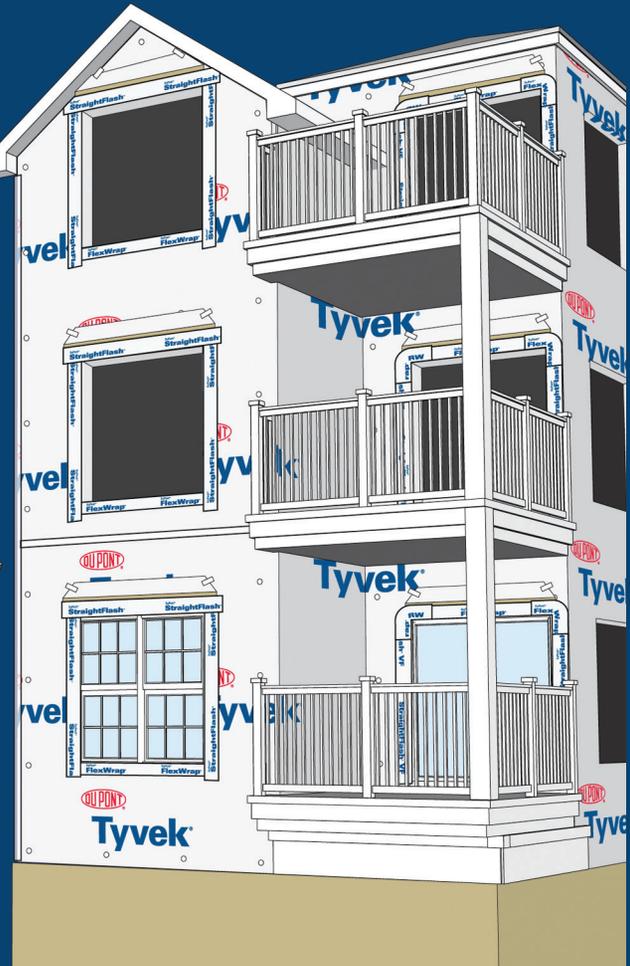


Installation Instructions for Windows
and Doors AFTER Water-Resistive Barrier
(WRB) is Installed



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

INSTALLATION INSTRUCTIONS FOR WINDOWS AND DOORS
AFTER WATER-RESISTIVE BARRIER
(WRB) IS INSTALLED



FOR BUILDINGS LESS THAN 5 STORIES AND LOW-RISE MULTI-FAMILY RESIDENTIAL BUILDINGS LESS THAN 6 STORIES

REVISION 5/16

DuPont™ Self-Adhered Flashing Systems Installation Guidelines

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Applicable Products

DuPont™ Self-Adhered Flashing Systems Products

PRODUCT	WIDTH
DuPont™ FlexWrap™ NF	6 in 9 in
DuPont™ StraightFlash™	4 in 9 in
DuPont™ StraightFlash™ VF	6 in
DuPont™ Flashing Tape	4 in 6 in 9 in 12 in

Water-Resistive Barriers (WRB)

PRODUCT	DIMENSIONS	AREA
DuPont™ Tyvek® HomeWrap®	3 ft x 100 ft	300 sq ft
	3 ft x 165 ft	495 sq ft
	5 ft x 200 ft	1,000 sq ft
	9 ft x 100 ft	900 sq ft
	9 ft x 150 ft	1,350 sq ft
	10 ft x 100 ft 10 ft x 150 ft	1,000 sq ft 1,500 sq ft
DuPont™ Tyvek® StuccoWrap®	5 ft x 200 ft	1,000 sq ft
DuPont™ Tyvek® DrainWrap™	9 ft x 125 ft	1,125 sq ft
	10 ft x 125 ft	1,250 sq ft
DuPont™ Tyvek® ThermaWrap™ LE	5 ft x 150 ft	750 sq ft
	9 ft x 100 ft	900 sq ft
DuPont™ Tyvek® CommercialWrap®	5 ft x 200 ft	1,000 sq ft
	10 ft x 125 ft	1,250 sq ft
DuPont™ Tyvek® CommercialWrap® D	5 ft x 200 ft	1,000 sq ft
	10 ft x 125 ft	1,250 sq ft

Required Materials Based on Project Requirements, Details, and Specifications*

PRODUCT

DuPont™ Tyvek® Tape

DuPont™ Tyvek® Wrap Cap Fasteners or recommended fastening system

DuPont™ Window & Door Foam

DuPont™ Residential Sealant, or other recommended sealant

DuPont™ Adhesive/Primer

Backer Rod

Brushes for Surface Preparation

J-Roller

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

Warranty

Please refer to the [DuPont Weatherization Products 10-Year Limited Warranty for Buildings Less Than 5 Stories and Low-Rise Multi-Family Residential Buildings Less Than 6 Stories](#).

NOTE: In order to make a claim under the DuPont Weatherization Products 10-Year Limited Product and Labor Warranty, you must have met all of the terms and conditions of the warranty, including use of the applicable DuPont Installation Guidelines. In the event that a specific detail or installation technique is not covered in the DuPont Installation Guidelines at the time you are building, then the Key Installation Requirements outlined in this document must have been followed in order to make a claim under the warranty. It is in the sole discretion of DuPont to determine if full compliance with the Key Installation Requirements exists. Please contact DuPont or a DuPont™ Tyvek® Specialist if you have any questions regarding any DuPont Installation Guideline.

General Instructions

These installation guidelines are intended **for buildings less than 5 stories and low-rise multi-family residential buildings less than 6 stories** when performance requirements do not exceed ASTM E1677 (65 mph equivalent structural load and 15 mph equivalent wind-driven rain water infiltration), and window/door design ratings that do not exceed DP45.

DuPont™ self-adhered flashing systems products should be installed on clean, dry surfaces that are free of frost. Wipe surfaces to remove moisture, dirt, grease and other debris that could interfere with adhesion.

Apply pressure along entire surface of flashing for a good bond using firm hand pressure, J-roller, or alternate tool without sharp edges (such as a plastic carpet tuck tool) to assist with application of uniform pressure during installation of DuPont™ self-adhered flashing systems products.

Remove all wrinkles and bubbles that may allow for water intrusion by smoothing surface and repositioning as necessary.

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. As an option, if a rigid back dam is desired, cut the corner back dam the length of the sill and nail into place on the interior edge of the sill prior to installation of DuPont™ FlexWrap™ NF. Then install DuPont™ FlexWrap™ NF over sill and corner guard back dam. If using 6" DuPont™ FlexWrap™ NF with optional rigid back dam, seal ends of corner guard with DuPont™ Residential Sealant or recommended sealant.

Door and window rough sill framing must be level or slightly sloped to the exterior to ensure proper drainage to the exterior. This best practice ensures continuous support with positive slope to the exterior.

DuPont™ self-adhered flashing systems products are not intended for through-wall flashing applications.

DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave joint.

Please contact your local DuPont™ Tyvek® Specialist for additional information and installation support.

DuPont™ Self-Adhered Flashing Systems Installation Guidelines

DO NOT STRETCH DuPont™ FlexWrap™ NF when installing along the length of sills or jambs. DuPont™ FlexWrap™ NF is only intended to be extended when covering corners or curved sections.

DuPont™ self-adhered flashing systems products perform best when installed at temperatures above 25°F (-4°C).

Avoid placing DuPont™ Tyvek® Wrap Cap Fasteners where flashing or DuPont™ Tyvek® Tape will be installed; however, DuPont™ Tyvek® Wrap Cap Fasteners can be applied over the flashing.

Adverse weather conditions or cold temperatures may require use of a primer to promote adhesion of DuPont™ self-adhered flashing products to most common building materials. Concrete, masonry, and fiber-faced exterior gypsum board require the use of DuPont™ Adhesive/Primer.

Please call 1-800-44-Tyvek (800-448-9835), visit www.weatherization.tyvek.com, or consult your local DuPont™ Tyvek® Specialist for additional information and installation support.

Key Installation Requirements for Drainable Window / Door Installation Under the Limited Product and Labor Warranty

When flashing windows or doors, the following principles must be followed:

- When installed properly, DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF, and DuPont™ Flashing Tape provide nail sealability at window/door openings to help protect critical window-wall interfaces. Metal sill pan flashing may be used, but must not replace flexible sill flashing that provides nail sealability.
- DuPont™ self-adhered flashing systems products comply with AAMA 711-13, *Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products*, which has a modified version of ASTM D 1970 that is more representative for vertical wall applications.
- Direct water onto an acceptable air and water barrier drainage plane with an unobstructed path to the exterior of the wall. Provide a drainage path for any water intrusion through the window/door attachment system that collects at the sill.
- Properly integrate flashing with acceptable DuPont™ Tyvek® WRB in accordance with the details in this installation guideline. DuPont™ self-adhered flashing systems products must be applied with a minimum 2" lap onto the WRB.
- DuPont requires that DuPont™ FlexWrap™ NF and StraightFlash™ be covered within nine months (270 days) of installation. DuPont requires that DuPont™ Flashing Tape be covered within four months (120 days) of installation.
- Ensure that window / door and flashing system design takes into account common factors that will impact performance, such as:
 - Climate considerations: Rainfall, Wind, Temperature (hot / cold cycles), Humidity
 - Building design: Window / Wall Design (overhangs, recessed openings, bump-outs), Wall Assembly (wood frame or masonry), Window System (wood or vinyl), New Construction or Replacement Window drainage path
 - UV exposure prior to the construction of the exterior facade
- Field testing the window / door and wall installation as a complete system is a recommended best practice.
- Use of trained installers is highly recommended.

Integral Flanged Window AFTER DuPont™ Tyvek® WRB is Installed

This method applies to the following products:

- DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

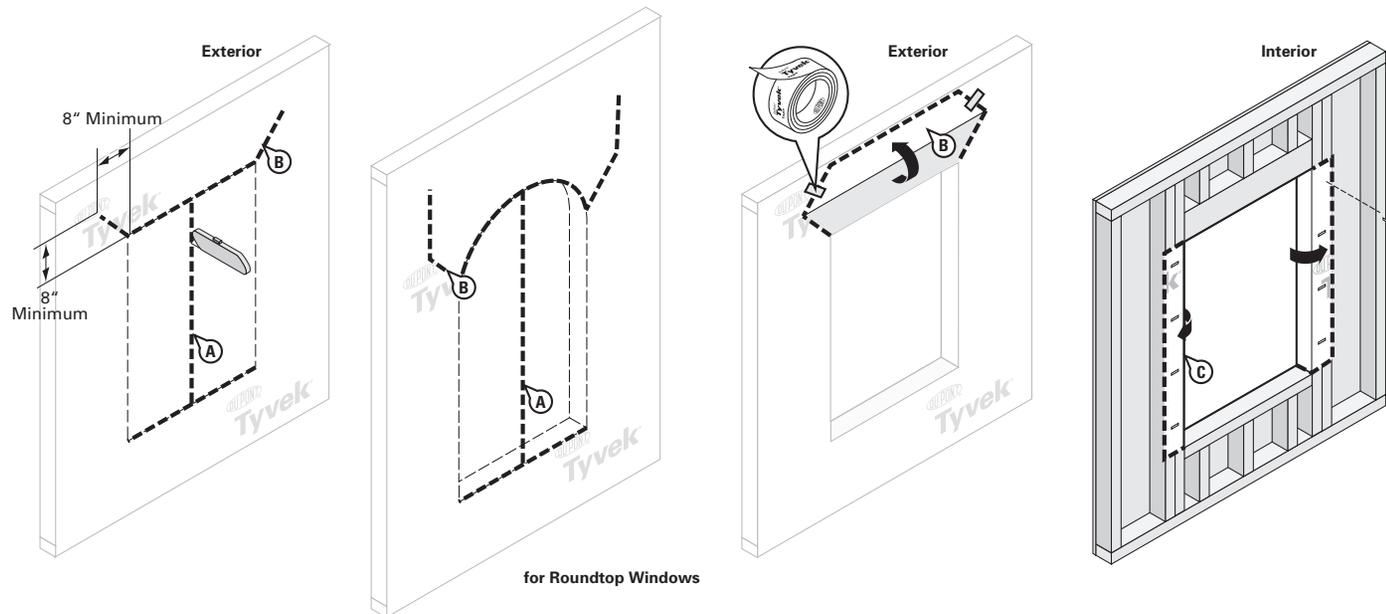
STEP 1

Prepare the DuPont™ Tyvek® WRB for window installation:

- Make an "I-Cut" (Standard I-Cut in the DuPont™ Tyvek® WRB (modified I-Cut is also accepted). For an "I-Cut", begin with a horizontal cut across the bottom and the top of the window frame (for round top windows, the cut should begin above the mull joint). From the center, cut straight down to the sill.
- Cut two 45 degree slits a minimum of 8" extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation (see step 4). Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

NOTE: Some windows and flashing widths may require longer slits.

