

Prime Window Systems

AAMA Method A1 Window Installation
Recommendations With Pan System



Required materials:

1. Self Adhered Butyl flashing product (SAF) 9" or 12" width
 - FortiFlash® Butyl self adhered flashing or pre-approved equal.
 - If Dens Glass is used then Henry Aquatac primer should be used before the SAF is applied.
 - 3M Super 77 is an acceptable alternate for Henry Aquatac primer.
2. Flashing Corners
 - Lightning Flash® flashing corners Corner Flash® GS 100A corners
 - Moistop **Rigid** Cornershields®
3. Sealant
 - Moistop® Sealant or pre-approved equal.
4. Staples and J-Roller
5. 1 5/8" min. exterior grade pan head screws and screw gun

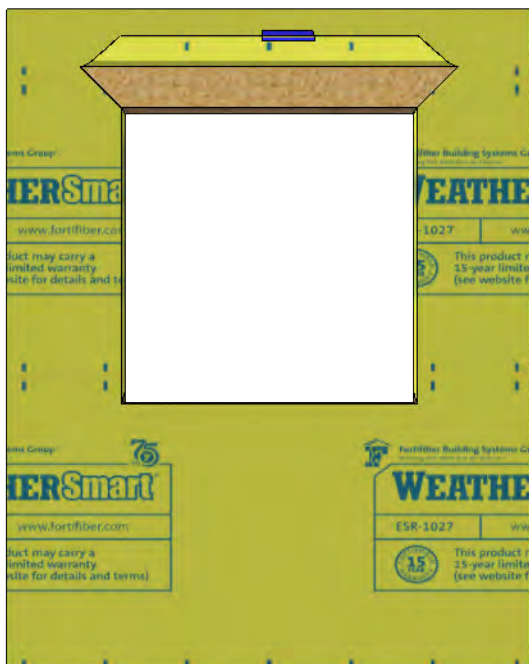
If any questions arise from these details please contact Prime Window Systems customer service at 509-248-4462

For Lightning Flash and Corner Flash products call 800-310-7673



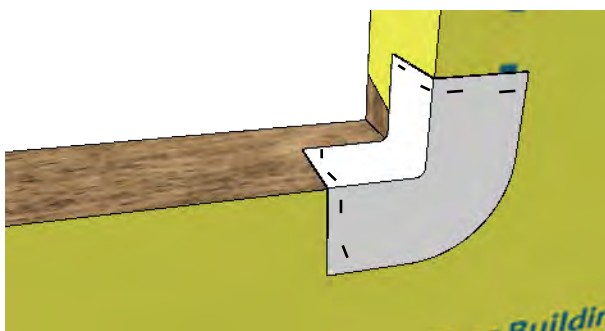
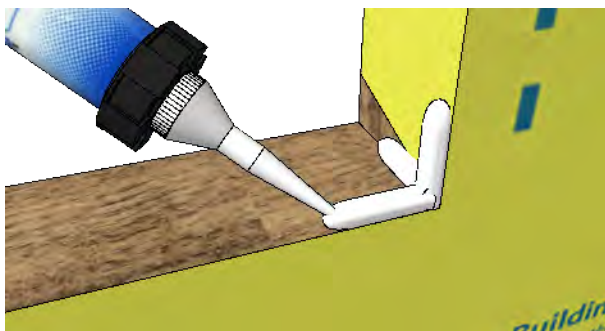
STEP 1

Rough Opening (RO)



