



DuPont™ Tyvek®  
Fluid Applied WB

DuPont™ Tyvek® Fluid Applied  
Flashing and Joint Compound

# DuPont™ Tyvek® Fluid Applied Flashing - Commercial Installation Guidelines

METHODS FOR SUPERIOR PROTECTION  
AGAINST AIR AND WATER INTRUSION



**Tyvek.**

FLUID APPLIED WB

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## Applicable Products

### DuPont™ Tyvek® Fluid Applied Products

PRODUCT	QUANTITY	COVERAGE*
DuPont™ Tyvek® Fluid Applied WB	5 gal, 50 gal	56 – 64 sf/gal
DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound	10.3 oz, 28 oz, 3.5 gal	50 – 55 sf/gal
DuPont™ Tyvek® Fluid Applied Flashing - Brush Formulation	10.3 oz, 28 oz, 3.5 gal	50 – 55 sf/gal
DuPont™ Sealant for Tyvek® Fluid Applied System	10.3 oz, 28 oz	NA

\* Estimated surface coverage at 25 mils thick.

### Self-Adhered Flashing Products

PRODUCT	DIMENSIONS	AREA
DuPont™ FlexWrap™ NF	6 in x 75 ft	37.50 sq ft
	9 in x 75 ft	56.20 sq ft
DuPont™ StraightFlash™	4 in x 150 ft	50 sq ft
	9 in x 125 ft	93.75 sq ft
DuPont™ Thru-Wall Flashing	12 in x 75 ft	75 sq ft
	18 in x 75 ft	112.5 sq ft
	24 in x 75 ft	150 sq ft
	36 in x 75 ft	225 sq ft

### Accessories

PRODUCT	TYPE	PER BOX
DuPont™ End Dams	4"	50 (25 left/25 right)
DuPont™ End Dams	6"	50 (25 left/25 right)
DuPont™ Corners	Inside	25
DuPont™ Corners	Outside	25

## DuPont Recommended Primers\* (for self-adhered flashing)

MANUFACTURER	PRODUCT NAME
3M	Hi-Strength 90**
Denso	Butyl Primer (spray or can)
Henkel	SIA 655
Henkel	Permagrip® 105™

\* Apply per manufacturers' guidelines. DuPont assumes no liability in use of recommended products; installers need to evaluate suitability of recommended products in their end-use applications.

\*\*3M Hi-Strength 90 is recommended to be used with DuPont™ Tyvek® Fluid Applied products.

## DuPont Recommended Fasteners\*

MANUFACTURER	PRODUCT NAME
DuPont	DuPont™ Tyvek® Wrap Cap screws

\* Apply per manufacturers' guidelines.

## Necessary Materials

- DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound
- DuPont™ Thru-Wall Flashing
- DuPont™ Corners (Inside and Outside)
- DuPont™ End Dams
- DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF
- DuPont™ Tyvek® Wrap Cap screws

## Recommended Materials

- 6" Trowel
- Corner Trowel
- Citrus Based Cleaner or Mineral Spirits
- DuPont Recommended Primer
- Backer Rod
- Brushes for Surface Preparation
- J-Roller

## Warranty

If interested in reviewing warranty coverage, please see DuPont™ Tyvek® Fluid Applied products 10 Year limited warranty at [www.Weatherization.Tyvek.com](http://www.Weatherization.Tyvek.com).

## General Instructions

DuPont™ Fluid Applied Flashing products should be installed around the rough openings of windows and doors, and properly integrated with the buildings weather barrier.

Substrates must be free from any materials that could negatively affect the adhesion of DuPont™ Tyvek® Fluid Applied products, DuPont Self-Adhered Flashing products, and DuPont™ Thru-Wall Flashing. Remove any frost, oil, grease, mold, dust, dirt and efflorescence from the surface before applying products.

Tyvek® Fluid Applied Flashing products should be applied from the head of the window down. When trowel applying, a corner trowel can be used to smooth corners. When applying directly to cut edges of exterior gypsum sheathing, the edge should first be primed using a DuPont approved primer.

For commercial applications, Tyvek® Fluid Applied Flashing products should be applied at 25 mils thick. Upon completion of installation, inspect surfaces to ensure that Fluid Applied products are continuous and free of any voids or pinholes.

Uncured Fluid Applied product can be cleaned off tools using mineral spirits or citrus based cleaners.

When applying DuPont self-adhered flashing products, remove all wrinkles and bubbles by smoothing surface and repositioning as necessary. Apply pressure along entire surface for a good bond using a J-roller or firm hand pressure. When flashing the sill area for windows and doors, DuPont recommends the use of 6" wide DuPont™ FlexWrap™ NF for 2"x 4" framing and 9" wide DuPont™ FlexWrap™ NF for 2" x 6" framing. Door and window rough sill framing must be level or slightly sloped to the exterior to ensure proper drainage to the exterior. Do not stretch DuPont™ FlexWrap™ NF when installing along sills or jambs. DuPont™ FlexWrap™ NF is only intended to be stretched when covering corners or curved sections.

When rigid back dams are required or desired, an option would be to use a ¾" corner guard (back dam) cut to the length of the sill and fastened into place on the interior edge of the sill prior to installation of flashing.

An alternate method for a rigid back dam would be to embed a 1" x 1" "L" shaped aluminum channel into sealant on the interior sill of the window after the window has been installed. Place a bead of sealant along the base of window. While the sealant is still wet, cut back dam to the width of the rough opening and press the back dam into the wet sealant. Fasten the back dam to the window and the rough opening using mechanical fasteners. Apply sealant along all 4 sides of the exposed back dam.

### Special Considerations

1. Suitable substrates include concrete masonry unit (CMU), concrete, exterior gypsum, OSB, plywood, wood, treated wood and metal.
2. Tyvek® Fluid Applied products can be applied to damp surfaces. A surface is considered damp if there is no visible water on the surface and no transfer of water to the skin when touched.
3. Tyvek® Fluid Applied products are designed for above grade application and should not be installed below grade.
4. Tyvek® Fluid Applied products should be applied when air and surface temperatures are between 25°F – 100°F.
5. Skin time of fluid applied product is 1-2 hrs. at 70°F and 50% RH. Wait 24 hrs. between coats of fluid applied product and before applying facade.
6. Unopened fluid applied product should be stored at temperatures between 50°F – 80°F.
7. Opened pails of fluid applied product should be covered with plastic to slow cure rate.
8. DuPont requires that fluid applied product be covered within 9 months of installation.
9. DuPont self-adhered flashing products perform best when air and surface temperatures are above 25°F (-4°C).
10. A recommended primer is required when applying DuPont Self-Adhered Flashing products on concrete, masonry, and fiber faced exterior gypsum board substrates. Priming is generally not required for adhering DuPont Self-Adhered Flashing products to wood. However, adverse weather conditions or colder temperatures may require a primer to promote adhesion. Priming is not required when applying DuPont™ Tyvek® Fluid Applied products, except when applying onto cut edges of exterior gypsum sheathing.
11. DuPont™ Thru-Wall Flashing should be protected from any physical damage at the job site.
12. DuPont™ Thru-Wall Flashings optimum storage temperature is 50°F to 90°F. Freeze-thaw durable. Storage temperatures should not exceed 120°F.
13. Thru-Wall Flashing can be applied with an air and surface temperature of 32°F or higher.
14. Thru-Wall Flashing should not be applied to moist or damp surfaces.
15. DuPont™ Corners and DuPont™ End Dams are recommended as a best practice to be used with DuPont™ Thru-Wall Flashing. Alternate suppliers of corners and end dams can be used if they meet the design and performance intent of the building.

For additional guidance, please call 1-800-44-Tyvek (800-448-9835), visit our website at [www.Weatherization.Tyvek.com](http://www.Weatherization.Tyvek.com), or consult your local DuPont™ Tyvek® Specialist.

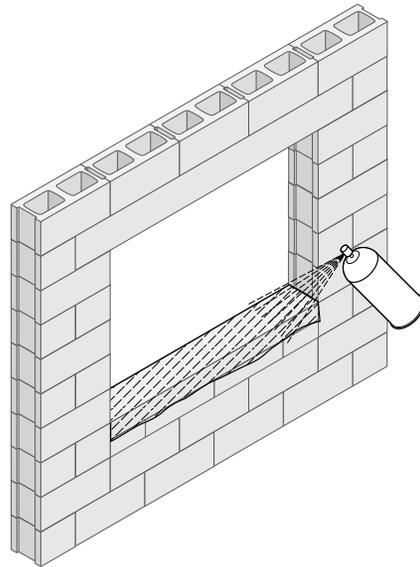
## Storefront Window (Method 1: Liquid Applied Flashing with Fluid Applied Weather Barrier)

### STEP 1

Clean substrate of any material that could negatively affect adhesion as well as any sharp protrusions.

Apply DuPont recommended primer onto the sill and approximately 3" onto the face of the wall.

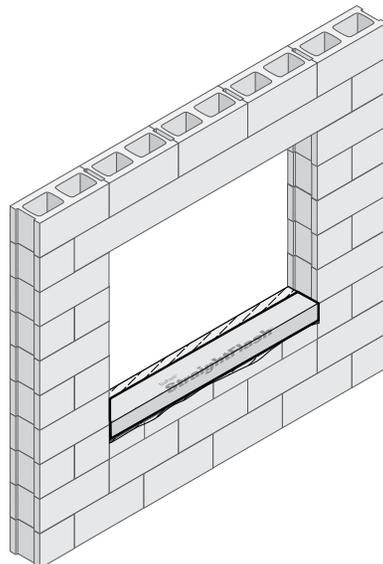
Note: If applying to gypsum sheathing, the cut edge of the gypsum should be primed on all four sides prior to application of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound.



### STEP 2

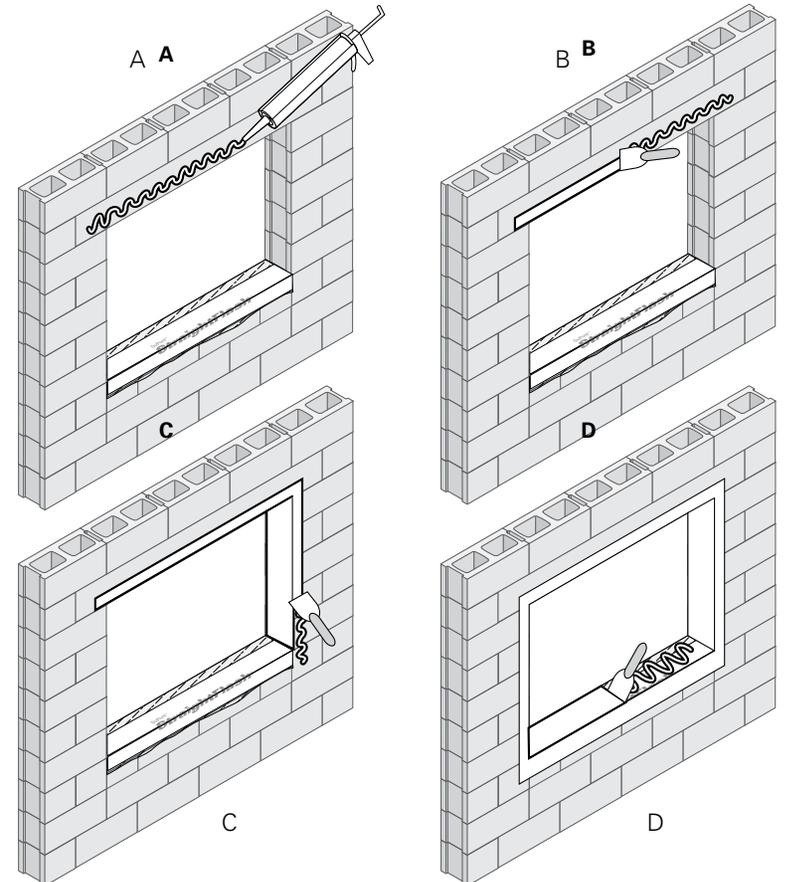
Prepare the sill flashing by cutting a piece of DuPont™ StraightFlash™ that is equal to the sill length.