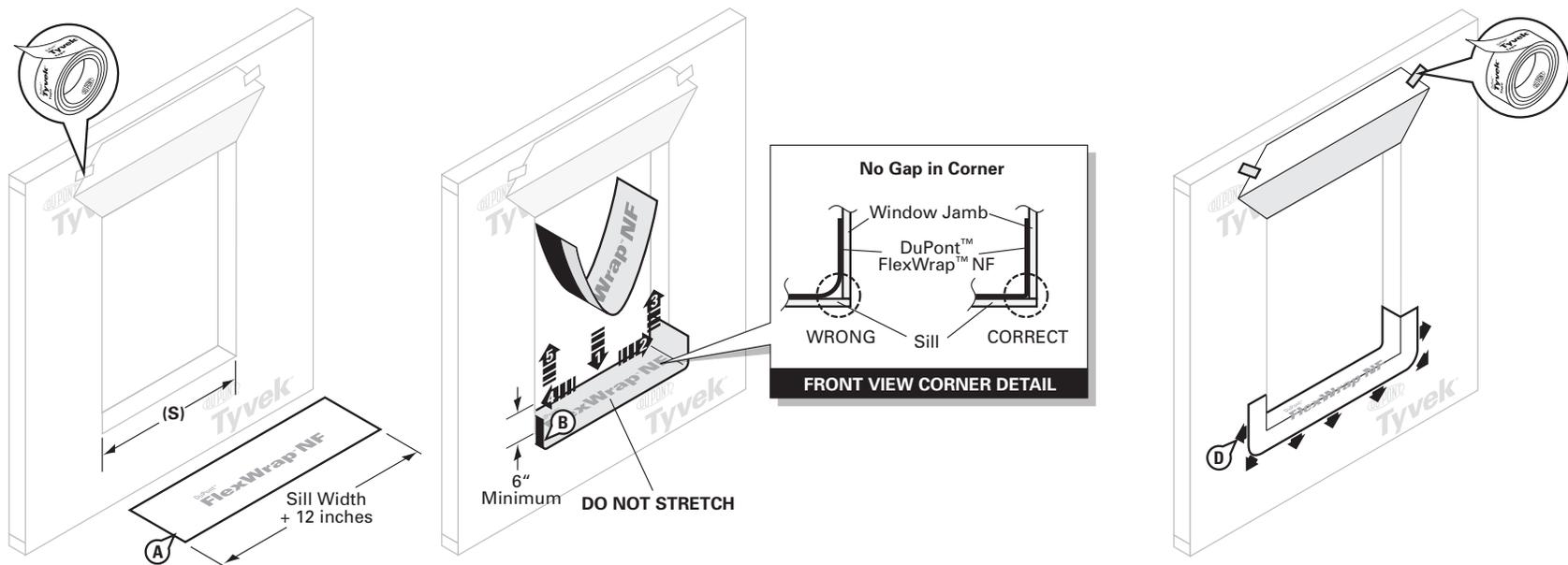
- Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 2

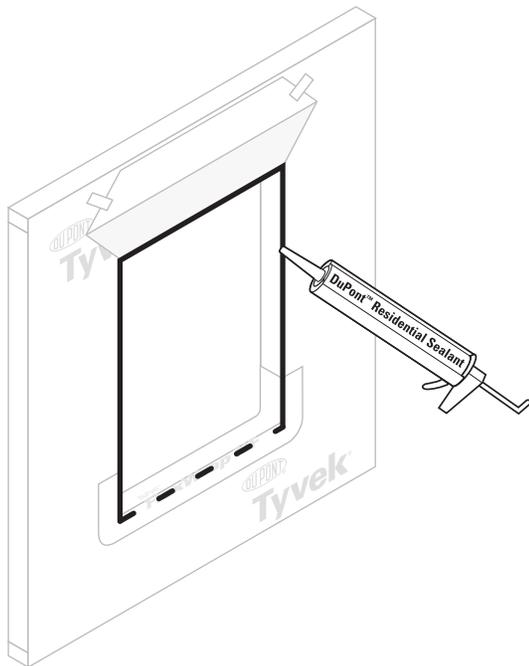
- Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of rough opening sill (S).
- Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6" on each side).
- Remove second release paper.
- Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 3

Apply DuPont™ Residential Sealant, DuPont™ or recommended sealant, on three sides (jamb and head) as shown below. If sealant is applied to the sill, ensure that there are at least two (2) 2" gaps in the sealant bead for every 4' of window to allow for drainage.

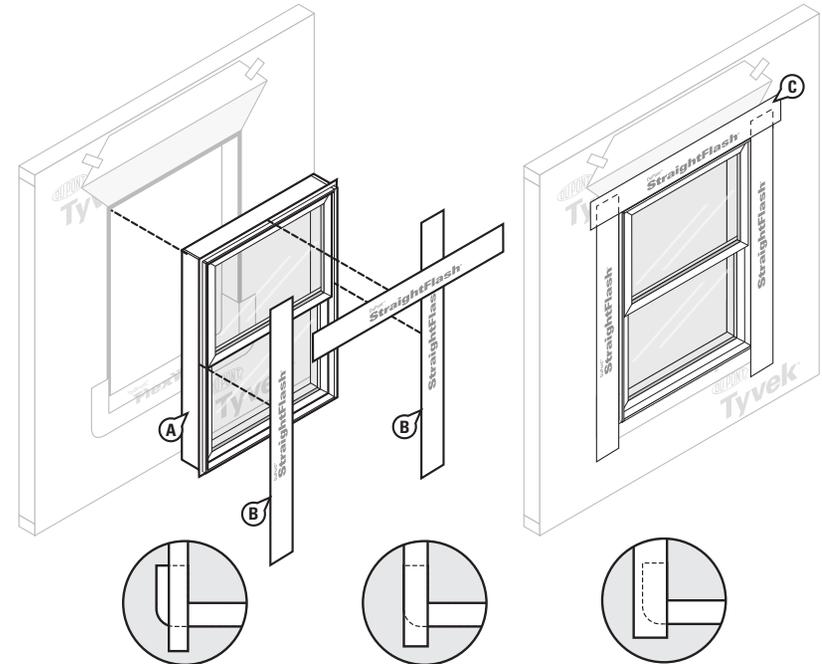


FOR RECTANGULAR WINDOWS

STEP 4

- Install window according to manufacturer's instructions.
- Cut two pieces of DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF, or DuPont™ Flashing Tape for jamb flashing extending 1" above window head flange and below bottom edge of sill flashing. Remove release paper and press tightly along sides of window frame.
- Cut a piece of DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF, or DuPont™ Flashing Tape for head flashing long enough to extend beyond outer edges of jamb flashings. Remove release paper and install completely covering flange and adhering to exposed sheathing or framing members.

NOTE: Ensure proper shingling. DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF, or DuPont™ Flashing Tape at jambs must overlap the DuPont™ FlexWrap™ NF at the sill and adhere to the DuPont™ Tyvek® WRB below the sill.



INCORRECT
DuPont™ FlexWrap™ NF
reverse flashed

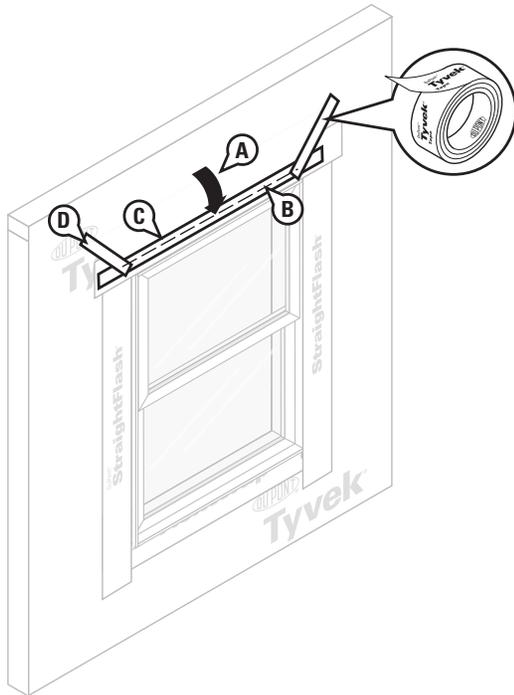
INCORRECT
DuPont™ StraightFlash™
flush with DuPont™
FlexWrap™ NF

CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 5

- A. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
- B. Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
- C. Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- D. Tape down diagonal seams of DuPont™ Tyvek® WRB.

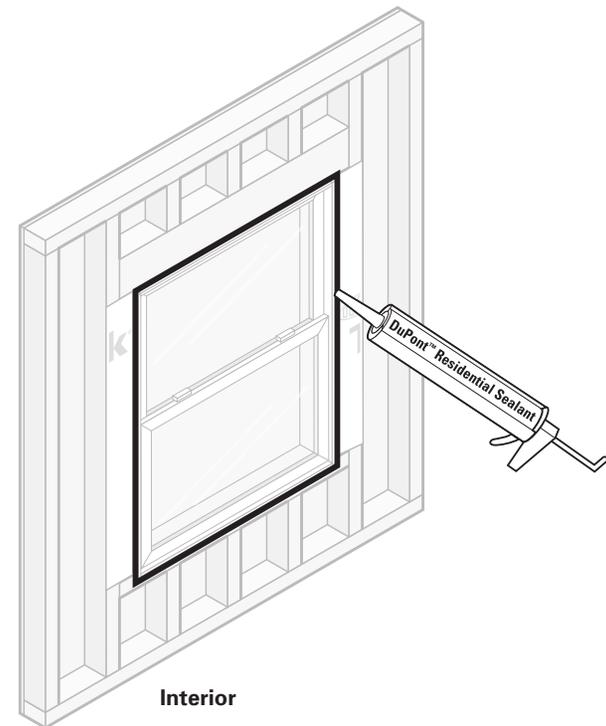


STEP 6

Final Step

Install DuPont™ Residential Sealant, or recommended sealant, (and backer rod as necessary) around the window opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap NF™ around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

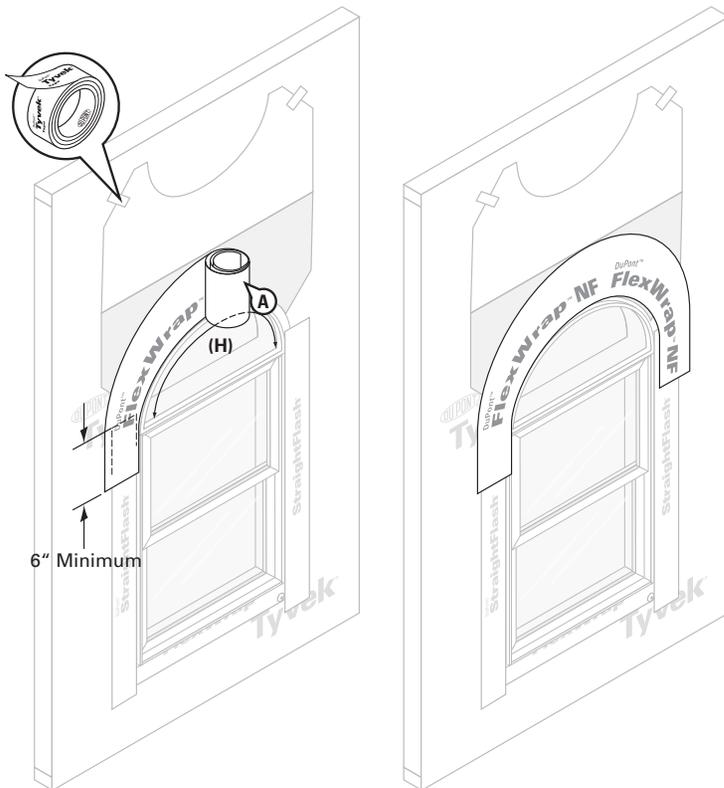
FOR ROUNDTOP WINDOWS

STEP 4

NOTE: Follow rectangular window instructions (Steps 1 through 4B) for proper installation of sill and jamb flashing prior to head flashing installation.

