ready to be installed.
- Use caution when working on roof surfaces. Observe all safety guidelines.
- Apply when the ambient air temperature, roll temperature and substrate temperature are all between 50°–100°F (10°–43°C). Application in cooler temperatures will negatively affect adhesion.
- Do not expose to direct sunlight for more than 180 days.
- Steel decks do not require an application of primer; however, the steel deck must be clean, with no remaining processing oils.

### Surface Preparation

All surfaces to be waterproofed with this product must be smooth, dry, and free of projections, bulges, and old roofing materials. Dust and moisture on the roof surface or the membrane itself will prevent proper adhesion.

Acceptable properly prepared substrates include steel, plywood, or approved barrier board.

Plywood decks and other Garland approved barrier boards must be primed with Garland SA Primer at a rate of 0.5 gal./100 sq. ft. (0.21 l/m<sup>2</sup>).

**NOTE:** Never install this product over any old or existing roofing materials.

## INSTALLATION

1. Starting at the low point of the deck, peel back 12 in. of the release liner, align the roll, and carefully press VaporSmart SA into place. Unroll the material along the deck, removing release liner as it is installed.
2. For direct to metal deck applications, all side laps must align directly over an upper flange of the metal deck flute. VaporSmart SA is designed for side laps to align over an upper flange with the appropriate 3" overlap. However, there may be scenarios when this does not occur. In these situations, trim side laps to assure proper alignment over upper deck flange.
3. On fluted steel decks, it is necessary to fasten a piece of light gauge sheet metal to the deck underneath the end lap. This will ensure that there is a firm substrate to properly mate the sheets at the lap.
4. The adhesive on VaporSmart SA is pressure-activated, so press the material firmly into place using 75 lb. (34 kg) linoleum roller or equivalent to ensure a strong seal.
5. Pay particular attention to the seams and overlaps, firmly rolling them with a hand roller so they are well-sealed.
6. Overlap head laps a minimum of 6 in. Overlap side laps a minimum of 3 in. as indicated by the lap lines on the product.
7. If VaporSmart SA has been used as a temporary roof and is expected to function as a air barrier in a finished roofing system, it must be inspected and repaired. All damaged areas must be cut out and removed, and new membrane installed in those areas.
8. When the roof system is installed over this product, the insulation must be attached by mechanically fastening it the VaporSmart SA and into the structural deck.