Install the sill flashing. Remove release paper and position StraightFlash™ so that 2" will extend onto the face of the wall. Wrap flashing into the rough opening at sill and onto the face of the wall.



### STEP 3

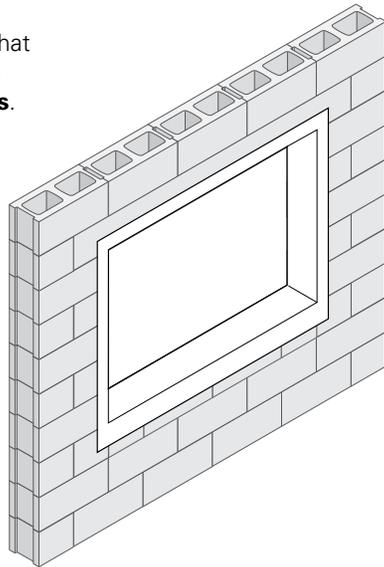
Starting at the window head, apply a bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound onto the inside and the face of the rough opening. Use a trowel to smooth out flashing to a thickness of approximately 25 mils. The flashing should cover the inside of the rough opening and extend a minimum of 2" onto the face of the wall. Continue the application process outlined above for the jambs and then the sill. The fluid applied flashing should be applied on top of the StraightFlash™ on the sill. Be sure all inside corners are filled and integrated with flashing. A corner trowel may be used to smooth outside corners.



## Storefront Window (Method 1: Liquid Applied Flashing with Fluid Applied Weather Barrier)

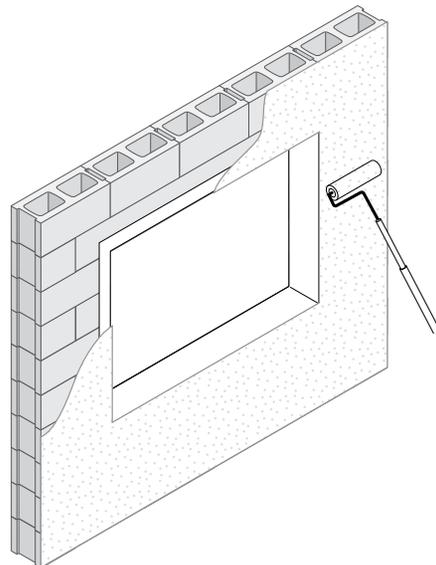
### STEP 4

Upon completion, inspect surface to ensure that Fluid Applied Flashing and Joint Compound is continuous and **free of any voids or pinholes**. Let flashing cure for 24 hours before coating with DuPont™ Tyvek® Fluid Applied WB.



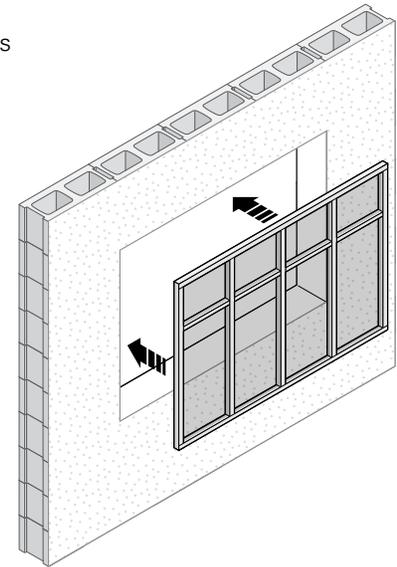
### STEP 5

Install Tyvek® Fluid Applied WB up to the edge of the rough opening overlapping the Fluid Applied Flashing and Joint Compound. Refer to the current Tyvek® Fluid Applied WB – Commercial Installation Guidelines for application instructions.



### STEP 6

Install storefront window per manufacturer's installation instructions.

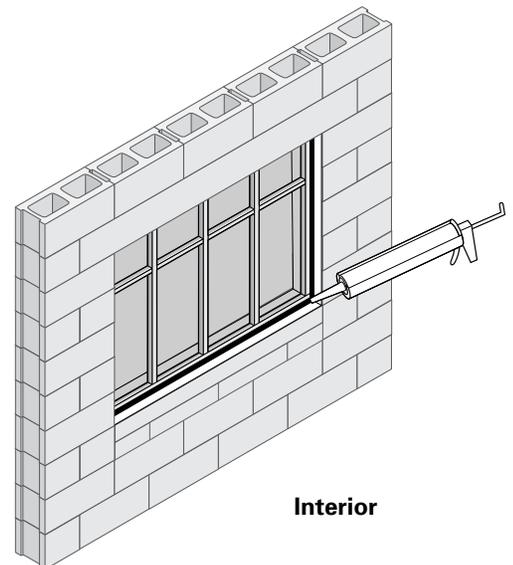


### STEP 7

Create a continuous perimeter seal between the interior of the window and the flashing using backer rod and DuPont™ Sealant for Tyvek® Fluid Applied System, or recommended sealant, along all four sides of the window.

When the facade is complete, place a continuous sealant bead integrating the window to the facade.

Note: Refer to the Storefront Window CAD details at [www.Weatherization.Tyvek.com](http://www.Weatherization.Tyvek.com) for more detailed information.



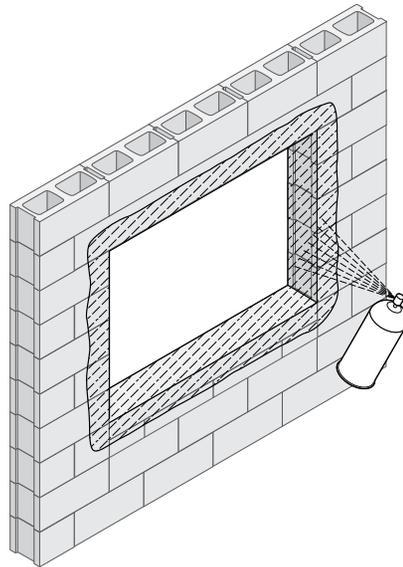
# DuPont™ Tyvek® Fluid Applied Flashing - Commercial Installation Guidelines

## Storefront Window (Method 2: Self-Adhered Flashing with Fluid Applied Weather Barrier)

### STEP 1

Clean substrate of any material that could negatively affect adhesion as well as any sharp protrusions.

Apply DuPont recommended primer onto the inside of the rough opening and approximately 3" onto the face of the wall.

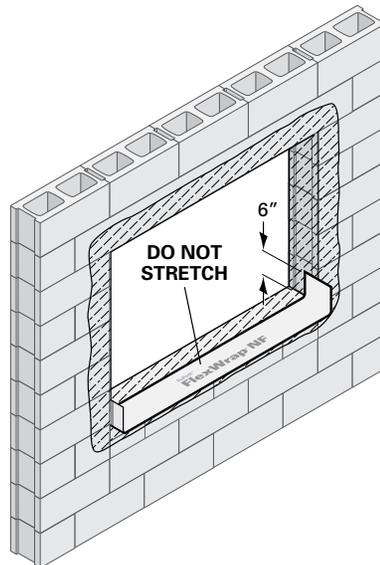
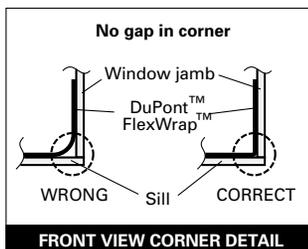


### STEP 2

Prepare the sill flashing by cutting a piece of DuPont™ FlexWrap™ NF that is at least 12" longer than the sill length.

Install the sill flashing by removing the widest strip of release paper, and aligning the flashing so that a minimum of 2" will extend onto the face of the wall. Install into rough opening across sill and up jambs (min 6"). Apply FlexWrap™ NF by working from the middle of the sill towards the sides.

Secure FlexWrap™ NF tightly into the corners by first working in along the sill before adhering up the jambs. **Do not stretch material along the sill or jambs.**

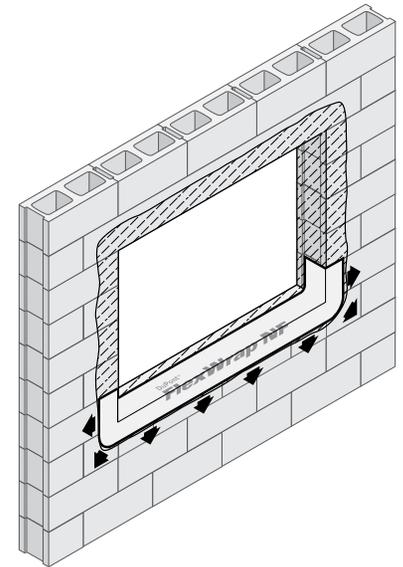


### STEP 3

Remove second half of the release paper.

Fan DuPont™ FlexWrap™ NF at bottom corners and adhere onto face of wall.

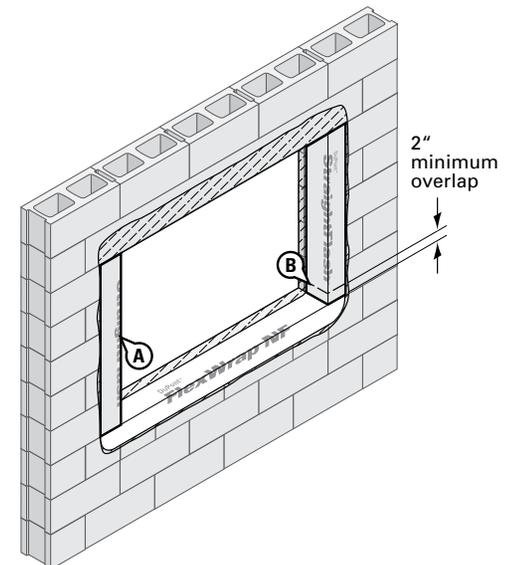
Firmly press sill flashing to ensure full adhesion on all surfaces. Eliminate wrinkles and bubbles by smoothing surface.



### STEP 4

A. Cut two pieces of 9" DuPont™ StraightFlash™ to the length of the jamb. Jamb flashing should overlap the sill flashing by at least 2" and be overlapped by future head flashing by at least 2".

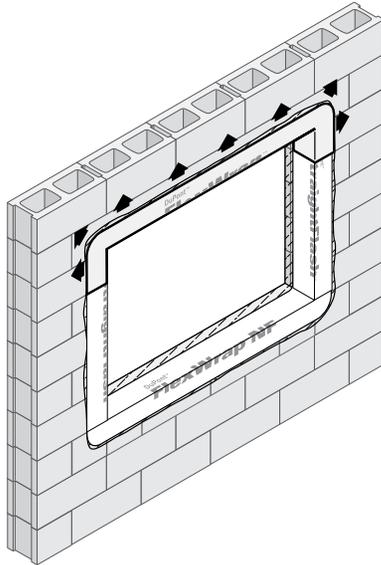
B. Remove release paper and position StraightFlash™ so that 2" will extend onto the face of the wall. Wrap jamb flashing into the rough opening at each jamb and onto wall face.