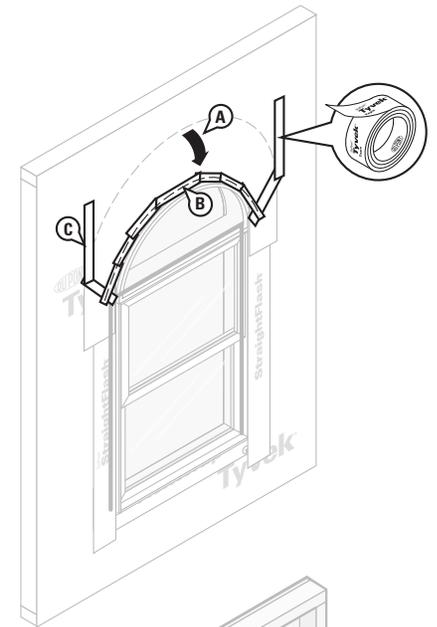
Install head flashing

- Cut DuPont™ FlexWrap NF™ head flashing at least 12" **LONGER** than the arc length (H) of round-top window.
- Remove both release papers and install to conform around top of window, covering entire mounting flange and adhering to exposed sheathing or framing members. Head flashing should overlap jamb flashings by at least 6".



STEP 5

- Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
- Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
- Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.

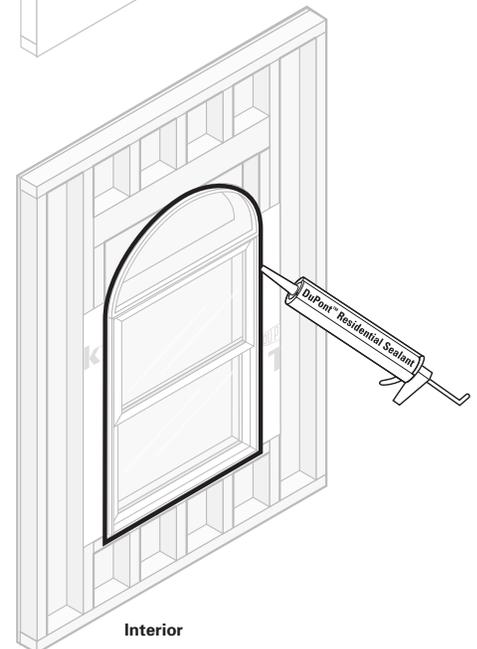


STEP 6

Final Step

Install DuPont™ Residential Sealant, or recommended sealant, (and backer rod as necessary) around the window opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap NF™ around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



Integral Flanged Door AFTER DuPont™ Tyvek® WRB is Installed

This installation guideline is intended for doors installed above grade and/or with wood floor construction.

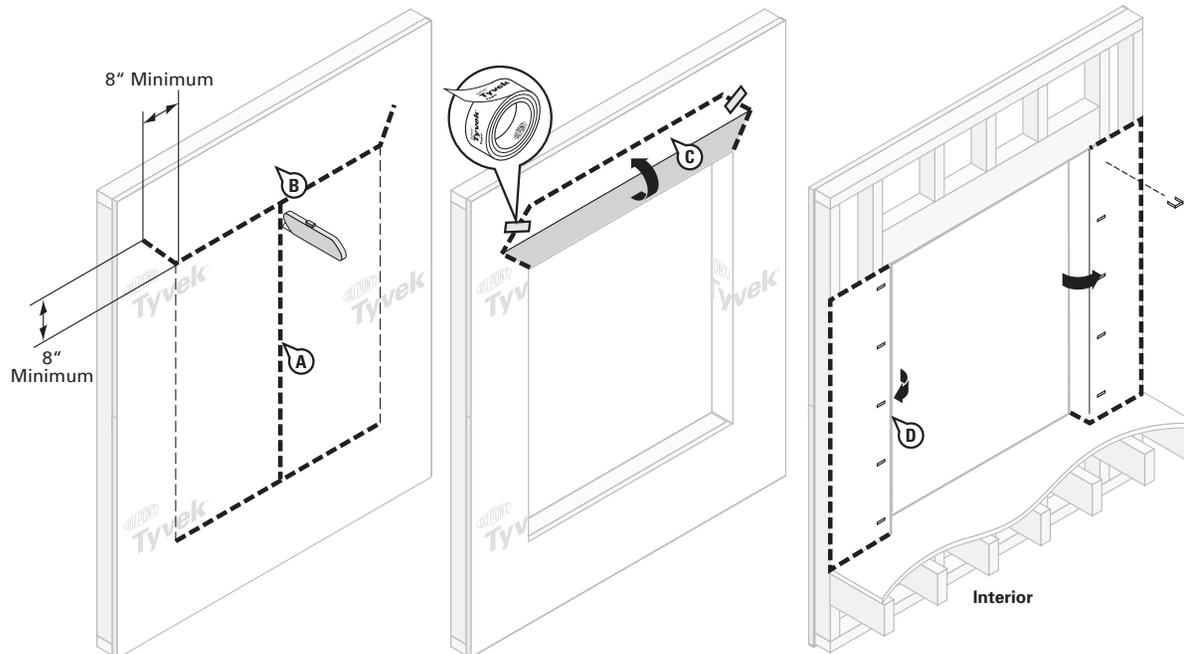
This method applies to the following products:

- DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

STEP 1

Prepare DuPont™ Tyvek® WRB for door installation:

- Make an “I-Cut” (Standard I-Cut) in the WRB. For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the door frame. From the center, cut straight down to the sill.
- Cut two 45 degree slits a minimum of 8” extending from the corner of the door head up and away from door opening from the corner of the header, to create a flap above the rough opening to expose sheathing or framing members, to allow head flashing installation (see step 8). **NOTE:** Some doors and flashing widths may require longer slits.
- Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.
- Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.

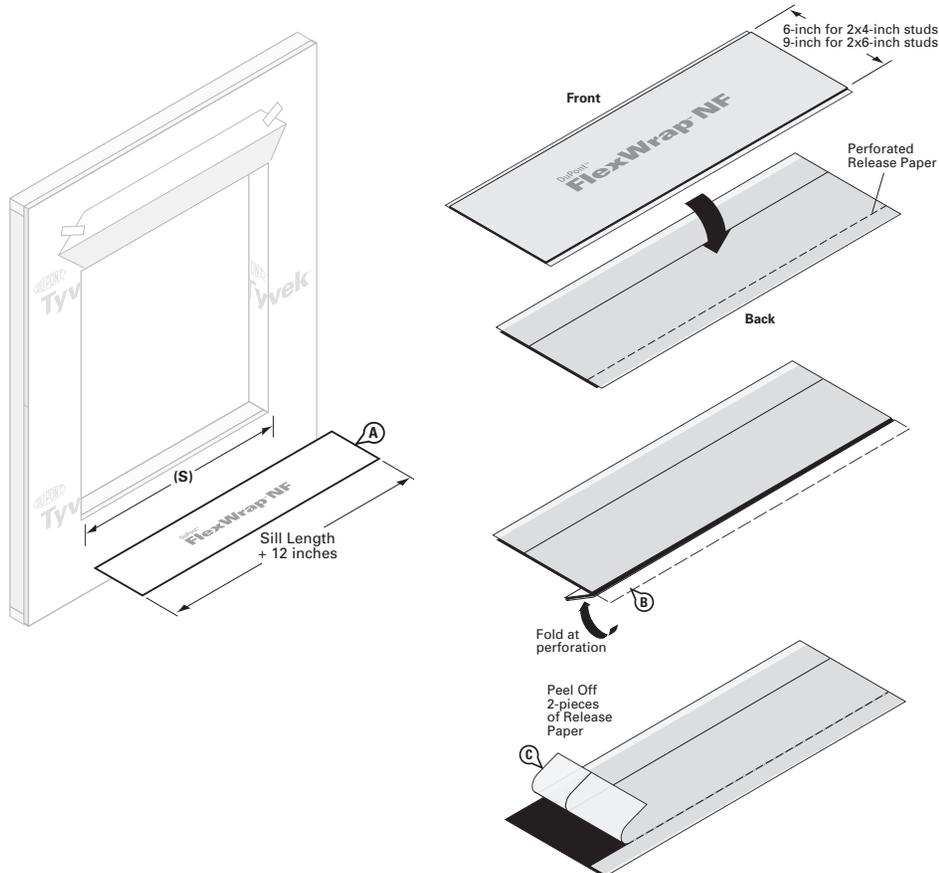


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 2

Preparation of sill flashing:

- Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of the sill (S).
- 9" DuPont™ FlexWrap™ NF has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
- Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.

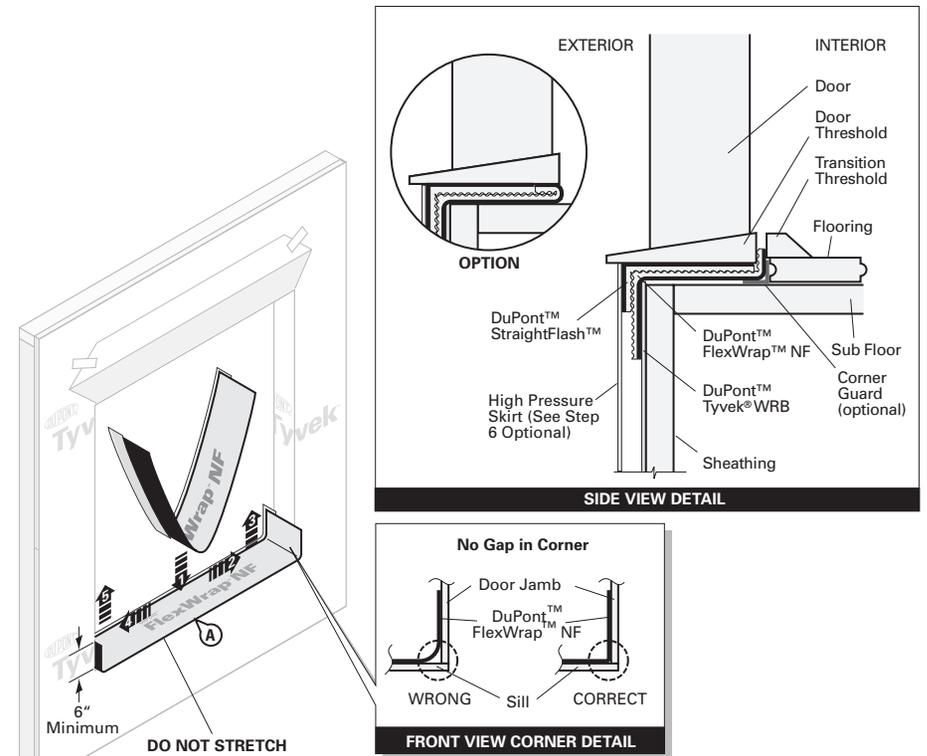


STEP 3

- Install the sill flashing as indicated so the section with the release paper still attached extends past the door threshold on the inside. When the 1" of release paper is removed, the remaining section of DuPont™ FlexWrap™ NF can be used to form a back dam.