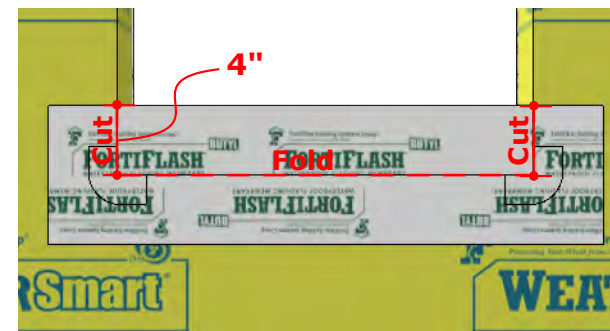
STEP 2

Flashing Corners



STEP 3

Membrane Pan Step 1



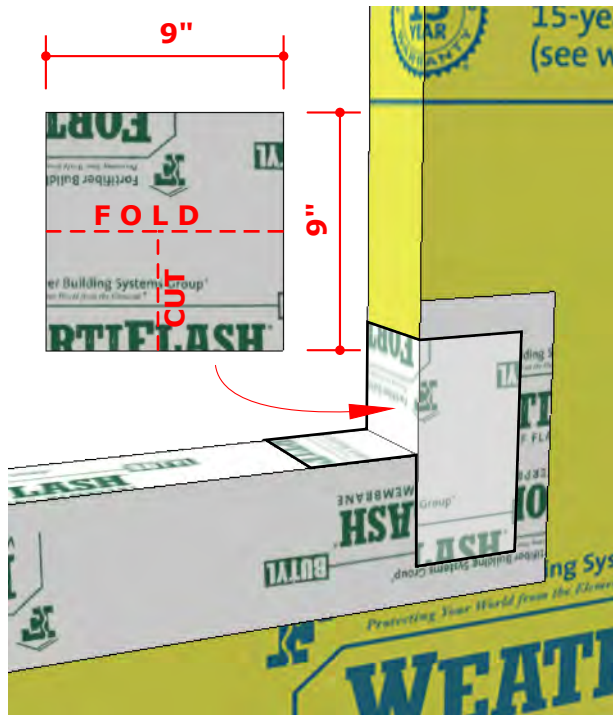
After the house wrap product has been applied, ensure the Rough opening (RO is 1/2" greater in width and height than the net frame size of the window. Ensure the RO is level, square and plumb. If the house wrap product has not been cut to expose the RO, cut the house wrap product according to the manufacturer's requirements. Pull house wrap in at the sides, cut flush at the bottom and pull upwards at the top and secure the top flap upwards with tape, or per manufacturers recommendations.

Apply sealant in each of the 2 lower corners. Press 2 pre-made Lightning Flash flashing corners (or approved equal) into each lower corner and affix with staples

SAF flashing should be cut wider than the RO by 2x (2 times) the dimension of the flashing product used. I.E. if 12" wide material is used, cut material 24" longer than RO Width. If 9" wide material is used, cut material 18" longer than RO Width. Hold the SAF material 4 inches over the lower edge of the framing sill. Stick the SAF material to the vertical wall on each side of the RO. The material will be higher than the framing sill by 4". Cut the SAF material vertically on each side of the RO so that it may be folded downwards and layered upon the framing sill. Use a J-Roller and roll the SAF material across all surfaces to ensure complete adhesion and flatten any wrinkles.

STEP 4

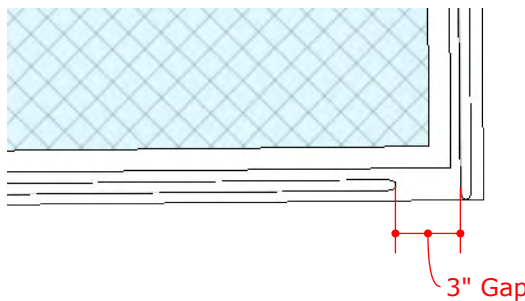
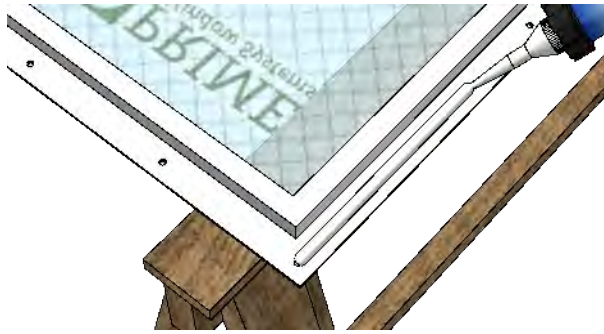
Membrane Pan Step 2 -End Dams



Cut 2 square pieces of SAF membrane material and apply the at each lower corner. Lay end dams upon the horizontal surface first, covering the flashing corner, then up the side trimmer of the RO. The material should extend outwards from the RO.
Cut the lower edge of the material across the framing sill edge and swing the SAF out to the side of the vertical wall. J-roll the material flat. See drawing for additional detail.
Ensure the SAF material at lower corners is tight at the inside corners.