## Storefront Window (Method 2: Self-Adhered Flashing with Fluid Applied Weather Barrier)

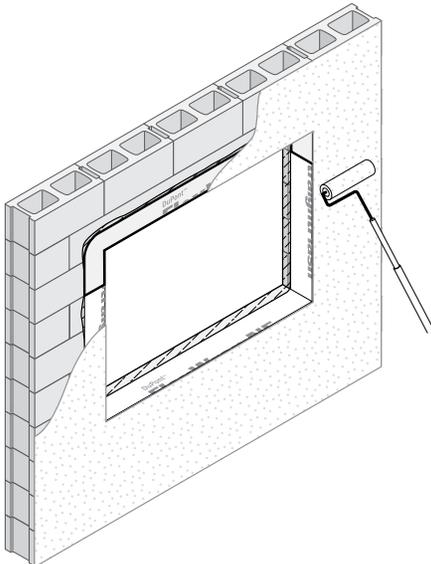
### STEP 5

Adhere DuPont™ FlexWrap™ NF to the head using the same installation process as shown in steps 2 and 3 for the sill flashing. Make sure the FlexWrap™ NF is cut long enough to overlap the jamb flashing by at least 2".



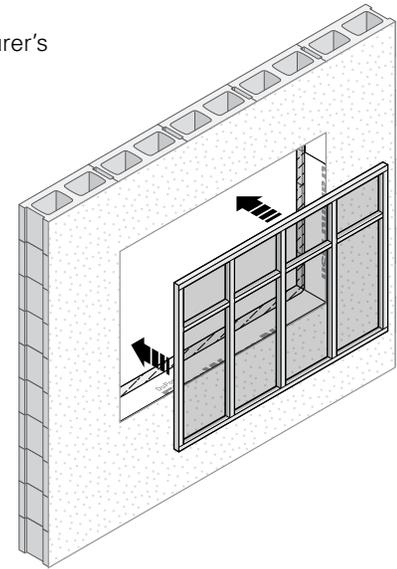
### STEP 6

Install DuPont™ Tyvek® Fluid Applied WB up to the edge of the rough opening overlapping the FlexWrap™ NF and StraightFlash™. Refer to the current Tyvek® Fluid Applied WB – Commercial Installation Guidelines for application instructions. Upon completion, inspect the flashing perimeter to ensure that it is free of any voids or pinholes.



### STEP 7

Install storefront window per manufacturer's installation instructions.

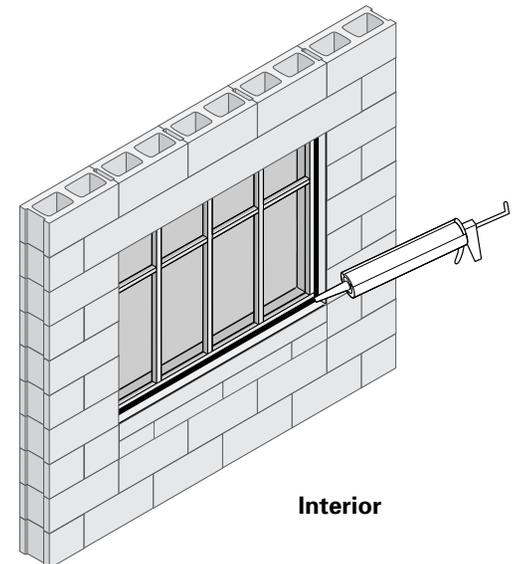


### STEP 8

Create a continuous perimeter seal between the interior of the window and the flashing using backer rod and DuPont™ Sealant for Tyvek® Fluid Applied System, or recommended sealant, along all four sides of the window.

When the facade is complete, place a continuous sealant bead integrating the window to the facade.

Note: Refer to the Storefront Window CAD details at [www.Weatherization.Tyvek.com](http://www.Weatherization.Tyvek.com) for more detailed information.



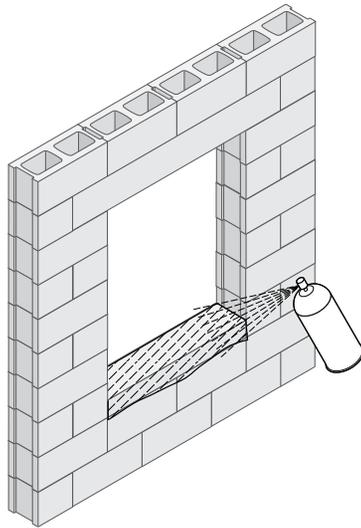
## Flanged Window (Method 1: Liquid Applied Flashing with Fluid Applied Weather Barrier)

### STEP 1

Clean substrate of any material that could negatively affect adhesion as well as any sharp protrusions.

Apply recommended primer onto the sill and approximately 3" onto the face of the wall.

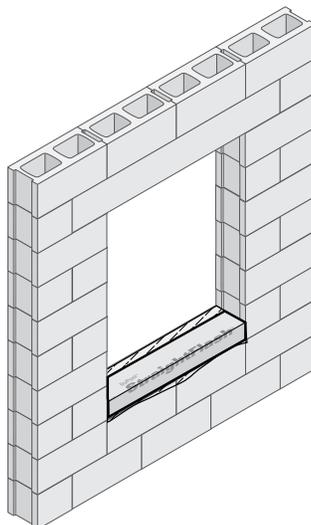
Note: If applying to gypsum sheathing, the cut edge of the gypsum should be primed on all four sides prior to application of DuPont™ Tyvek™ Fluid Applied Flashing and Joint Compound.



### STEP 2

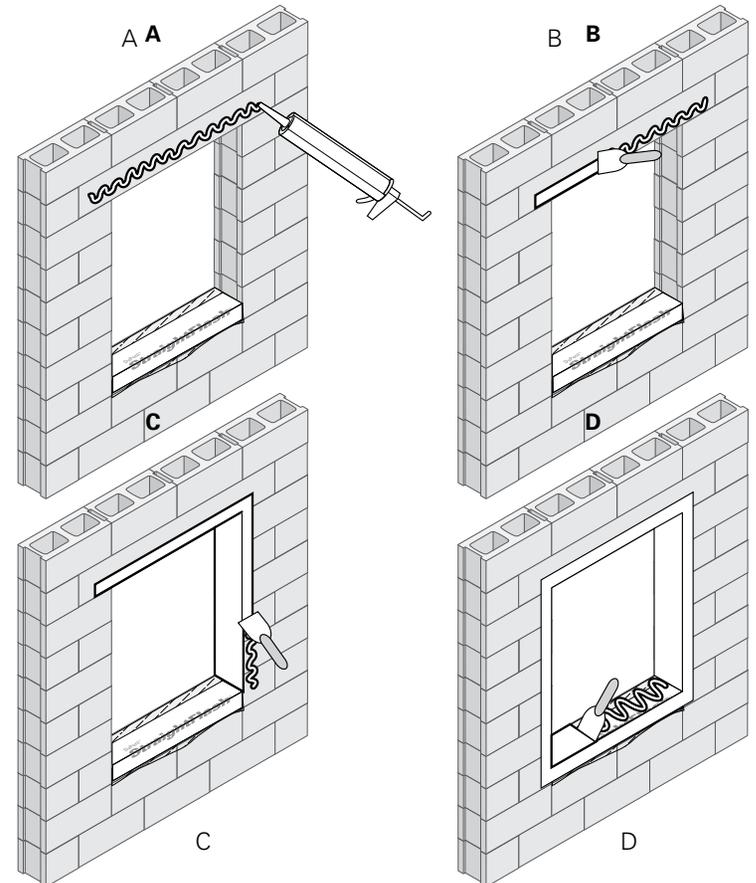
Prepare the sill flashing by cutting a piece of DuPont™ StraightFlash™ that is equal to the sill length.

Install the sill flashing. Remove release paper and position StraightFlash™ so that 2" will extend onto the face of the wall. Wrap flashing into the rough opening at sill and onto the face of the wall.



### STEP 3

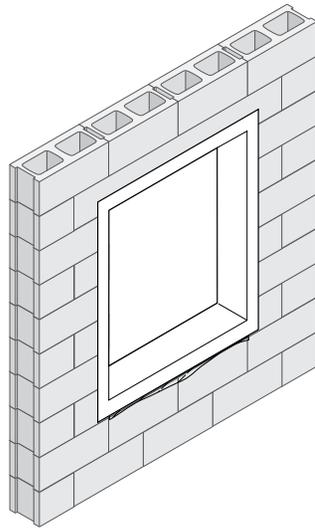
Starting at the window head, apply a bead of DuPont™ Tyvek™ Fluid Applied Flashing and Joint Compound onto the inside and the face of the rough opening. Use a trowel to smooth out flashing to a thickness of approximately 25 mils. The flashing should cover the inside of the rough opening and extend a minimum of 2" onto the face of the wall. Continue the application process outlined above for the jambs and then the sill. The fluid applied flashing should be applied on top of the DuPont™ StraightFlash™ on the sill. Be sure all inside corners are filled and integrated with flashing. A corner trowel may be used to smooth outside corners.



## Flanged Window (Method 1: Liquid Applied Flashing with Fluid Applied Weather Barrier)

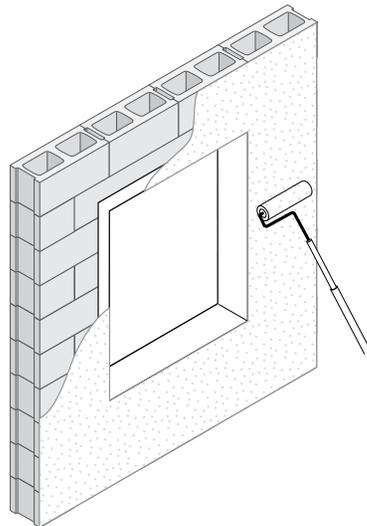
### STEP 4

Upon completion, inspect surface to ensure that Tyvek® Fluid Applied Flashing and Joint Compound is continuous and **free of any voids or pinholes**. Let flashing cure for 24 hours before coating with DuPont™ Tyvek® Fluid Applied WB.



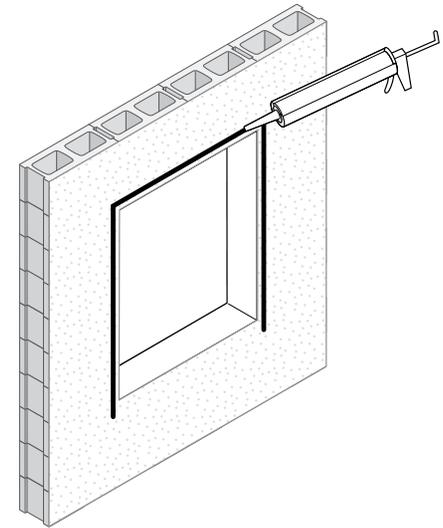
### STEP 5

Install Tyvek® Fluid Applied WB up to the edge of the rough opening overlapping the Fluid Applied Flashing and Joint Compound. Refer to the current Tyvek® Fluid Applied WB – Commercial Installation Guidelines for application instructions.