OPTIONAL: Create back dam by folding back narrow section of DuPont™ FlexWrap™ NF:

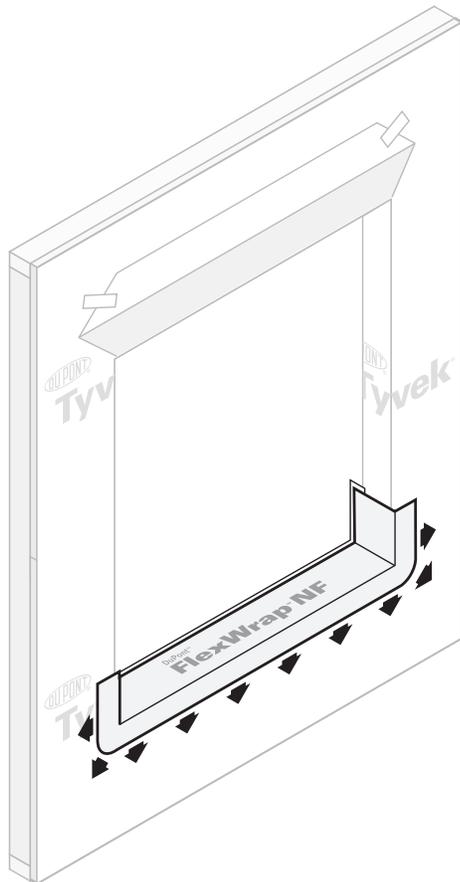
Some flooring cannot accommodate a back dam. In that case fold the back dam on top of DuPont™ FlexWrap™ NF in the sill. The door will be installed on top of the fold to create a back dam (see Side View Detail below).



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

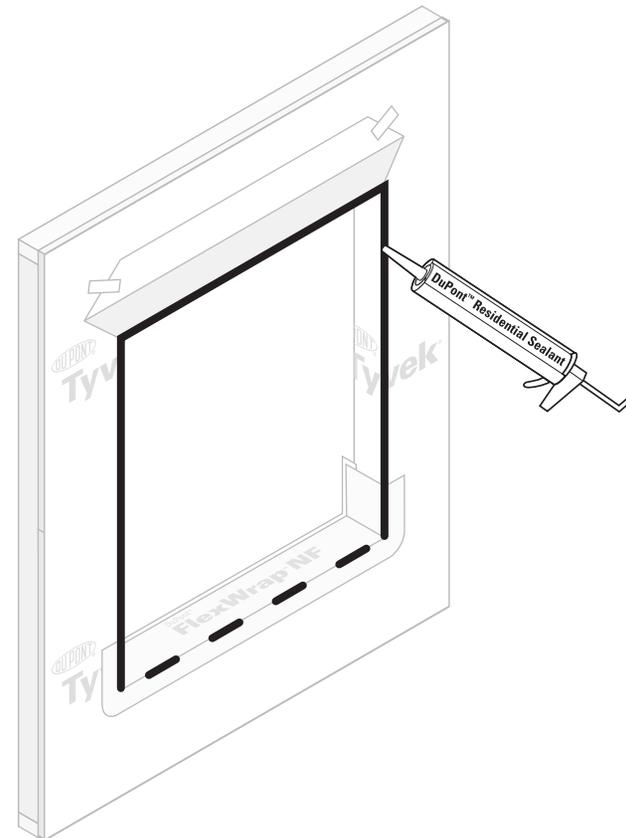
STEP 4

Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



STEP 5

Apply DuPont™ Residential Sealant, or recommended sealant, on three sides (jamb and head) as shown below. If sealant is applied to the sill, ensure that there are at least two (2) 2" gaps in the sealant bead for every 4' of window to allow for drainage.

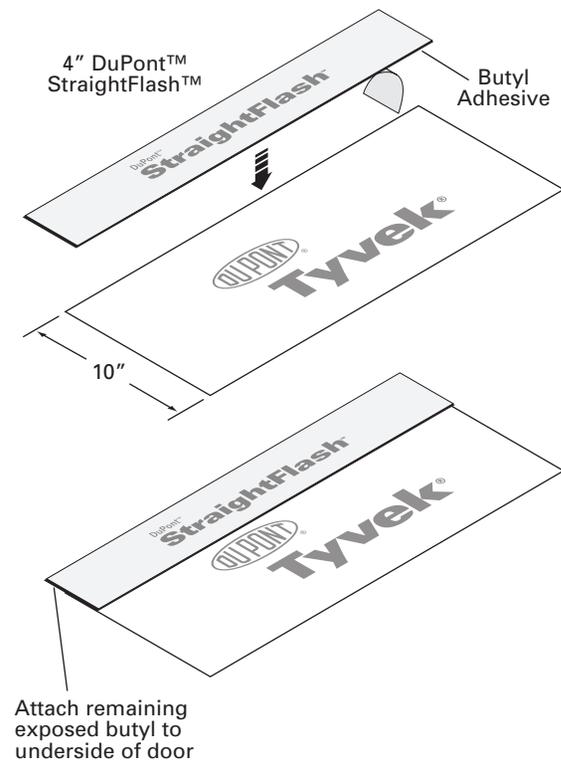


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 6 (OPTIONAL)

For extreme weather conditions, performance requirements exceeding ASTM E1677, or window/door design ratings of DP45 or greater, see General Instructions.

- A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door opening and approximately 10" in depth.
- B. Cut a 4" piece of DuPont™ StraightFlash™ or DuPont™ Flashing Tape to the same width as the skirt. Remove two pieces of release paper and adhere to the DuPont™ Tyvek® WRB.
- C. Remove the last piece of release paper and attach the skirt to the underside of the door. This skirt may be made with DuPont™ StraightFlash™, DuPont™ Flashing Tape, or DuPont™ StraightFlash™ VF.

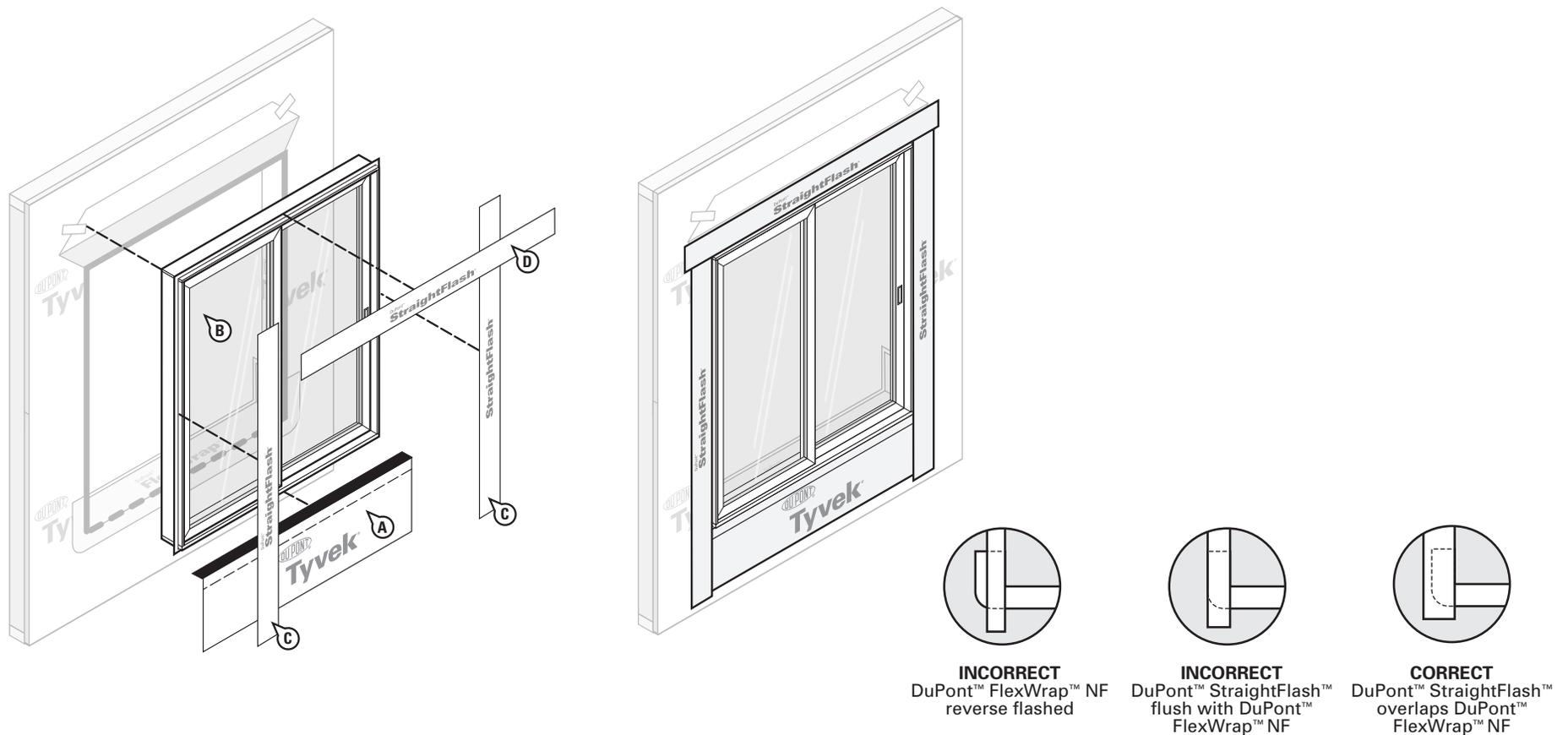


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 7

- A. **OPTIONAL:** Adhere high pressure skirt to the bottom threshold of the door.
- B. Install door according to manufacturer's instructions.
- C. Cut two pieces of DuPont™ StraightFlash™, or DuPont™ FlexWrap™ NF, or DuPont™ Flashing Tape for jamb flashing extending 1" above door head flange and below bottom edge of sill flashing. Remove release paper and press tightly along sides of door frame.
- D. Cut a piece of DuPont™ StraightFlash™, or DuPont™ FlexWrap™ NF, or DuPont™ Flashing Tape for head flashing, which extends beyond outer edges of jamb flashings. Remove release paper and install completely covering mounting flange and adhering to exposed sheathing or framing members (see D).

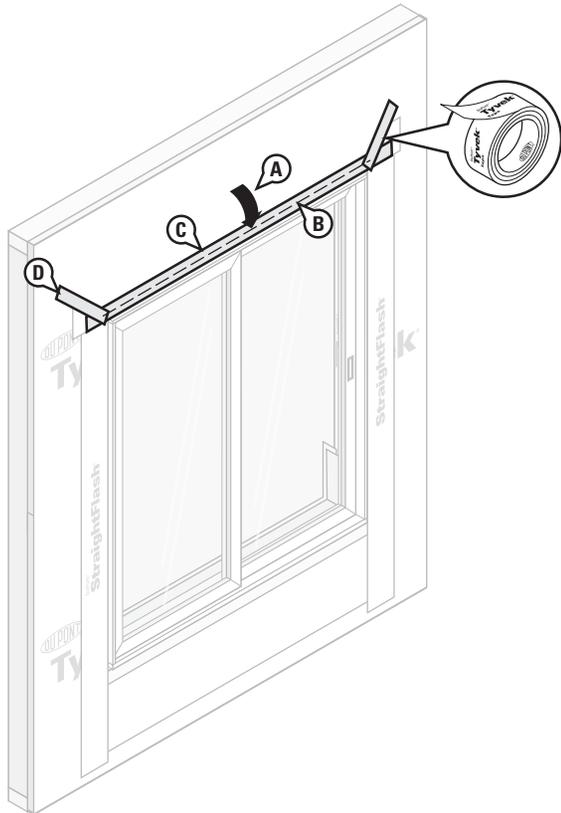
NOTE: Ensure proper shingling. DuPont™ StraightFlash™ or DuPont™ Flashing Tape must overlap DuPont™ FlexWrap™ NF and adhere to the DuPont™ Tyvek® WRB.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 8

- Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
 - Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
 - At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- DO NOT TAPE** at bottom of door.
- Tape down diagonal seams of DuPont™ Tyvek® WRB.

