



Siplast SA Vapor Retarder

A detailed architectural floor plan in white lines on a dark gray background, showing various rooms, corridors, and structural elements. The plan includes numerous symbols for doors, windows, and furniture, as well as dimension lines and annotations.

Installer's Guide

I. System Overview

Temperature

Do not apply Siplast SA Vapor Retarder in ambient temperatures below 32°F (0°C) and above 100°F (38°C).

Precipitation

Do not apply Siplast SA Vapor Retarder and related materials during precipitation, or if there is a threat of precipitation during installation.

Standing Water

The Siplast SA Vapor Retarder should not be applied and left exposed to areas which maintain standing water following a period of rainfall.

Exposure

Properly installed Siplast SA Vapor Retarder may be left exposed for up to 90 days prior to installation of approved new Siplast roof system.

General substrate preparation

Structural roof deck considerations should follow the guidelines from the most current edition of the Siplast Technical Guide. All surfaces to receive application of the Siplast SA Vapor Retarder should be clean, smooth, dry, frost-free, and free of loose materials or contaminants.

Acceptable Substrates and Substrate Preparation

Siplast SA Vapor Retarder is intended only to be used in conjunction with the following substrates:

- Structural concrete – Prime with PA-1125 Primer or PA-917 Asphalt Primer.
- Wood & plywood decks – Prime with PA-1125 Primer or PA-917 Asphalt Primer.
- Cement roof boards – Prime with PA-1125 Primer or PA-917 Asphalt Primer.
- Uncoated facer gypsum roof boards – Prime with PA-1125 Primer or PA-917 Asphalt Primer.
- Asphaltic roof boards – Prime with PA-1125 Primer or PA-917 Asphalt Primer.
- Coated facer gypsum boards - Priming is not required. TA-119 Primer may be used in temperatures below 50°F (19°C) to aid in adhesion.
- Asphaltic residue on substrates – Unstained asphalt is acceptable; thoroughly clean and prime dirt-stained asphaltic materials with PA-1125 Primer or PA-917 Primer.
- Metal roof decks – Priming is not required. Clean with an acetic acid / water solution in a 50:50 mix ratio. Rinse thoroughly and allow to properly dry.

Siplast TA-119 Primer or Siplast Quick Spray Adhesive may be used in lieu of solvent primers or for metal decks or coated facer gypsum boards to enhance adhesion in temperatures below 50°F (19°C) as appropriate for weather conditions and installation practices.

Substrates other than those indicated above must be approved in advance by the Siplast Technical Department.

Foot Traffic Following Application

Limit foot traffic over the completed installation.