STEP 5

Sealant



Apply 3/8" to 1/2" tubular shaped bead of sealant to the rear of the nail fins on the center line of all the pre-punched holes all around the nail fin of the window, but leave 3 to 4 inch gaps at each side of lower nail fin and under all vertical mulls.

STEP 6

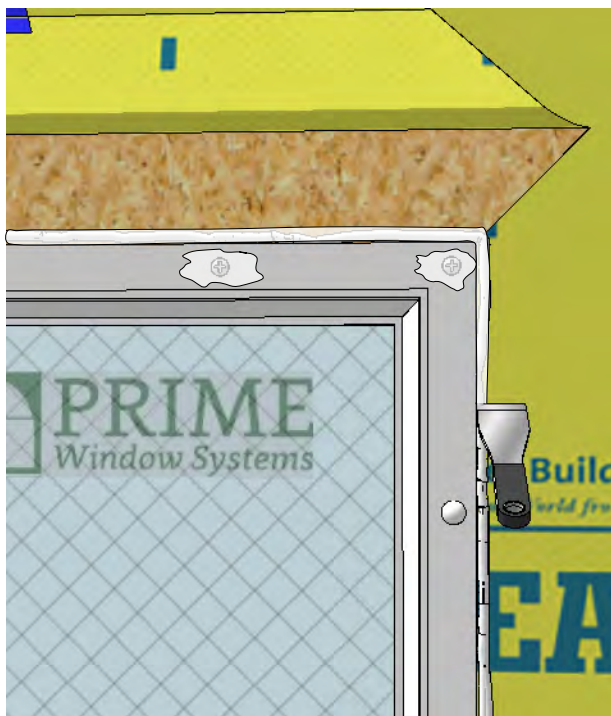
Install Window



Set the window into the RO. After checking reveals, secure lower corners with 1 5/8" min. exterior grade pan head screws. Verify window is plumb then install screws at both upper corners.
Install screws at 6"-9" OC around the perimeter of the window. Avoid screws at the sections of the lower nail fin that do not have sealant.
Squeezeout should exist around the perimeter of the window as well as ooze through all pre-punched holes.

STEP 7

Sealant Buttered Flat



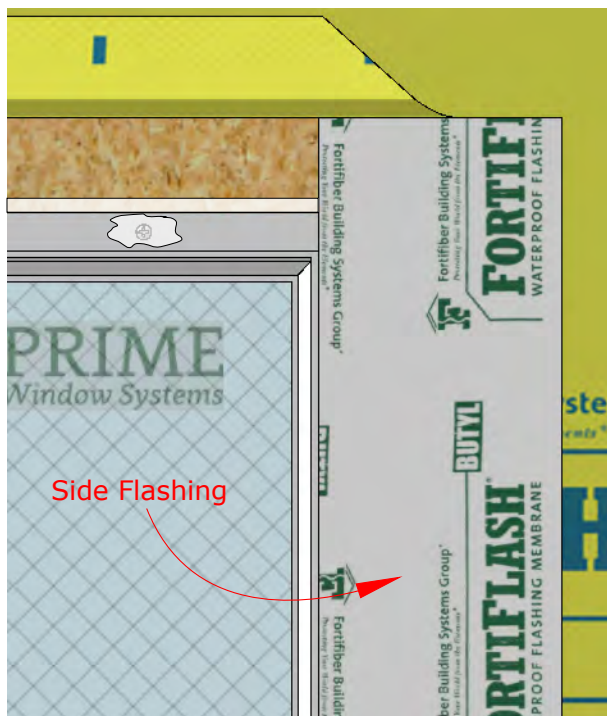
Tool the excess sealant squeeze-out flat before applying the side flashing.

Do not allow the sealant to harden before tooling it flat or the SAF will not lay correctly upon it.

Ensure sealant covers any small cracks and all pre-punched holes in the nail fins.