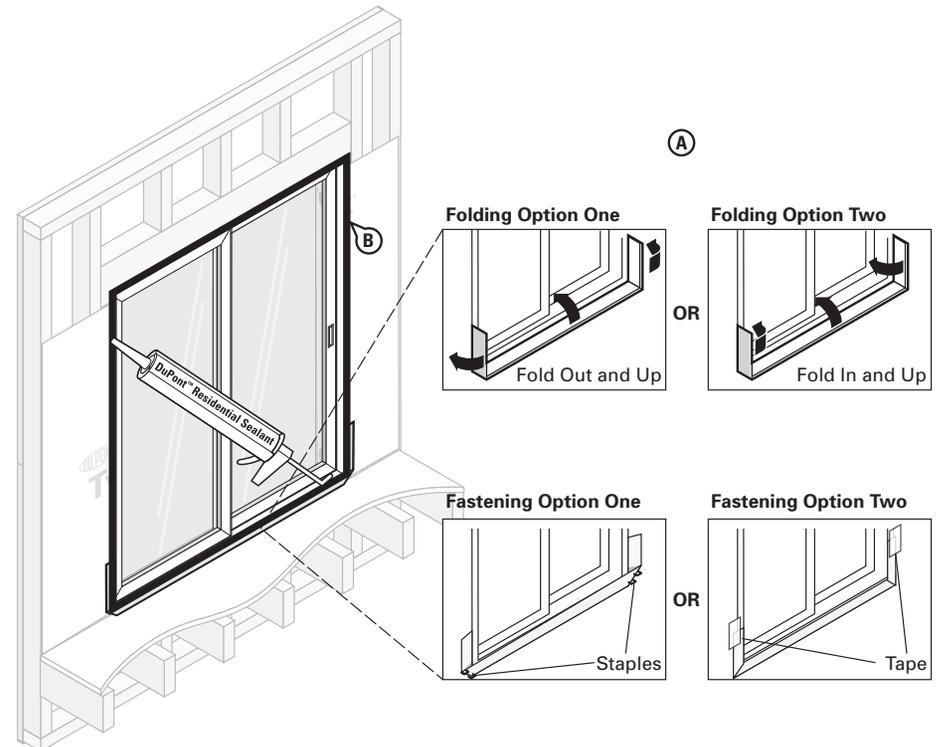


STEP 9

Final Step

- OPTIONAL:** When the interior flooring is ready to install, remove release paper and use Folding Option One or Two (shown below) to form back dam.
- Install DuPont™ Residential Sealant, or recommended sealant, (and backer rod as necessary) around the window opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap NF™ around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



Brick Mold Window AFTER DuPont™ Tyvek® WRB Is Installed

This method applies to the following products:

- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

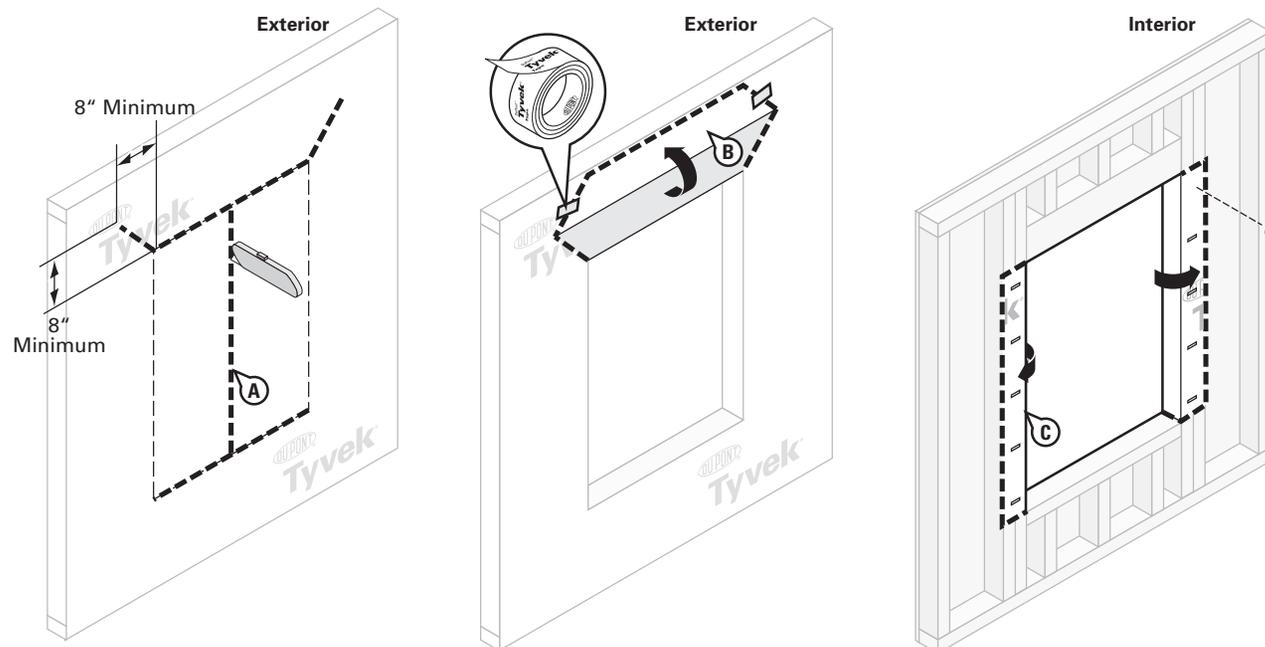
STEP 1

Prepare DuPont™ Tyvek® WRB for window installation:

- Make an “I-Cut” (Standard I-Cut in the DuPont™ Tyvek® WRB (modified I-Cut is also accepted). For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the window frame. From the center, cut straight down to the sill.
- Cut two 45 degree slits a minimum of 8” extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

NOTE: Some windows and flashing widths may require longer slits.

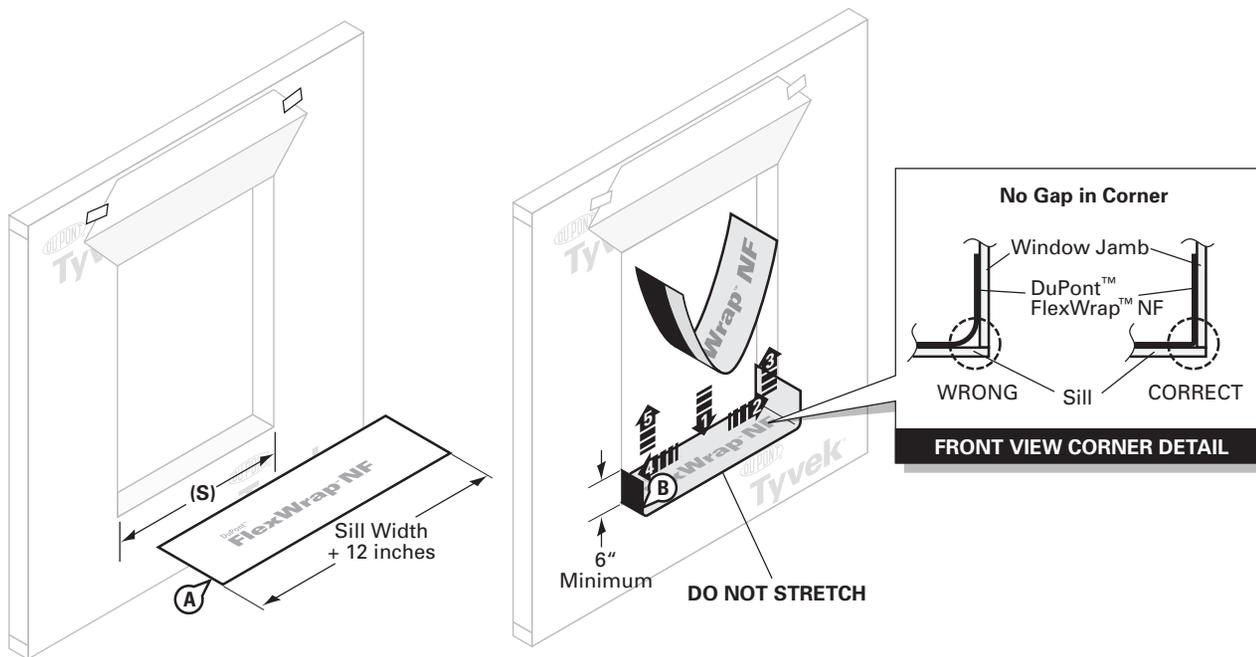
- Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 2

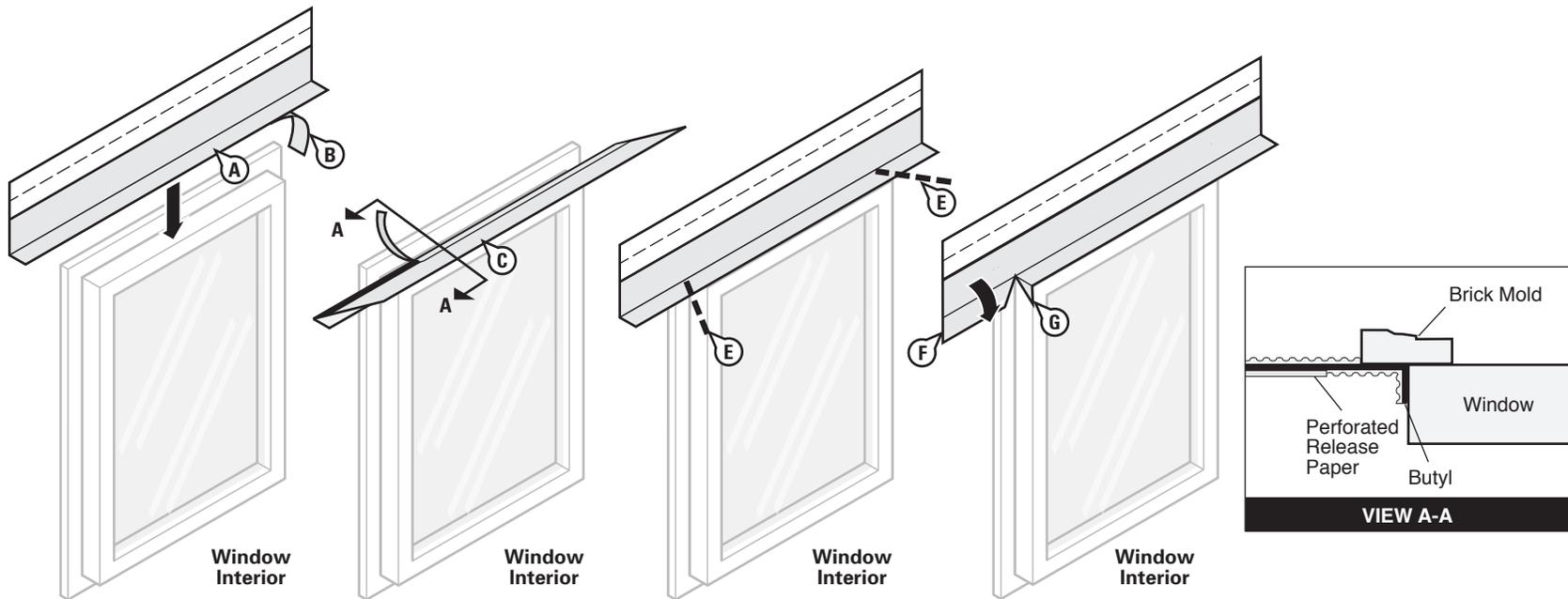
- A. Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of rough opening sill (S).
- B. Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6" on each side).
- C. Remove second release paper.
- D. Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 3