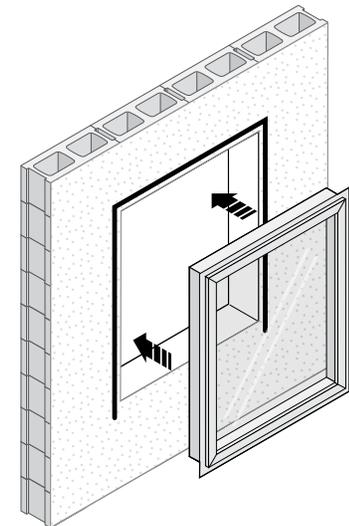
### STEP 6

After DuPont™ Tyvek® Fluid Applied WB has cured for 24 hrs. apply a continuous bead of DuPont™ Sealant for Tyvek® Fluid Applied System, or recommended sealant, at the window head and jambs to wall or back side of window mounting flange. **Do not apply sealant across bottom sill flange.**



### STEP 7

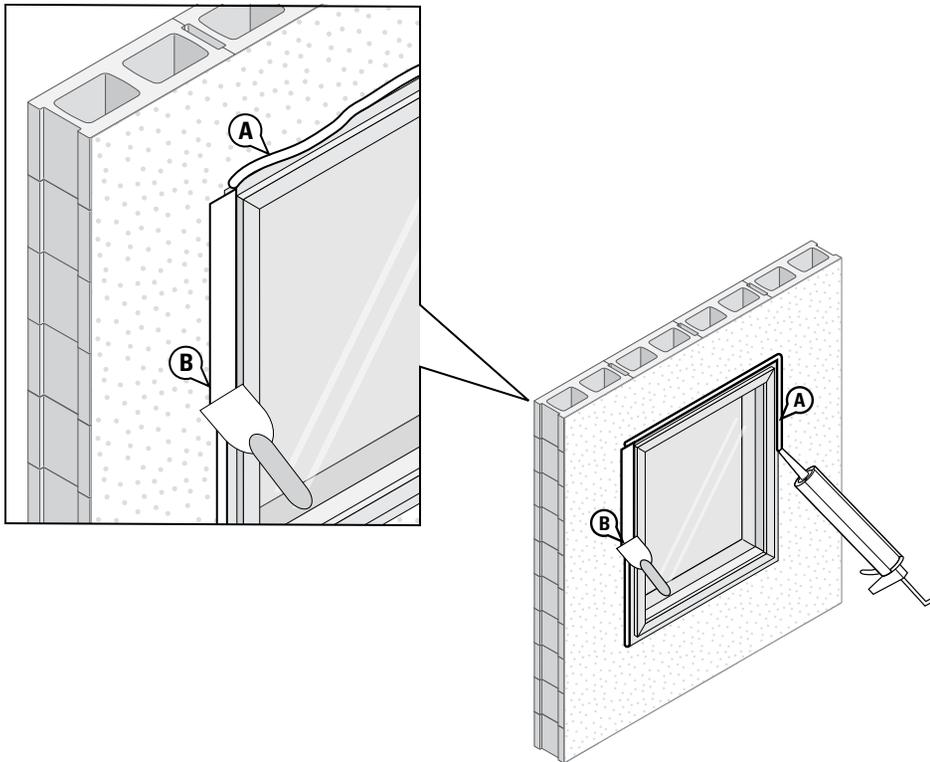
Install flanged window per manufacturer's installation instructions. Use spacers between the bottom window flange and the flashing to allow for drainage.



## Flanged Window (Method 1: Liquid Applied Flashing with Fluid Applied Weather Barrier)

### STEP 8

- A. Apply a continuous bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound along the interface between the window flange and the wall on the jambs and head of the window.
- B. Use a trowel to smooth flashing to approximately 2" wide x 60 mils thick. Be sure that the flashing extends 1" on either side of seam. Upon completion, inspect surface to ensure that Fluid Applied application is continuous and **free of any voids or pinholes**.

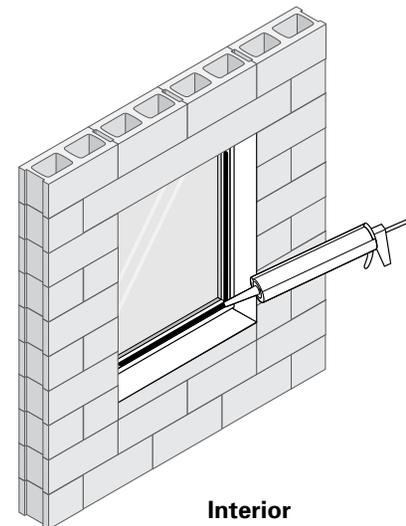


### STEP 9

Create a continuous perimeter seal between the interior of the window and the flashing using backer rod and DuPont™ Sealant for Tyvek® Fluid Applied System or an recommended sealant along all four sides of the window.

When the facade is complete, place a continuous sealant bead integrating the window to the facade.

Note: Refer to the Flanged Window CAD details at [www.Weatherization.Tyvek.com](http://www.Weatherization.Tyvek.com) for more detailed information.

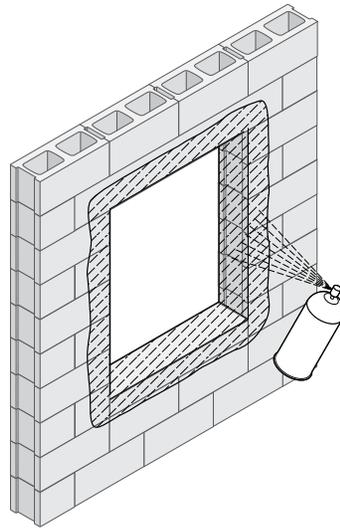


## Flanged Window (Method 2: Self-Adhered Flashing with Fluid Applied Weather Barrier)

### STEP 1

Clean substrate of any material that could negatively affect adhesion, as well as any sharp protrusions.

Apply recommended primer onto the inside of the rough opening and approximately 3" onto the face of the wall.

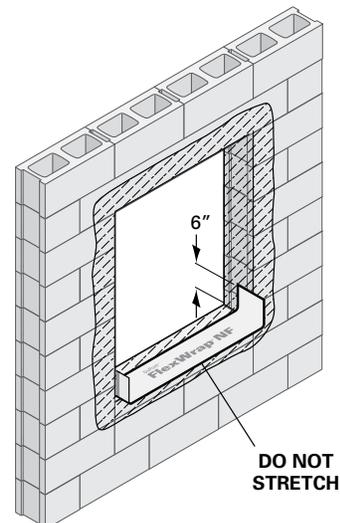
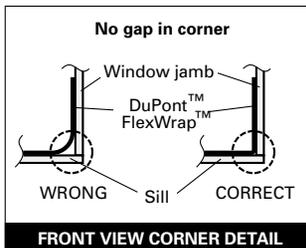


### STEP 2

Prepare the sill flashing by cutting a piece of DuPont™ FlexWrap™ NF that is at least 12" longer than the sill length.

Install the sill flashing by removing the widest strip of release paper, and aligning the flashing so that a minimum of 2" will extend onto the face of the wall. Install into rough opening across sill and up jambs (min 6"). Apply FlexWrap™ NF by working from the middle of the sill towards the sides. Secure FlexWrap™ NF tightly into the corners by first working in along the sill before adhering up the jambs.

**Do not stretch material along the sill or jambs.**

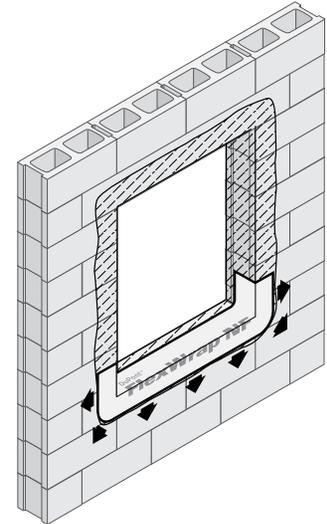


### STEP 3

Remove second half of the release paper.

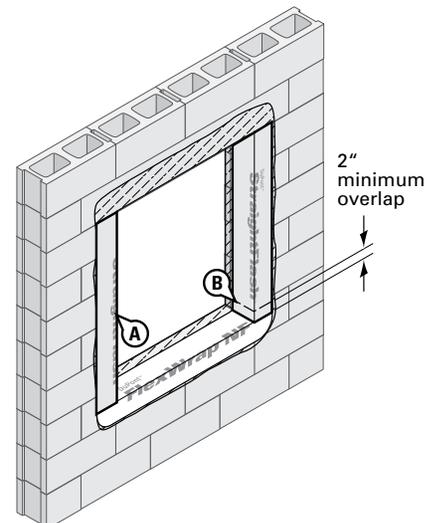
Fan FlexWrap™ NF at bottom corners and adhere onto face of wall.

Firmly press sill flashing to ensure full adhesion on all surfaces. Eliminate wrinkles and bubbles by smoothing surface.



### STEP 4

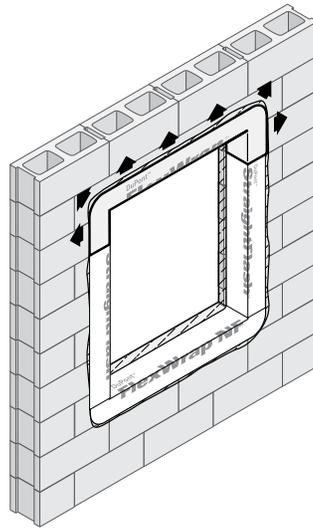
- A. Cut two pieces of 9" DuPont™ StraightFlash™ to the length of the jamb. Jamb flashing should overlap the sill flashing by at least 2" and be overlapped by future head flashing by at least 2".
- B. Remove release paper and position StraightFlash™ so that 2" will extend onto the face of the wall. Wrap jamb flashing into the rough opening at each jamb and onto wall face.



## Flanged Window (Method 2: Self-Adhered Flashing with Fluid Applied Weather Barrier)

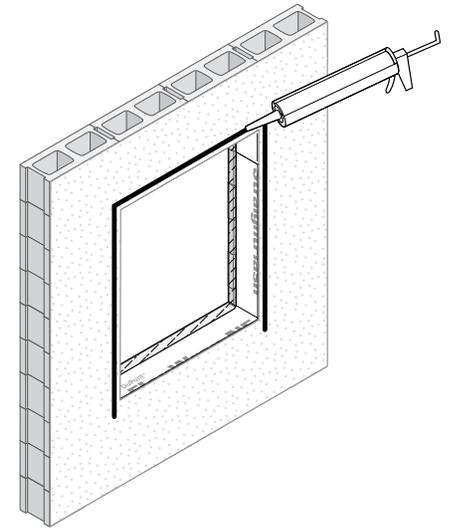
### STEP 5

Adhere DuPont™ FlexWrap™ NF to the head using the same installation process as shown in steps 2 and 3 for the sill flashing. Make sure the FlexWrap™ NF is cut long enough to overlap the jamb flashing by at least 2".



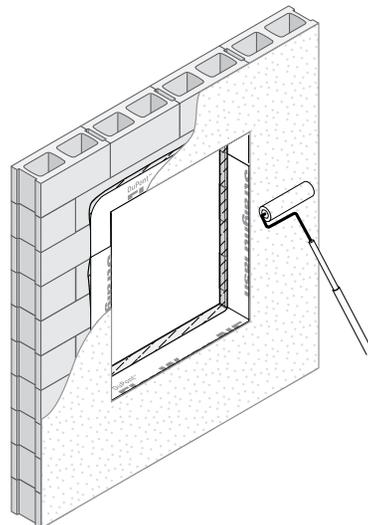
### STEP 7

After DuPont™ Tyvek® Fluid Applied WB has cured for 24 hrs. apply a continuous bead of DuPont™ Sealant for Tyvek® Fluid Applied System, or recommended sealant, at the window head and jambs to wall or back side of window mounting flange. **Do not apply sealant across bottom sill flange.**



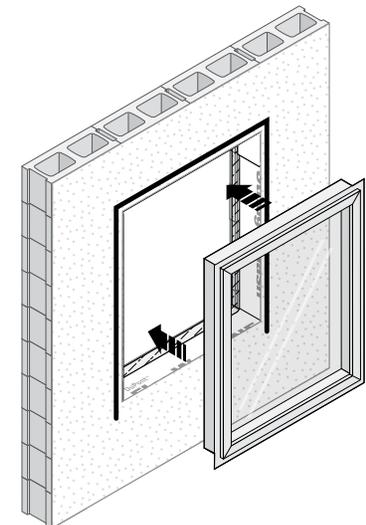
### STEP 6

Install DuPont™ Tyvek® Fluid Applied WB up to the edge of the rough opening overlapping the FlexWrap™ NF and StraightFlash™. Refer to the current Tyvek® Fluid Applied WB – Commercial Installation Guidelines for application instructions. Upon completion, inspect the flashing perimeter to ensure that it is free of any voids or pinholes.