STEP 8

Side Flashings



Cut the side flashing 1" shorter in height than the dimension of the RO + 2x the dimension of your flashing products. This will allow the side flashing to be 1/2" short of the top and bottom flashing material.
Apply SAF flashing on top of the side nail fins.
Get the side flashing as close to the window frame as possible.
Eliminate all wrinkles and ensure adhesion with a J-Roller

STEP 9

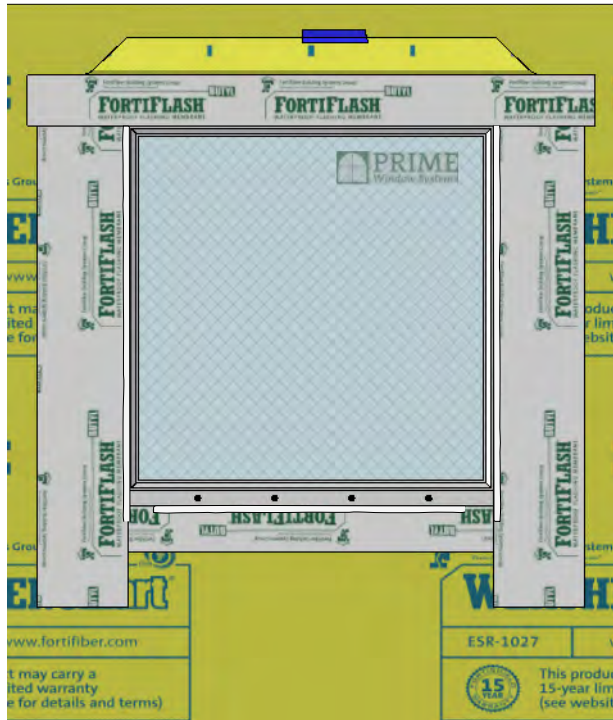
Sealant



Install a 1/4" wide tubular shaped cap bead of sealant at the edge of the flashing product, against the window frame and tool flat.

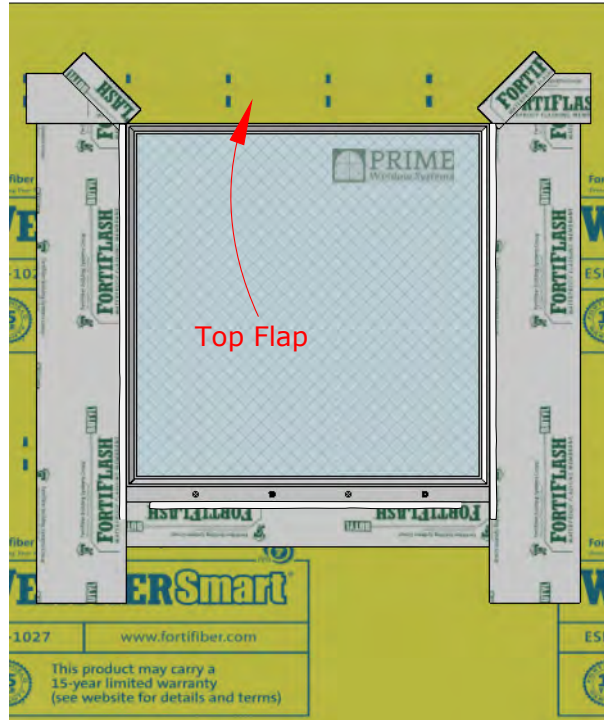
STEP 10

Top SAF Flashing



STEP 11

Top Flap



STEP 12

Terminate the Pan with Interior Sealant



Cut top Flashing the width of the RO + 2x the dimension of the flashing plus 2". This will allow the flashing to extend 1" beyond the side flashing on each side.

Apply top flashing and J-roll all SAF flat

Lower the top flap of house wrap and tape the seams with your SAF flashing product.

Apply a bead of sealant across the width of the lower inside edge of the window frame and 6"-8" up each side.

Tool into place.

Date: August 2020



Nail fin window installation.

AAMA method A1 for use with a house wrap product such as Tyvek or Weathersmart or equal.

This method uses SAF (Self Adhered Flashing, AKA Peel and Stick) and flashing corners to create membrane pans under windows.