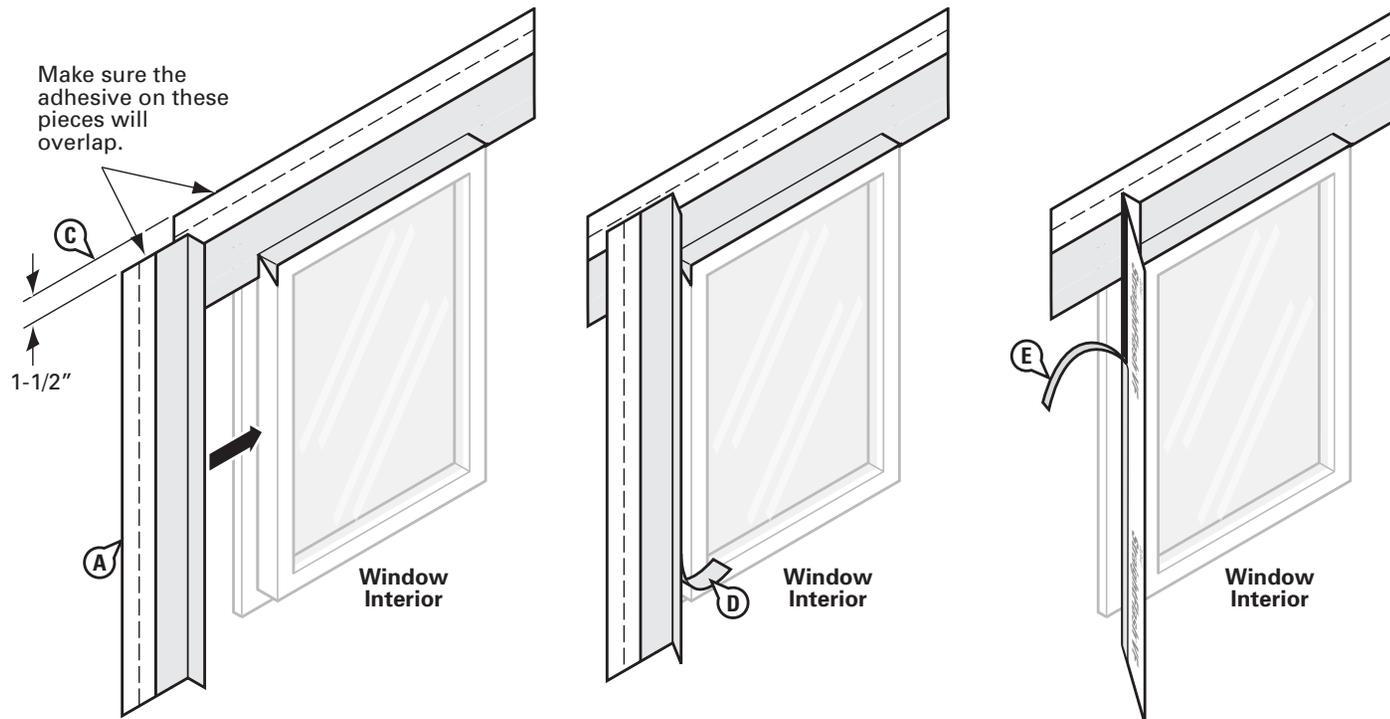
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one side of the head flashing by folding it back and forth upon itself.
- C. Center the DuPont™ StraightFlash™ VF on the window head and position so that it contacts the window frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.
- D. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
- E. Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle.
- F. Fold the newly created flashing flap down flat against the brick mold or flange.
- G. Fold remaining head flashing flaps down and adhere to the jamb frame.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 4

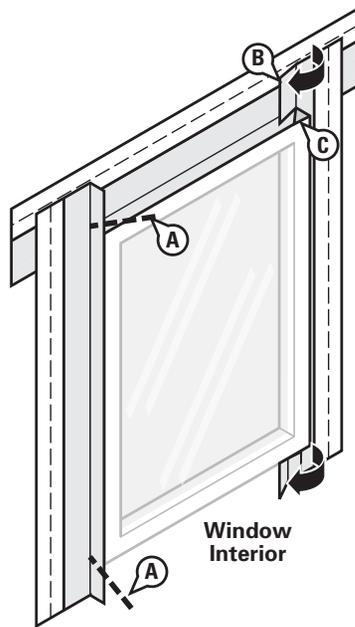
- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb.
- B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
- C. Position so that the DuPont™ StraightFlash™ VF contacts the window frame and interior side of the brick mold or flange. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one-inch.**
- D. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.
- E. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
- F. Repeat on opposite jamb.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

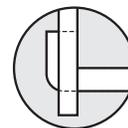
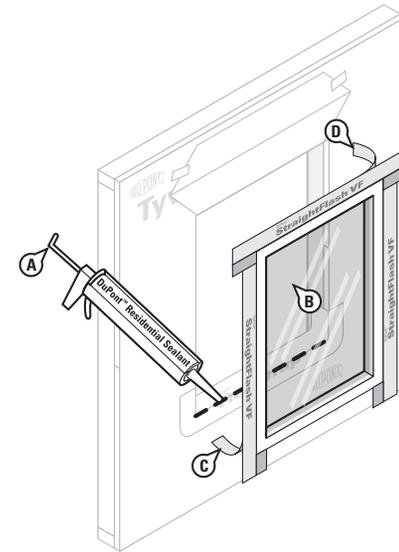
STEP 5

- Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle. Repeat this procedure at the junction of the sill and jamb.
- Fold cut jamb, sill and head corners flashing parallel to the window frame so that the jamb flashing lies flat.
- Fold the newly created jamb flashing flaps down at all corners and adhere to the window frame.

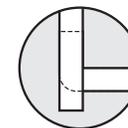


STEP 6

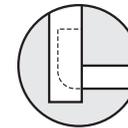
- If sealant is applied to the sill, ensure that there are two (2) 2" gaps in the sealant bead for every 4' of window to allow for drainage using DuPont™ Residential Sealant, or recommended sealant, as shown below.
- Install the window per manufacturer's instructions.
- Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.
- Remove the release paper at the head and adhere it to the wall surface.



INCORRECT
DuPont™ FlexWrap™ NF
reverse flashed



INCORRECT
DuPont™ StraightFlash™
flush with DuPont™
FlexWrap™ NF



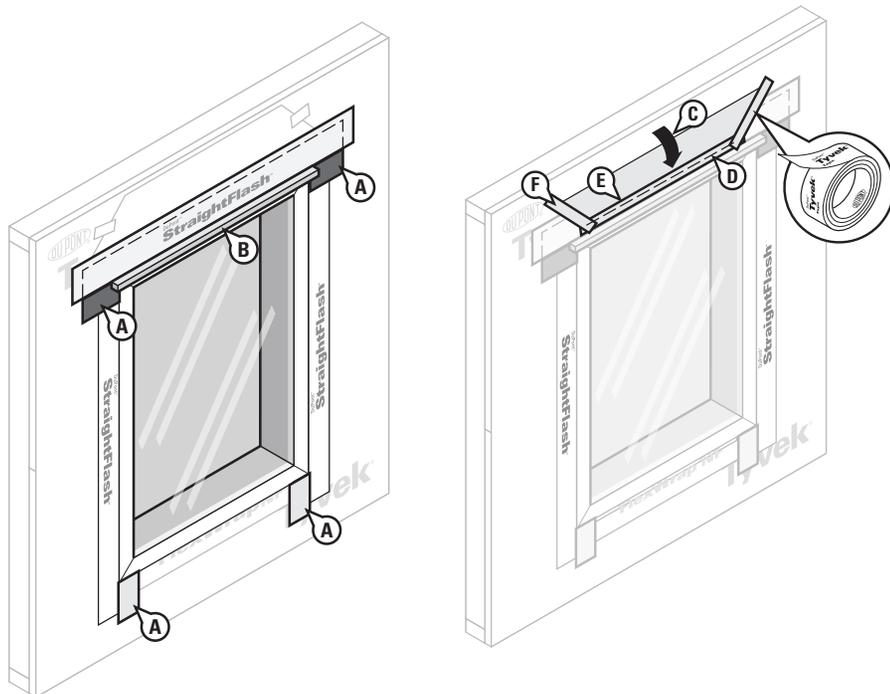
CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

NOTE: Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ NF and adhere to the substrate.

DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 7

- A. **OPTIONAL:** Cover exposed butyl with DuPont™ StraightFlash™, DuPont™ Flashing Tape or DuPont™ Tyvek® Tape.
- B. **OPTIONAL:** Cut a piece of metal or vinyl drip cap slightly **LONGER** than the width of the window and place a bead of DuPont™ Residential Sealant, or recommended sealant, on the rear side. Install the drip cap tight against the window head and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- C. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
- D. Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
- E. Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- F. Tape down diagonal seams of DuPont™ Tyvek® WRB.

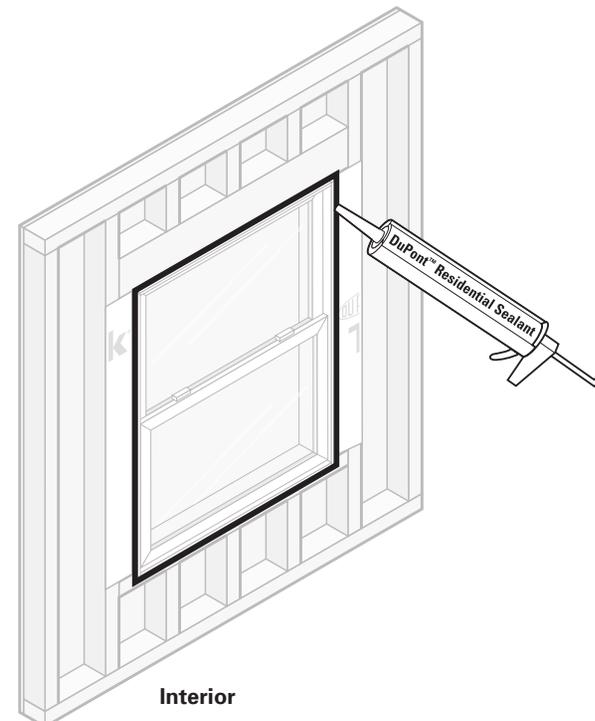


STEP 8

Final Step

Install DuPont™ Residential Sealant, or recommended sealant, (and backer rod as necessary) around the window opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap NF™ around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



Brick Mold Door AFTER DuPont™ Tyvek® WRB Is Installed

This installation guide is intended for doors installed above grade and/or with wood floor construction.