### STEP 8

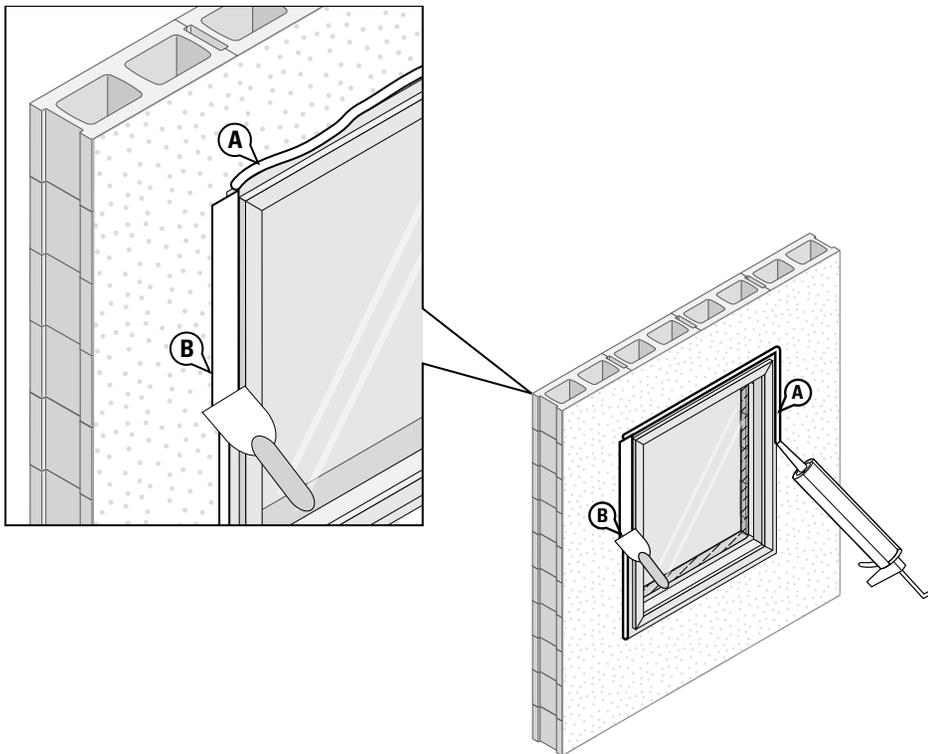
Install flanged window per manufacturer's installation instructions. Use spacers between the bottom window flange and the flashing to allow for drainage.



## Flanged Window (Method 2: Self-Adhered Flashing with Fluid Applied Weather Barrier)

### STEP 9

- A. Apply a continuous bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound along the interface between the window flange and the wall on the jambs and head of the window.
- B. Use a trowel to smooth flashing to approximately 2" wide x 60 mils thick. Be sure that the flashing extends 1" on either side of seam. Upon completion, inspect the window flange to ensure that the Fluid Applied application is continuous and free of any voids or pinholes.

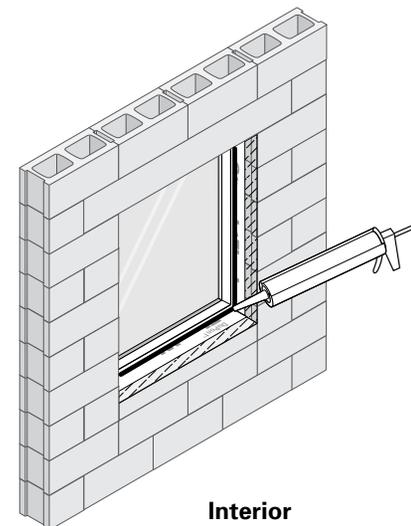


### STEP 10

Create a continuous perimeter seal between the interior of the window and the flashing using backer rod and DuPont™ Sealant for Tyvek® Fluid Applied System or recommended sealant along all four sides of the window.

When the facade is complete, place a continuous sealant bead integrating the window to the facade.

Note: Refer to the Flanged Window CAD details at [www.Weatherization.Tyvek.com](http://www.Weatherization.Tyvek.com) for more detailed information.



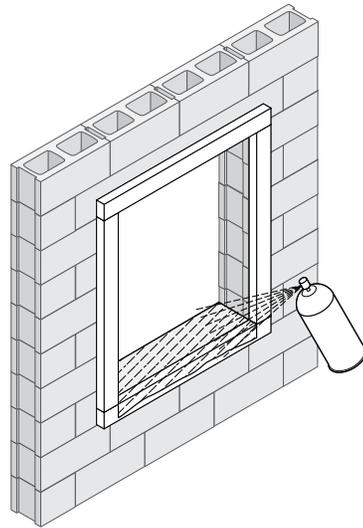
## Bump Out Window (Method 1: Liquid Applied Flashing with Fluid Applied Weather Barrier)

### STEP 1

Clean substrate of any material that could negatively affect adhesion as well as any sharp protrusions.

Apply recommended primer onto the sill and approximately 3" onto the face of the wood buck.

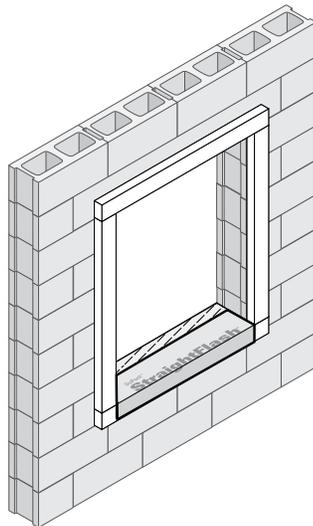
Note: If applying to gypsum sheathing, the cut edge of the gypsum should be primed on all four sides prior to application of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound.



### STEP 2

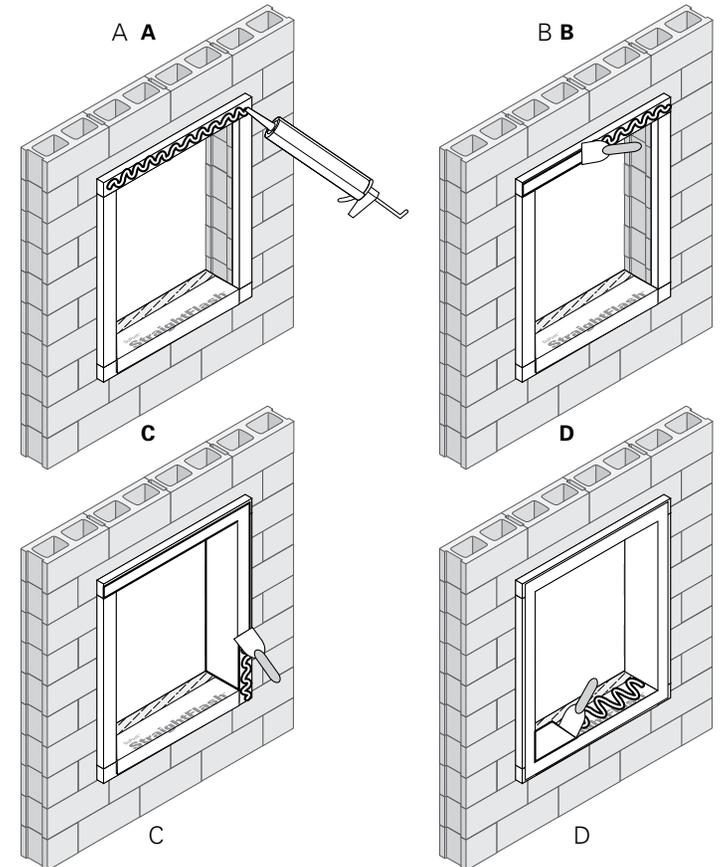
Prepare the sill flashing by cutting a piece of DuPont™ StraightFlash™ that is equal to the sill length.

Install the sill flashing. Remove release paper and position StraightFlash™ so that 2" will extend onto the face of the wood buck. Wrap flashing into the rough opening at sill and onto the face of the wood buck.



### STEP 3

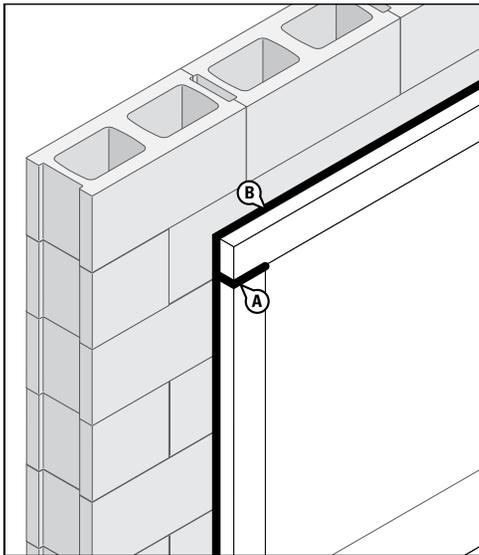
Starting at the window head, apply a bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound onto the inside and the face of the rough opening. Use a trowel to smooth out flashing to a thickness of approximately 25 mils. The flashing should cover the inside of the rough opening and extend a minimum of 2" onto the face of the wall. Continue the application process outlined above for the jambs and then the sill. The fluid applied flashing should be applied on top of the DuPont™ StraightFlash™ on the sill. Be sure all inside corners are filled and integrated with flashing. A corner trowel may be used to smooth outside corners.



## Bump Out Window (Method 1: Liquid Applied Flashing with Fluid Applied Weather Barrier)

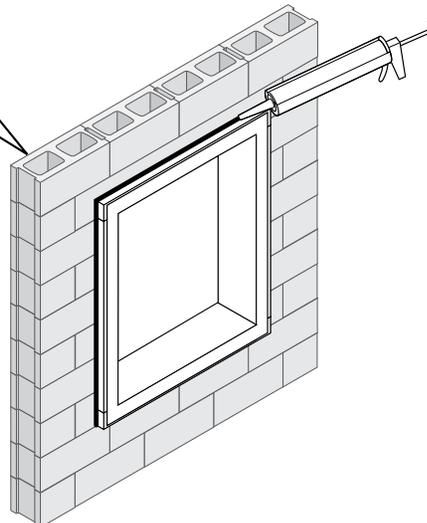
### STEP 4

A. Apply a bead of Tyvek® Fluid Applied Flashing and Joint Compound or DuPont™ Sealant for Tyvek® Fluid Applied System to all the seams, and fill any holes or cracks in the bump out framing.



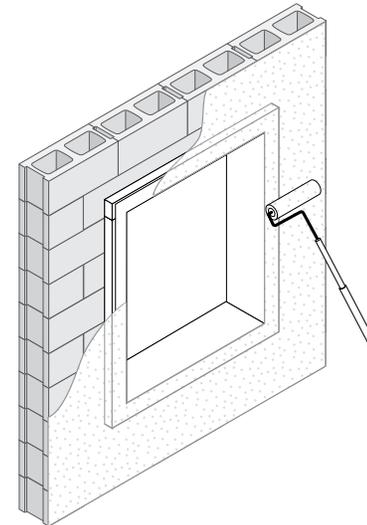
B. Apply a fillet bead of Tyvek® Fluid Applied Flashing and Joint Compound or Sealant for Tyvek® Fluid Applied System around the perimeter of the wood buck, at the wood buck / wall interface. The fillet bead should extend approximately 1/2" onto both surfaces.