Required materials:

- SAF Butyl membrane product either 9" or 12" wide. (FortiFlash Butyl or pre-approved equal).
- Lightning Flash flashing corners. Moistop **RIGID** Corner Shield and Corner Flash GS 100 A are an acceptable alternates.
- Moistop Sealant or pre-approved equal 1 5/8" pan head screws Screw Gun J-Roller
- Notes: **Regarding sealant-** Do not use a generic silicone product or any acrylic based siliconized products to install windows. Dow Corning 795 or GE silpruf 2000 are acceptable silicone alternates.
- If your house wrap manufacturer has flashing products they may require their use to receive the best warranty; we encourage you to use them.

Steps:

1. **After the house wrap product has been applied, ensure the Rough (RO) opening** is 1/2" greater in width and height than the net frame size of the window. Ensure RO is level, square and plumb. If the house wrap product has not been cut to expose the RO, cut the house wrap product according to the manufacturer's requirements. Pull house wrap in at the sides, cut flush at the bottom and pull upwards at the top and secure with tape, or per manufacturers recommendations.
2. **Flashing corners:** Apply sealant in each of the 2 lower corners. Press 2 pre-made Lightning Flash flashing corners (or approved equal) into each lower corner and affix with staples
3. **Bottom flashing, Membrane Pan step 1:** SAF flashing should be cut wider than the RO by 2x (2 times) the dimension of the flashing product used. I.E. if 12" wide material is used, cut material 24" longer than RO Width. If 9" wide material is used, cut material 18" longer than RO Width. Hold the SAF material 4 inches over the lower edge of the framing sill. Stick the SAF material to the vertical wall on each side of the RO. The material will be higher than the framing sill by 4". Cut the SAF material vertically on each side of the RO so that it may be folded downwards and layered upon the framing sill. Use a J-Roller and roll the SAF material across all surfaces to ensure complete adhesion and flatten any wrinkles.
4. **Membrane Pan step 2:** Apply end dams: Cut 2 square pieces of SAF membrane material and apply the at each lower corner. Lay end dams upon the horizontal surface first, covering the flashing corner, then up the side trimmer of the RO. The material should extend outwards from the RO. Cut the lower edge of the material across the framing sill edge and swing the SAF out to the side of the vertical wall. J-roll the material flat. See drawing for additional detail. Ensure the SAF material at lower corners is tight at the inside corners.
5. **Install window:** Apply 3/8"-1/2" tubular shaped bead of sealant to the rear of the nail fins on the center line of all the pre-punched holes on both sides and the top nail fin. On the lower nail fin, leave 3-4 inch gaps at each side and under all vertical mulls. Set the window into the RO. After checking reveals, secure lower corners with 2" exterior grade pan head screws. Verify window is plumb then install screws at both upper corners. Install screws at 6"-9" OC around the perimeter of the window. Avoid screws at the sections of the lower nail fin that do not have sealant. Squeezeout should exist around the perimeter of the window as well as ooze through all pre-punched holes. **Tool this sealant flat before applying the side flashing. Ensure sealant covers any small cracks and all pre-punched holes in the nail fins.**
6. **Apply side flashing:** Cut the side flashing 1" shorter in height than the dimension of the RO + 2x the dimension of your flashing products. This will allow the side flashing to be 1/2" short of the top and bottom flashing material. Apply SAF flashing on top of the side nail fins. Get the side flashing as close to the window frame as possible. Eliminate all wrinkles and ensure adhesion with a J-Roller.
7. **Install a 1/4" wide tubular shaped cap bead of sealant** at the edge of the flashing product, against the window frame and tool flat.
8. **Install top SAF Flashing:** Cut top Flashing the width of the RO + 2x the dimension of the flashing plus 2". This will allow the flashing to extend 1" beyond the side flashing on each side. Apply top flashing and J-roll all SAF flat.
9. **Lower the top flap** of house wrap and tape the seams with your SAF flashing product.
10. **Install interior sealant:** Apply a bead of sealant across the width of the lower inside edge of the window frame and 6" up each side. Tool into place.