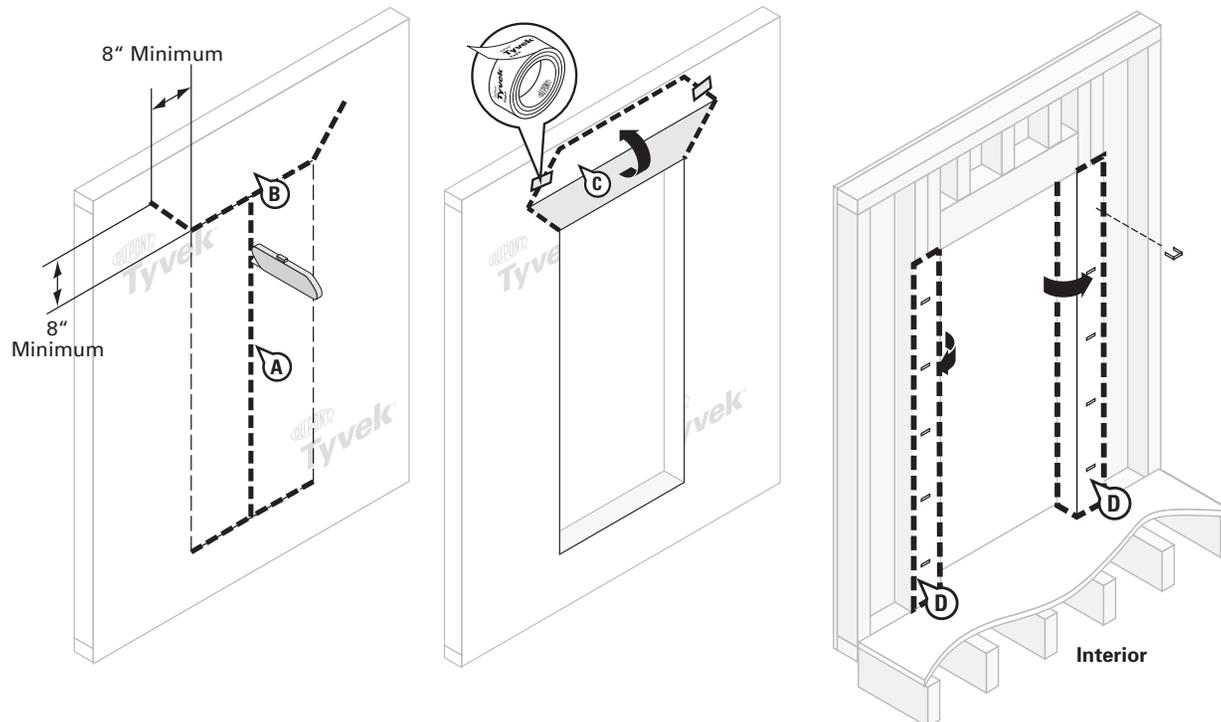
This method applies to the following products:

- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ FlexWrap™ NF, and DuPont™ Flashing Tape

STEP 1

Prepare the DuPont™ Tyvek® WRB for door installation:

- Make an “I-Cut” (Standard I-Cut) in the DuPont™ Tyvek® WRB. For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the door frame. From the center, cut straight down to the sill.
- Cut two 45 degree slits a minimum of 8” extending from the corner of the door head, up and away from door opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation (see step 8).
- NOTE:** Some doors and flashing widths may require longer slits.
- Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.
- Fold side flaps into rough opening, and secure to inside wall framing. Cut off excess flaps if desired.

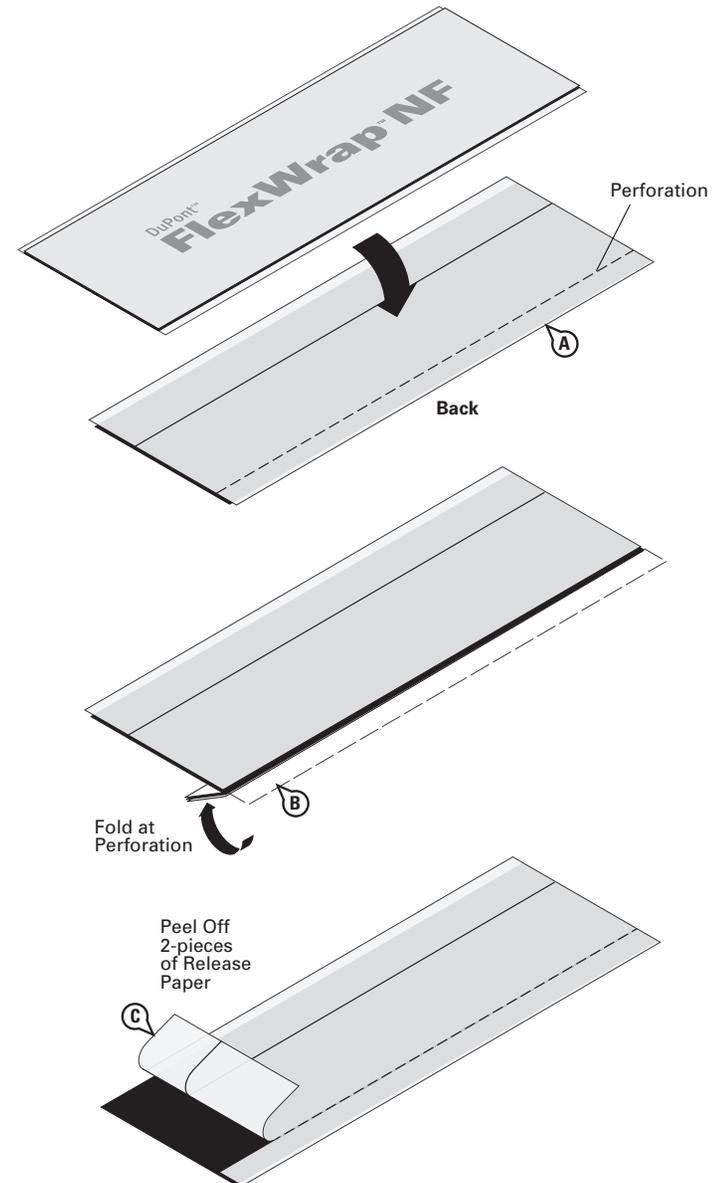
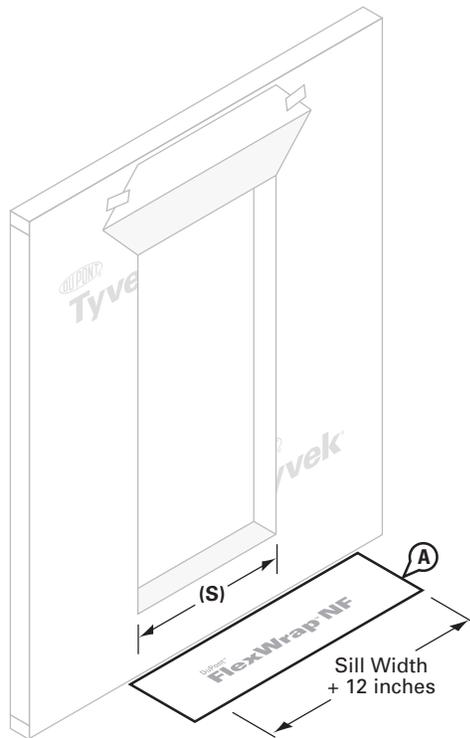


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 2

Preparation of sill flashing:

- A. Cut 9" DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of the sill (S).
- B. 9" DuPont™ FlexWrap™ NF has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
- C. Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.

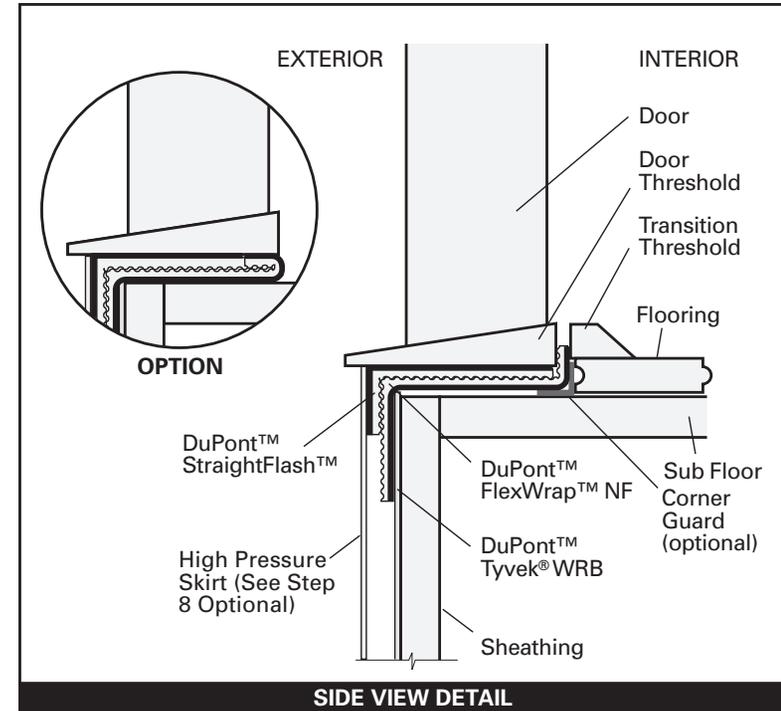
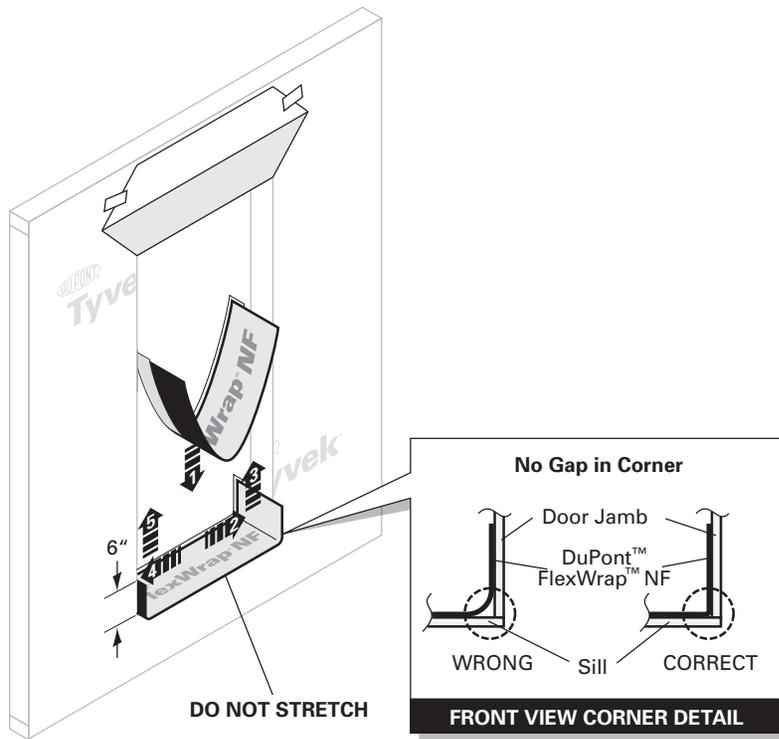


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 3 (OPTIONAL BACK DAM)

Install the sill flashing as indicated so the section with the release paper still attached extends past the door threshold on the inside. When the 1" of release paper is removed, the remaining section of DuPont™ FlexWrap™ NF can be used to form a back dam.