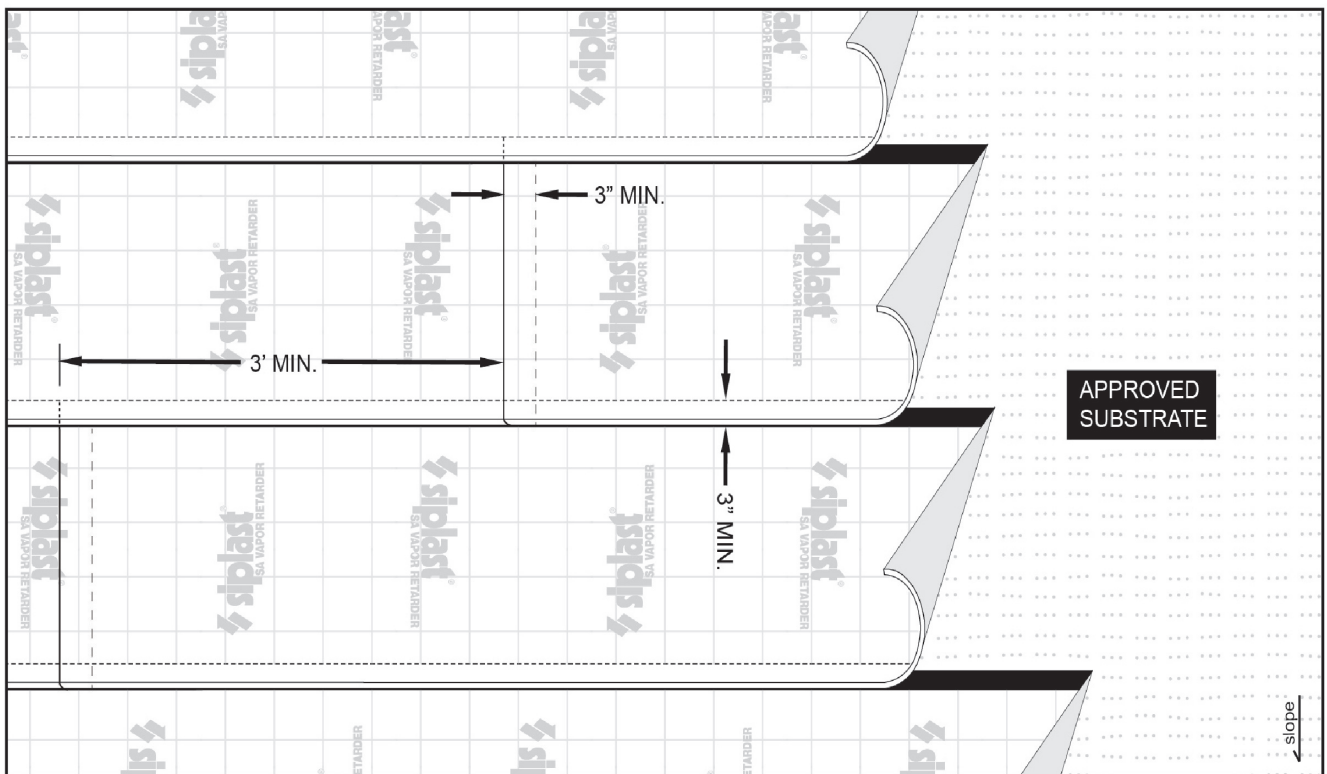
Wrinkles and Fishmouths

During the application of materials, all wrinkles and fishmouths should be corrected immediately by slicing, re-adhering the loose material, and patching. The materials used to repair the slice in the base ply layer should extend a minimum of 3 inches beyond the slice in all directions. Materials used to patch a slice in the finish ply should be cut off the end of the roll.