Note: Let joint compound and sealant cure for 24 hours before coating with DuPont™ Tyvek® Fluid Applied WB.



### STEP 5

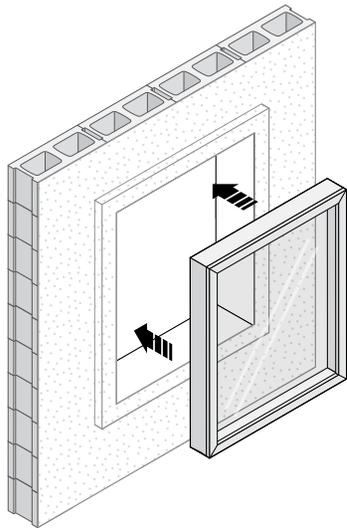
Install DuPont™ Tyvek® Fluid Applied WB onto wall and wood buck. Refer to the current Fluid Applied WB - Commercial Installation Guidelines for application instructions. Coat wood buck up to the window opening edge. Pay special attention when applying to the wood buck. Be sure that wood is fully covered with 25 mils of material. Upon completion, inspect all surfaces to ensure that the Fluid Applied application is continuous and **free of any voids or pinholes**.



**Bump Out Window (Method 1: Liquid Applied Flashing with Fluid Applied Weather Barrier)**

**STEP 6**

Install window per manufacturer's installation instructions.

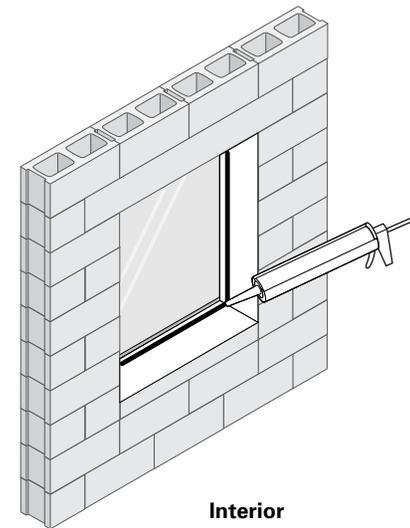


**STEP 7**

Create a continuous perimeter seal between the interior of the window and the flashing using backer rod and DuPont™ Sealant for Tyvek® Fluid Applied System, or recommended sealant, along all four sides of the window.

When the facade is complete, place a continuous sealant bead, integrating the window to the facade.

Note: Refer to the Bump Out Window CAD details at [www.Weatherization.Tyvek.com](http://www.Weatherization.Tyvek.com) for more detailed information.



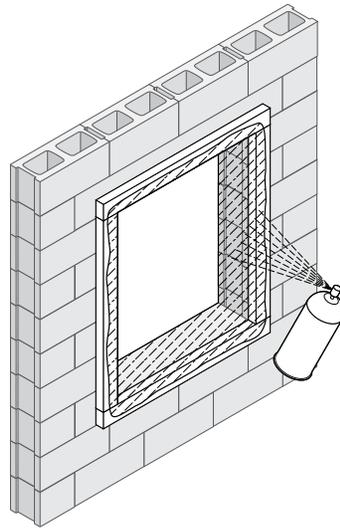
# DuPont™ Tyvek® Fluid Applied Flashing - Commercial Installation Guidelines

## Bump Out Window (Method 2: Self-Adhered Flashing with Fluid Applied Weather Barrier)

### STEP 1

Clean substrate of any material that could negatively affect adhesion as well as any sharp protrusions.

Apply recommended primer onto the inside of the rough opening and approximately 3" onto the face of the wood buck.

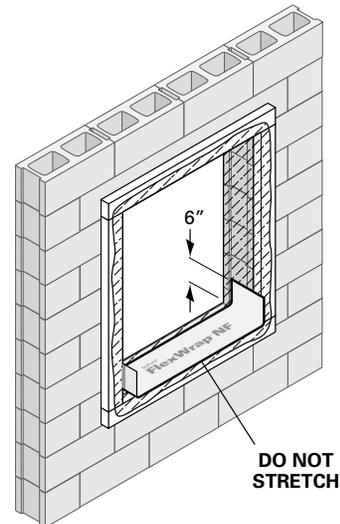
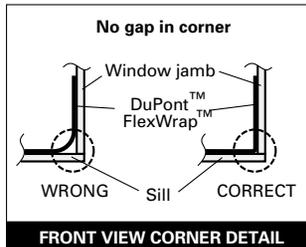


### STEP 2

Prepare the sill flashing by cutting a piece of DuPont™ FlexWrap™ NF that is at least 12" longer than the sill length.

Install the sill flashing by removing the widest strip of release paper, and aligning the flashing so that a minimum of 2" will extend onto the face of the wall. Install into rough opening across sill and up jambs (min 6"). Apply FlexWrap™ NF by working from the middle of the sill towards the sides. Secure FlexWrap™ NF tightly into the corners by first working in along the sill before adhering up the jambs.

**Do not stretch material along the sill or jambs.**

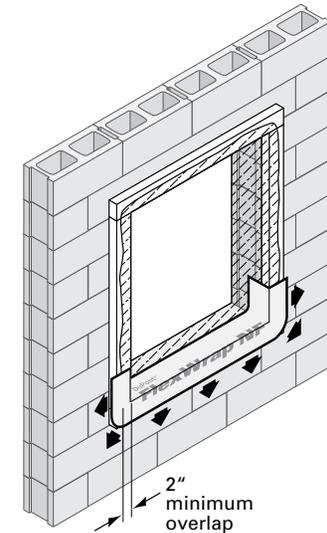


### STEP 3

Remove second half of the release paper.

Fan FlexWrap™ NF at bottom corners and adhere onto face of wall.

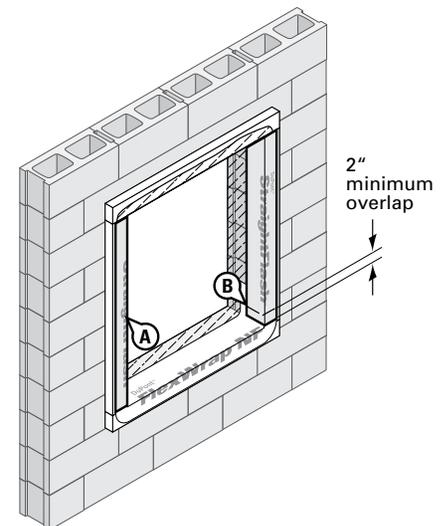
Firmly press sill flashing to ensure full adhesion on all surfaces. Eliminate wrinkles and bubbles by smoothing surface.



### STEP 4

Cut two pieces of 9" DuPont™ StraightFlash™ to the length of the jamb. Jamb flashing should overlap the sill flashing by at least 2" and be overlapped by future head flashing by at least 2".

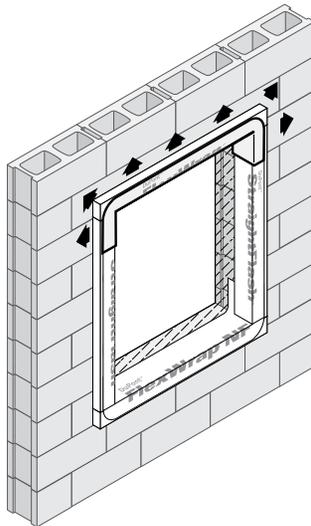
Remove release paper and position DuPont™ StraightFlash™ so that 2" will extend onto the face of the wood buck. Wrap jamb flashing into the rough opening at each jamb and onto the face of the wood buck.



## Bump Out Window (Method 2: Self-Adhered Flashing with Fluid Applied Weather Barrier)

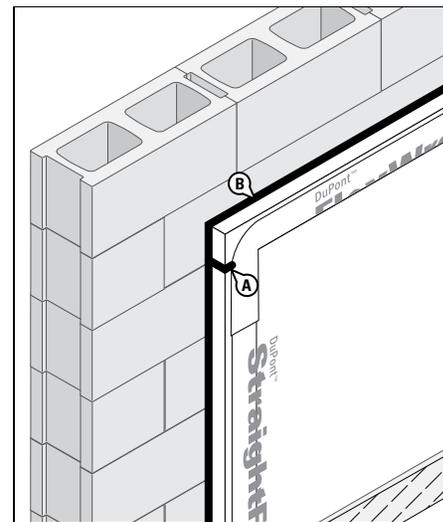
### STEP 5

Adhere DuPont™ FlexWrap™ NF to the head, and onto the face of the bump out framing, using the same installation process as shown in steps 2 and 3 for the sill flashing. Make sure the FlexWrap™ NF is cut long enough to overlap the jamb flashing by at least 2".



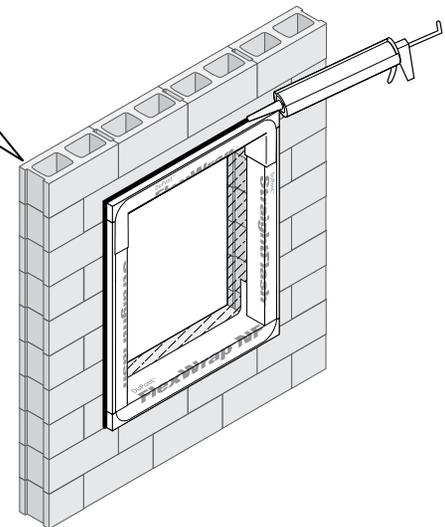
### STEP 6

A. Apply a bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound or DuPont™ Sealant for Tyvek® Fluid Applied System to the seams in the bump out framing. Fill any remaining holes or cracks in bump out framing using the joint compound or sealant.



B. Apply a fillet bead of Tyvek® Fluid Applied Flashing and Joint Compound or DuPont™ Sealant for Tyvek® Fluid Applied System to the perimeter of the wood buck at the wood buck / wall interface. Fillet bead should extend approximately 1/2" onto both surfaces.

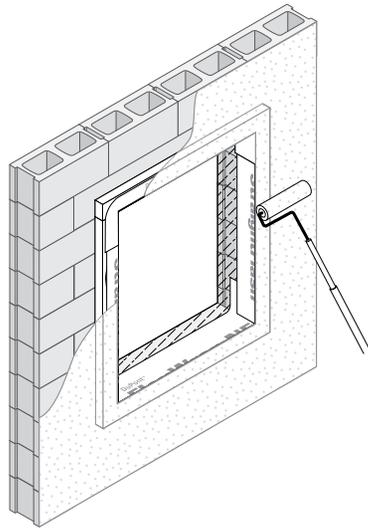
Note: Let joint compound and sealant cure for 24 hours before coating with DuPont™ Tyvek® Fluid Applied WB.



## Bump Out Window (Method 2: Self-Adhered Flashing with Fluid Applied Weather Barrier)

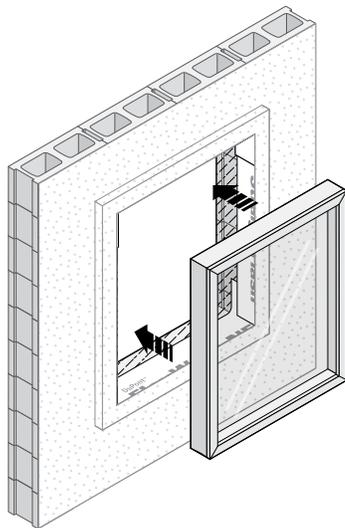
### STEP 7

Install DuPont™ Tyvek® Fluid Applied WB up to the edge of the rough opening overlapping the DuPont™ FlexWrap™ NF and StraightFlash™. Refer to the current Fluid Applied WB – Commercial Installation Guidelines for application instructions. Upon completion, inspect the flashing perimeter to ensure that it is free of any voids or pinholes.



### STEP 8

Install window per manufacturer's installation instructions.

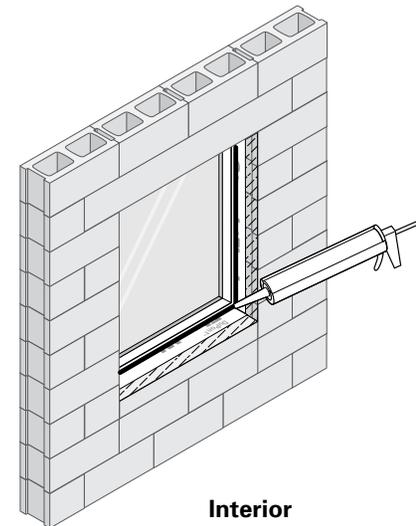


### STEP 9

Create a continuous perimeter seal between the interior of the window and the flashing using backer rod and DuPont™ Sealant for Tyvek® Fluid Applied System, or recommended sealant, along all four sides of the window.

When the facade is complete, place a continuous sealant bead integrating the window to the facade.

Note: Refer to the Bump Out Window CAD details at [www.Weatherzation.Tyvek.com](http://www.Weatherzation.Tyvek.com) for more detailed information.

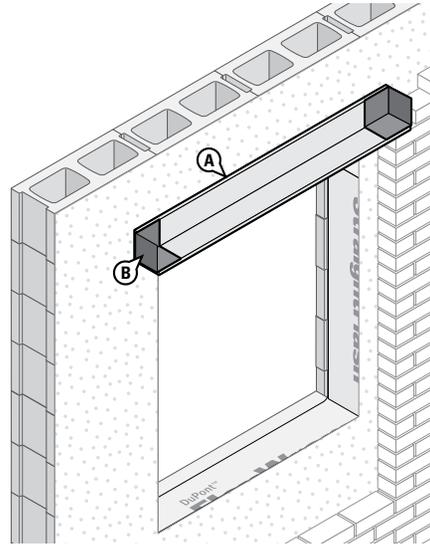


## Thru Wall Flashing

### Lintel at Window Head

#### STEP 1

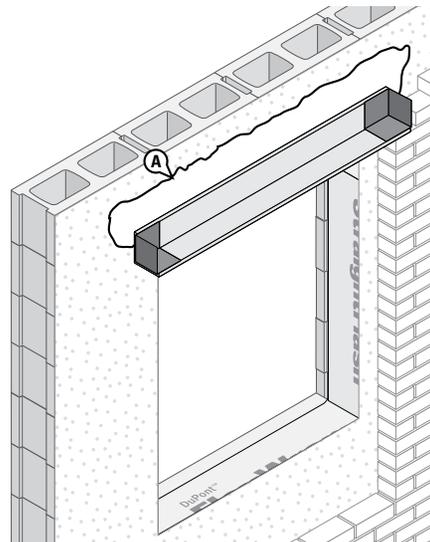
- A. Install lintel on masonry as required.
- B. Install DuPont™ End Dams, beaded in recommended sealant, onto lintel. End Dams should extend a minimum of 4" beyond the edge of the window opening.



#### STEP 2

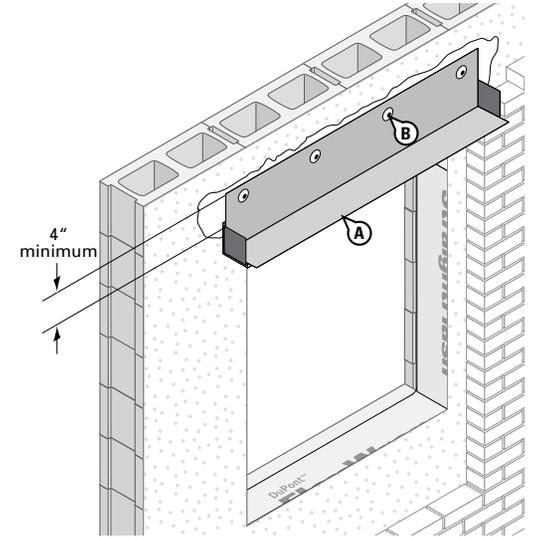
- A. Apply a 25 mil thick coat of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound onto the face of the wall, extending approximately 5" above the lintel.

Cut DuPont™ Thru-Wal Flashing to the length needed to fit between the end dams. Use wide enough Thru-Wall Flashing to extend 4" up onto the face of the wall.



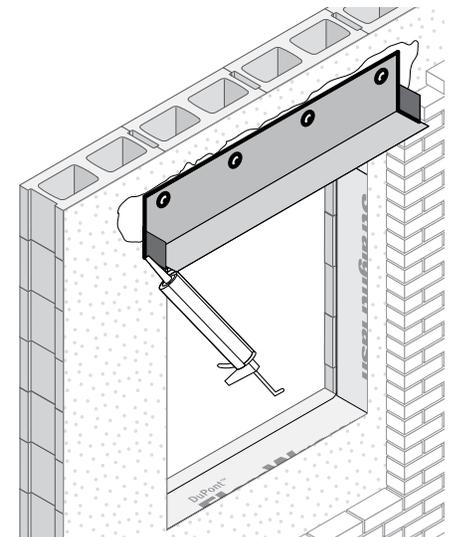
#### STEP 3

- A. Install DuPont™ Thru-Wall Flashing on to the wall and lintel with a minimum of 4" adhering to the wall surface. Extend the non-adhesive portion of the Thru-Wall Flashing a minimum of 1/4" beyond the outside edge of the lintel to form a drip edge.
- B. Terminate the top edge of flashing using mechanical fasteners. As a best practice, DuPont recommends using a termination bar to terminate flashing.



#### STEP 4

- Seal the DuPont™ Thru-Wall Flashing perimeter, seams, and fasteners using DuPont™ Sealant for Tyvek® Fluid Applied System or a DuPont recommended sealant.



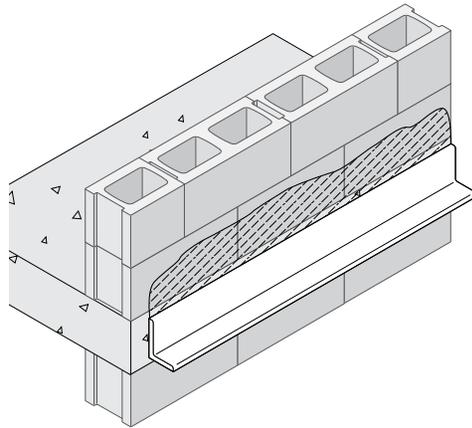
## Thru Wall Flashing

### Shelf Angle

#### STEP 1

Clean wall and lintel of any material that could negatively affect adhesion as well as any sharp protrusions.

Apply recommended primer approximately 5" onto wall surface above shelf angle.

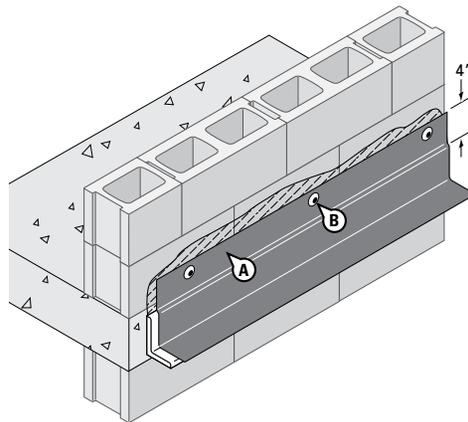


#### STEP 2

A. Install DuPont™ Thru-Wall Flashing onto the wall and shelf angle with a minimum of 4" adhering to the wall surface. Extend the non-adhesive portion of the DuPont™ Thru-Wall Flashing a minimum of 1/4" beyond the outside edge of the shelf angle to form a drip edge.

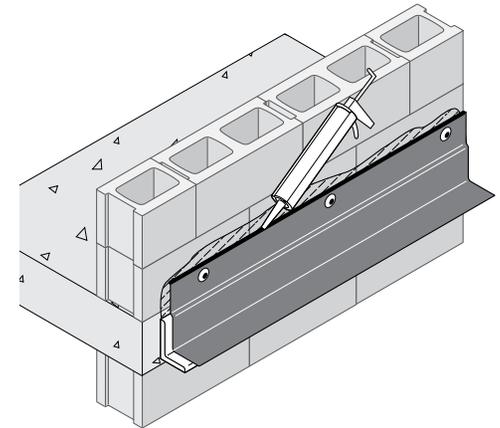
B. Terminate the membrane on the vertical wall per plans and specifications. If desired, termination can be performed by using a reglet, counterflashing, termination bar or by embedding in a mortar joint.

Note: When using an optional metal drip plate, trim the exterior edge of the membrane by 1" and secure per manufacturer's guidelines. DuPont™ Thru-Wall Flashing must be continuously supported by the substrate, must have no wrinkling, and must not span gaps or voids in excess of 1/2".



#### STEP 3

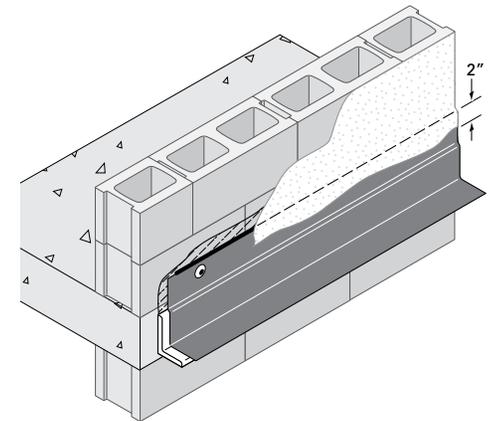
Apply DuPont™ Sealant for Tyvek® Fluid Applied System or DuPont™ Tyvek Fluid Applied Flashing and Joint Compound along the perimeter of the DuPont™ Thru-Wall Flashing and to all seams.



#### STEP 4

After sealant has cured, apply DuPont™ Tyvek® Fluid Applied WB onto the wall surface, overlapping the Thru-Wall Flashing by a minimum of 2". Tyvek® Fluid Applied WB should be installed in accordance with the current Fluid Applied WB – Commercial Installation Guidelines. Upon completion, inspect the surface to ensure that the Fluid Applied WB is continuous and free of any voids or pinholes.

Note: If DuPont™ Thru-Wall Flashing is to be applied after the Tyvek® Fluid Applied WB has been installed, the top of the DuPont™ Thru-Wall Flashing must be first embedded in DuPont™ Sealant for Tyvek® Fluid Applied System or an recommended sealant. The top should be mechanically fastened, and then the perimeter and all fasteners sealed using a recommended sealant.