Water Cut-Off

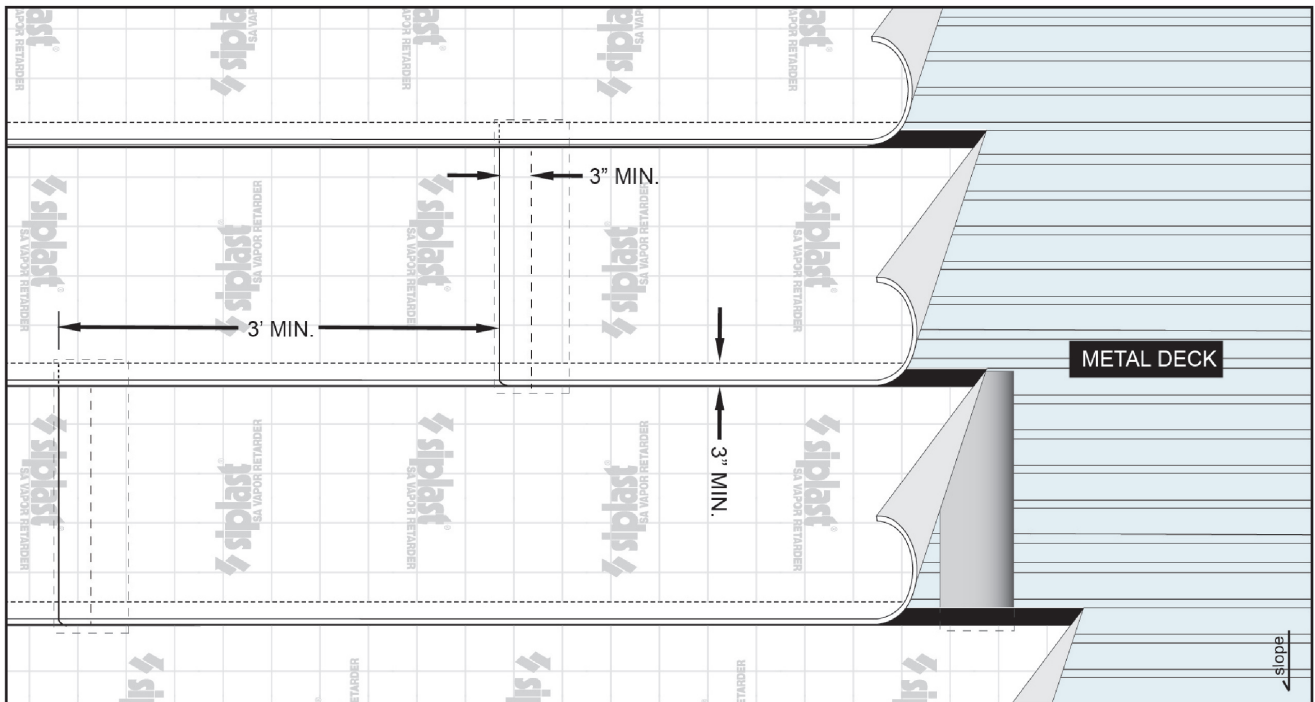
At the end of the day's work, or when precipitation is imminent, construct a water cut-off at all open edges. Cut-offs can be built using Siplast PA-1021 Plastic Cement or other appropriate materials.

II. Application – Solid, Monolithic Substrates



1. Starting at the low point in the roof, unroll the Siplast SA Vapor Retarder over the prepared substrate, and align the material with the correct placement along the roof perimeter, lapping sides and ends a minimum of 3 inches. Offset end laps a minimum of 3 feet. The materials must lay flat, without wrinkles or fishmouths.
2. While maintaining placement of the material, carefully remove the split propylene release film from the sides, keeping the film low and at an angle to the length of the sheet.
3. Apply pressure on the sheet to ensure full contact with the substrate using a shop broom or aluminum rake. Using a steel roller, apply pressure to ensure a seal at all side, and T-laps.

III. Application – Metal Decks



1. Starting at the low point in the roof, unroll the Siplast SA Vapor Retarder over the metal deck, and align the material with the correct placement along the roof perimeter, lapping sides and ends a minimum of 3 inches. Offset end laps a minimum of 3 feet. The materials must lay flat, without wrinkles or fishmouths.
2. The material should be applied so that the selvage of each sheet is fully supported by the flange of the metal deck.
3. End laps require a light gauge sheet metal support plate to bolster the overlapping of adjoining materials in the same course. The metal plate should be of sufficient gauge to span the flutes of the metal deck without deflecting and be a minimum of 6 inches wide x 45 inches long.
4. While maintaining placement of the material carefully remove the split propylene release film from the sides, keeping the film low and at an angle to the length of the sheet.
5. Apply pressure on the sheet to ensure full contact with the substrate using a shop broom or aluminum rake. Using a steel roller, apply pressure to ensure a seal at all side, and T-laps.



Siplast

1000 Rochelle Blvd.

Irving, Texas 75062

469-995-2200

Facsimile: 469-995-2205

In Canada:

201 Bewicke Ave., Suite 208

Vancouver, BC,

Canada V7M 3M7

604-929-7687

Customer Service in

North America:

Toll Free 1-800-922-8800

www.siplast.com

www.streetbond.com



For information on Siplast
Roofing and Waterproofing
Systems, scan our QR Code.