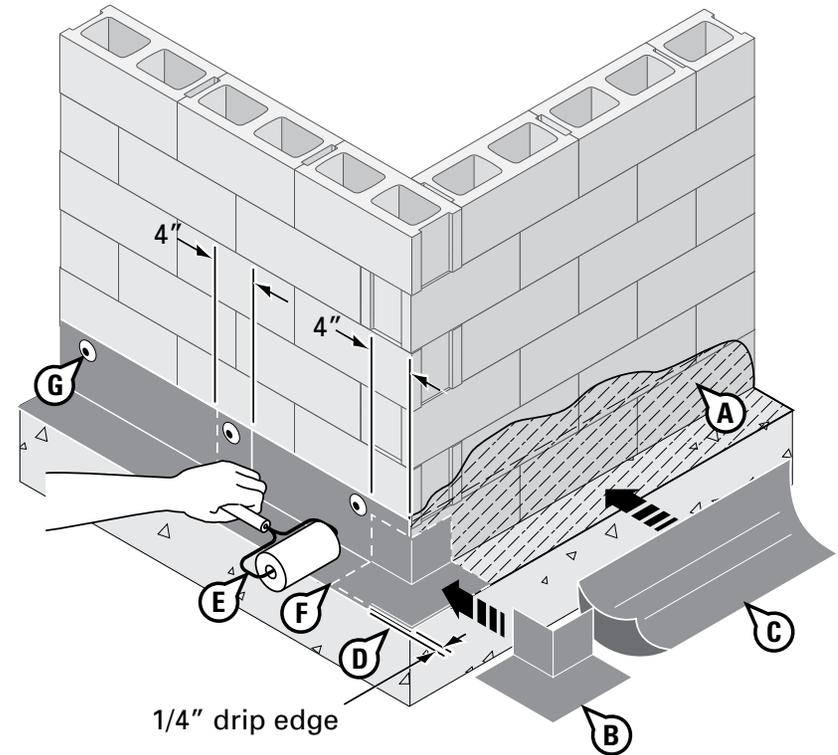
## Thru Wall Flashing

### Base of Wall with Outside Corner

#### STEP 1

- A. Apply a recommended primer to wall surface and foundation. Follow primer manufacturer's guidelines for appropriate coverage and drying times. Re-prime surface if primed area is left exposed >24 hours. (See page 3 for a list of DuPont recommended primers)
- B. Install preformed corners and end dams, bedded in DuPont™ Sealant for Tyvek® Fluid Applied system or an recommended sealant, in the appropriate locations along the wall.
- C. Starting at a corner, remove the release sheet from the DuPont™ Thru-Wall Flashing, and apply membrane to primed surfaces in lengths of 8-10', overlapping each by a minimum of 4".
- D. Extend the non-adhesive portion of the Thru-Wall Flashing completely through the wall and leave 1/4" minimum exposed to form a drip edge.
- E. Using a steel roller and firm hand pressure, roll the flashing into place to ensure continuous and direct contact with the substrate.
- F. All end laps and preformed corner overlaps must be a minimum of 4".
- G. Terminate the DuPont™ Thru-Wall Flashing on the vertical wall per plans and specifications. If desired, termination can be performed by using a reglet, counterflashing, termination bar or by embedding in a mortar joint.

Note: When using an optional metal drip plate, trim the exterior edge of the membrane by 1" and secure per manufacturer's guidelines. Thru-Wall Flashing must be continuously supported by the substrate, must have no wrinkling, and must not span gaps or voids in excess of 1/2".



## Thru Wall Flashing

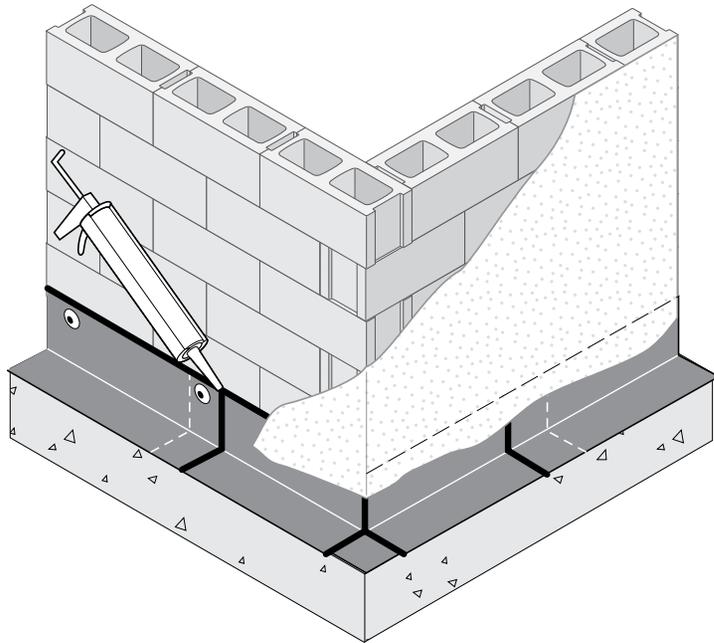
### Base of Wall with Outside Corner

#### STEP 2

Apply a sealant bead at each termination edge and all laps of the membrane with DuPont™ Sealant for Tyvek® Fluid Applied System.

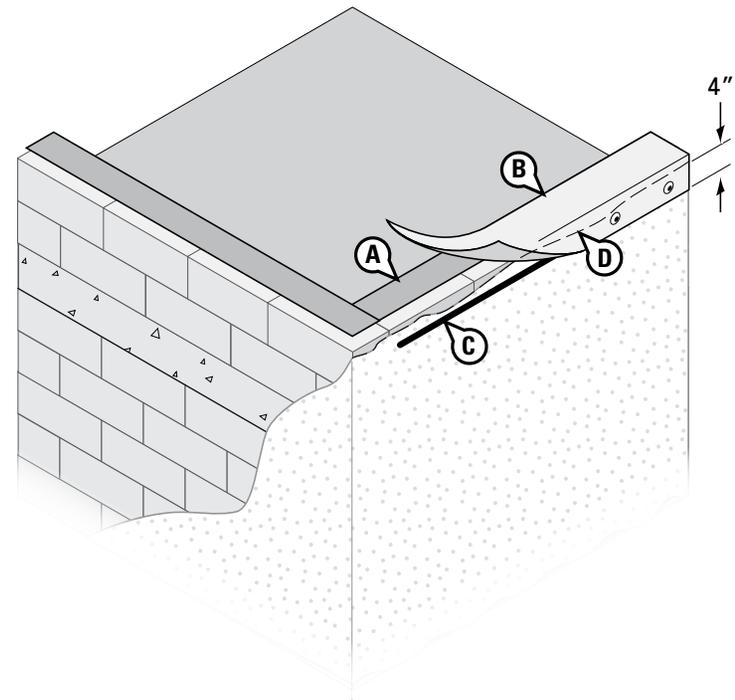
All detailing such as corner treatment, joint treatment and transitions should be completed and cured prior to application of DuPont™ Tyvek® Fluid Applied WB.

Install Tyvek® Fluid Applied WB over Thru-Wall Flashing, overlapping by a minimum of 2". Refer to the current Tyvek® Fluid Applied WB – Commercial Installation Guidelines for application instructions. Upon completion, inspect the weather barrier application to ensure that it is free of any voids or pinholes.



### Top of Wall

- Tyvek® Fluid Applied WB and roofing membrane should be installed prior to installation of DuPont™ Thru-Wall Flashing.
- Wrap DuPont™ Thru-Wall Flashing over top of wall, extending it down over Tyvek® Fluid Applied WB by at least 4".
- Lift up bottom edge of flashing and apply a liberal bead of DuPont™ Sealant for Tyvek® Fluid Applied System under flashing approximately 2" up from the bottom edge.
- Press flashing into sealant and secure using mechanical fasteners. Install fasteners through the flashing and sealant bead.



## Technical Specifications

DuPont™ Tyvek® Fluid Applied products are formulated to include elastomeric polymers that cure to a continuous, fully-adhered, tough, durable membranes. Additives have been incorporated to provide ultraviolet light resistance. DuPont requires that the DuPont™ Tyvek® Fluid Applied WB, DuPont™ Tyvek® Fluid Applied Flashing and Joint Treatment Compound, and DuPont™ Tyvek® Fluid Applied – Brush Formulation are to be covered within 9 months (270 days) of installation

DuPont™ Thru-Wall Flashing is a 40 mil, self-adhesive composite flashing membrane. The top sheet is composed of DuPont™ Elvaloy® polymer and thermoplastic ingredients that are reinforced with polyester fibers. A synthetic rubber adhesive is applied to the bottom surface of the membrane. A 1-1/2" edge of the top sheet does not have the synthetic rubber adhesive applied to it in order to provide a suitable surface for sealant adhesion and to use as a drip edge. Corners and end dams are made from DuPont™ Elvaloy® polymer and thermoplastic ingredients. Additives have been incorporated to provide extended UV light resistance.

DuPont™ FlexWrap™ NF and StraightFlash™ flashing products are made from a synthetic rubber adhesive and a top sheet of flash spunbonded high density polyethylene fibers. Additives have been incorporated into these materials to help provide UV light resistance. DuPont requires that DuPont™ FlexWrap™ and DuPont™ StraightFlash™ be covered within four (4) months (120 days) of installation.

## Warning

**Use only as directed. Avoid contact with eyes and skin, gloves are recommended. First Aid: Eye & Skin Contact; Wash thoroughly with water. If irritation persists, contact a physician.**

**KEEP OUT OF REACH OF CHILDREN.**

**DuPont™ Thru-Wall Flashing, DuPont™ FlexWrap™ NF, and DuPont™ StraightFlash™ products and their release paper are slippery and should not be walked on. Remove release paper from work area immediately. DuPont™ Thru-Wall Flashing will melt at temperatures greater than 480°F (250°C). DuPont™ FlexWrap™ NF and StraightFlash™ will melt at temperatures greater than 250°F (121°C). DuPont Flashing Systems products are combustible and should be protected from flame and other high heat sources. If burning occurs, ignited droplets may fall away from the point of ignition. For more information, call 1-800-44-Tyvek.**

**DuPont™ Commercial Sealant is irritating to skin, eyes and respiratory tract. For proper usage, follow directions stated on the product label. For health information, refer to the Material Safety Data Sheet or call Chemtrec at 1-800-424-9300.**

## Clean Up

Uncured Fluid Applied product can be cleaned from hands, tools, and equipment by using a citrus based cleaner or mineral spirits. Cured product can be removed by soaking in citrus based cleaners or using a gel-based paint stripper.

## Health and Safety

Use protective apparel to avoid unnecessary contact of Fluid Applied product with skin. Refer to the MSDS for complete health and safety information.

## Disposal

Dispose of any residual fluid applied material or fluid applied coated debris in accordance with applicable federal, state, and local government regulations.

## Note

When installed in conjunction with other building materials, DuPont Flashing Systems and DuPont™ Tyvek® Fluid Applied Weather Barrier products must be properly shingled so that water is diverted to the exterior of the wall system. DuPont™ Tyvek® Fluid Applied WB is a secondary weather barrier. The outer facade is the primary barrier. You must follow facade manufacturer's installation and maintenance requirements for all facade systems in order to maintain water holdout properties and ensure performance of DuPont™ Tyvek® Fluid Applied WB. Use of additives, coatings or cleansers on or in the facade system may impact the performance of DuPont™ Tyvek® Fluid Applied products. DuPont Weatherization Systems products are to be used as outlined in this installation guideline. DuPont Flashing Systems products should only be used to seal penetrations and flash openings in houses or buildings. DuPont Flashing Systems products are not to be used in roofing applications. For superior protection against bulk water penetration, DuPont suggests a system combining a quality exterior facade, a good secondary weather barrier and exterior sheathing, high quality windows and doors, and appropriate flashing materials paying attention to proper installation of each component.

DuPont believes this information to be reliable and accurate. The information may be subject to revision as additional experience and knowledge is gained. It is the user's responsibility to determine the proper construction materials needed.

For complete warranty information please call 1-800-44-Tyvek or visit [www.Weatherization.Tyvek.com](http://www.Weatherization.Tyvek.com).

This information is not intended to be used by others for advertising, promotion, or other publication for commercial purposes.

For more information about DuPont Weatherization Systems, please call 1-800-44-Tyvek or visit us at [www.Weatherization.Tyvek.com](http://www.Weatherization.Tyvek.com)



**Tyvek**  
FLUID APPLIED WB