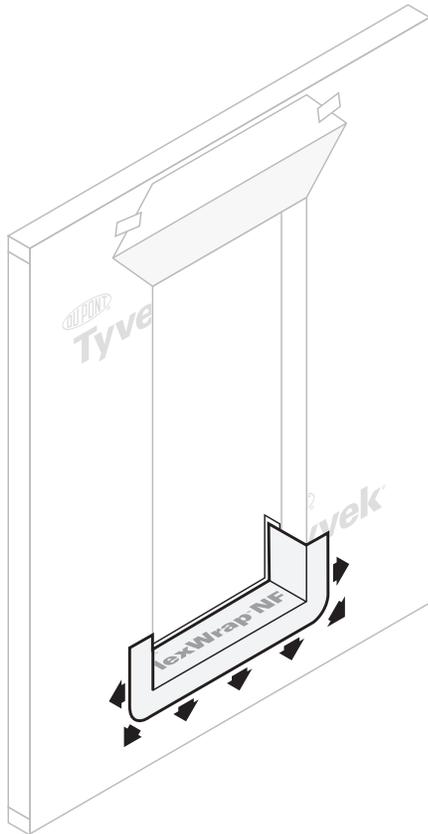
OPTION: Create back dam by folding back narrow section of DuPont™ FlexWrap™ NF: Some flooring cannot accommodate a back dam. In that case fold the 1" back dam on top of the 9" DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of 1" fold to create a back dam.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 4

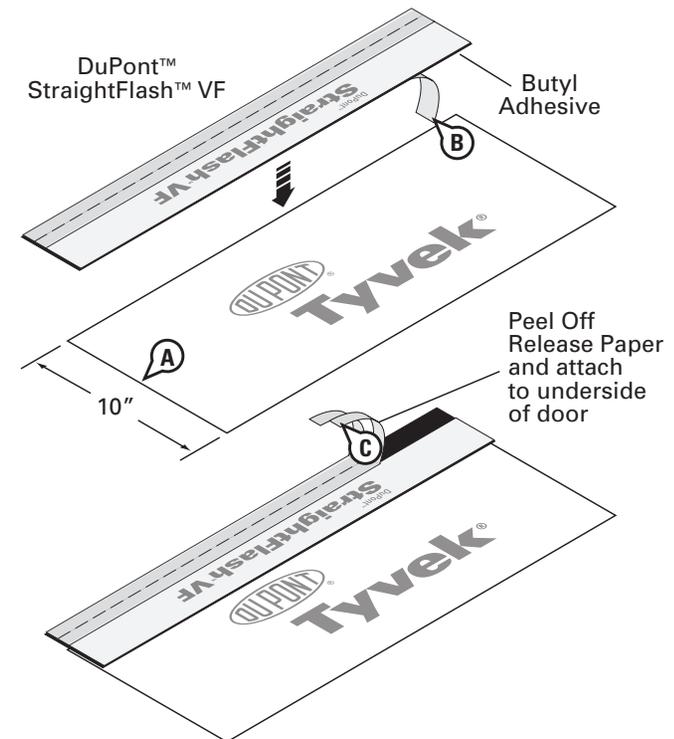
Fan DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



STEP 5 (OPTIONAL)

For extreme weather conditions, performance requirements exceeding ASTM E1677, or window/door design ratings of DP45 or greater, see General Instructions.

- Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door threshold opening and approximately 10" in height.
- Cut a 4" piece of DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™ to the same width as the skirt. Remove two pieces of release paper and adhere to the DuPont™ Tyvek® WRB.
- Remove the last pieces of release paper and attach the skirt to the underside of the door threshold. This skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.

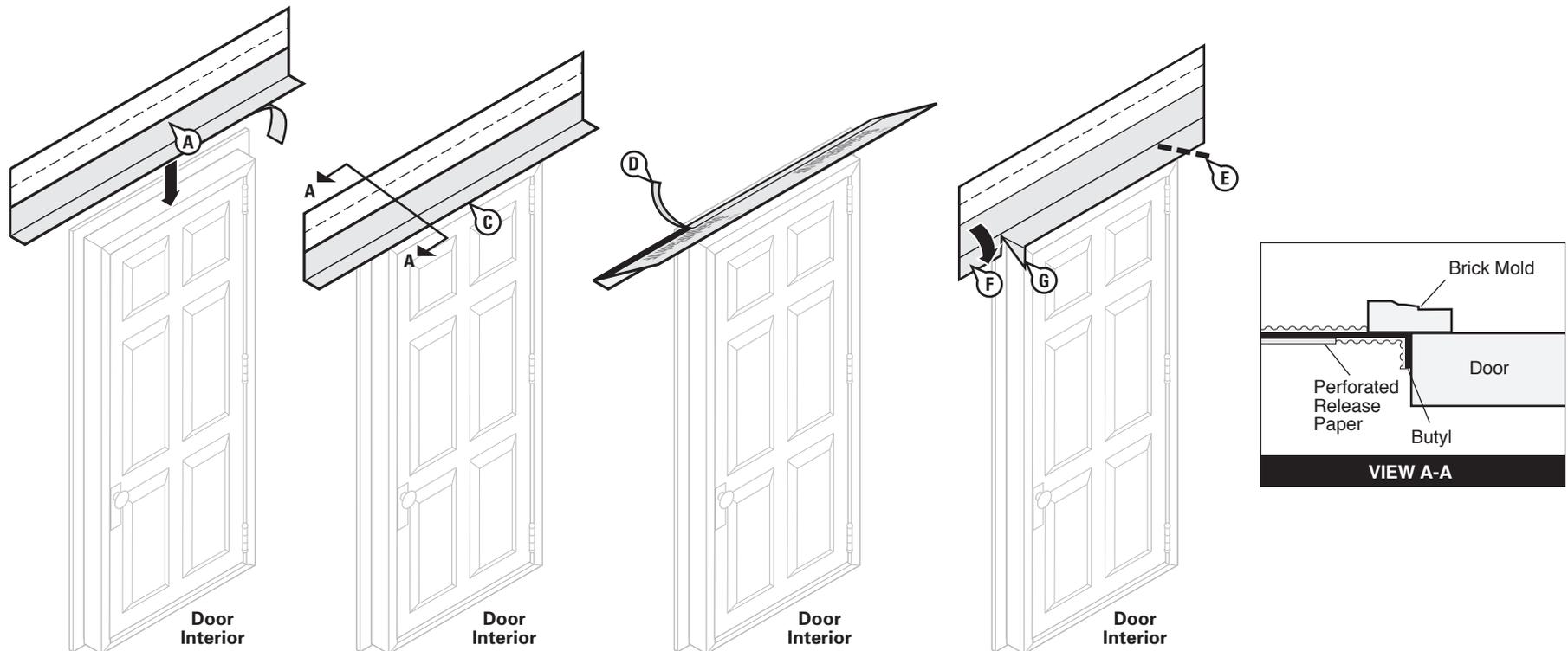


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

FOR BRICK MOLD

STEP 6

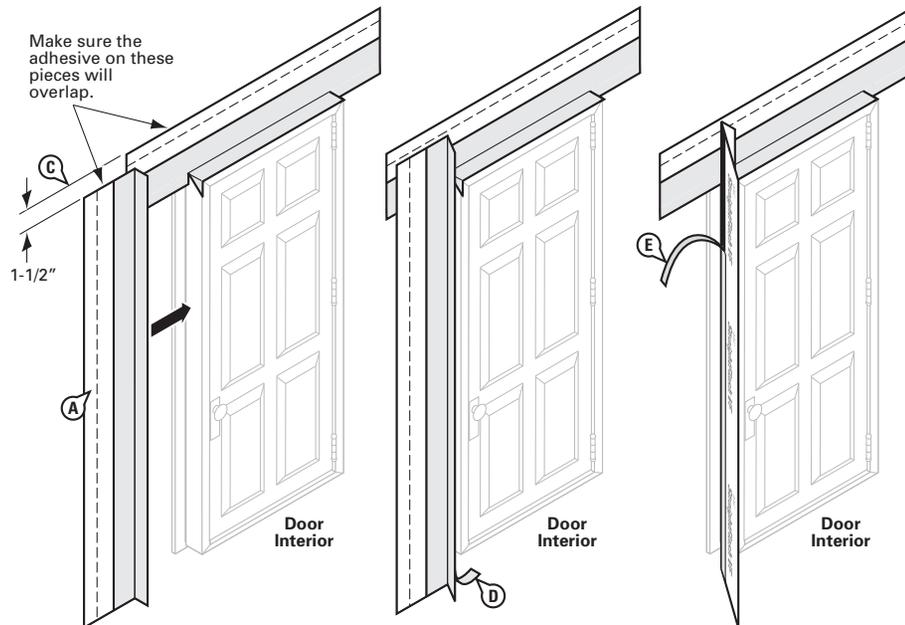
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one edge of the head flashing by folding it back and forth upon itself.
- C. Center the DuPont™ StraightFlash™ VF along the length of the door head and position so that it contacts the door frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.
- D. Remove the inner release paper strip and adhere the flashing to the back of the brick mold or flange.
- E. Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle.
- F. Fold the newly created flashing flap down flat against the brick mold or flange.
- G. Fold remaining head flashing flaps down onto the jamb frame.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

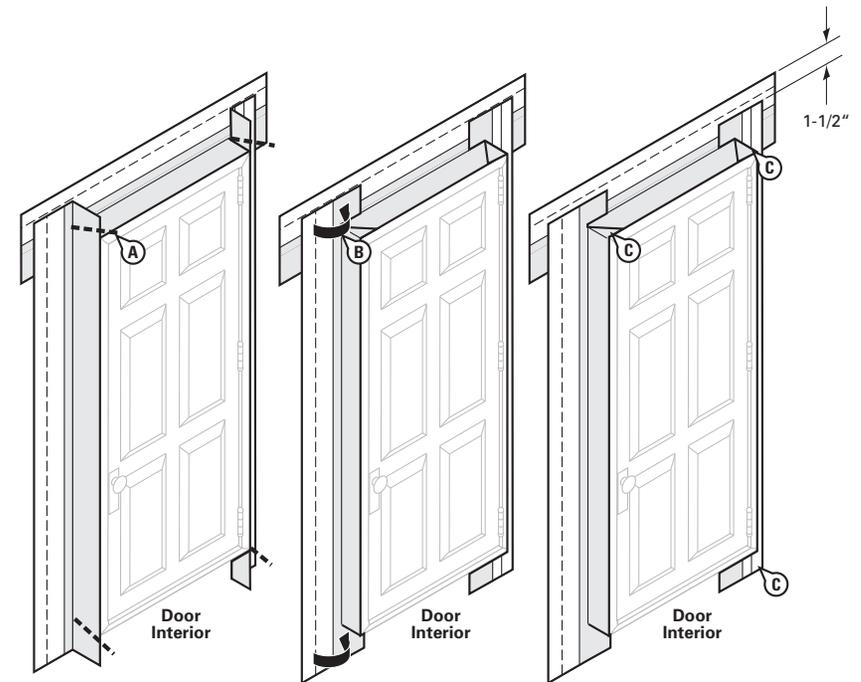
STEP 7

- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb.
- B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
- C. Position so that the DuPont™ StraightFlash™ VF contacts the door frame and interior side of the brick mold. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive by one inch.**
- D. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.
- E. Remove the inner release paper and adhere the flashing to the back of the brick mold.
- F. Repeat on for opposite jamb.



STEP 8

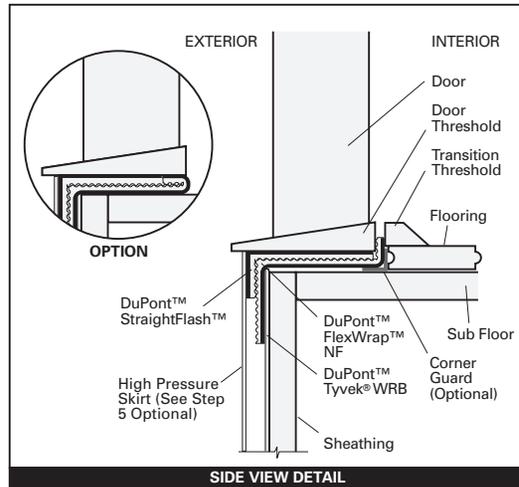
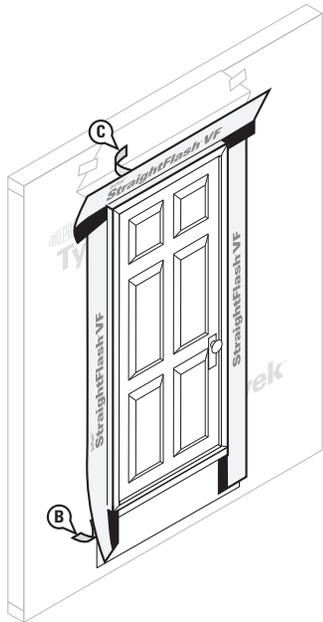
- A. Beginning at the junction of the jamb and head and beginning at the junction of the jamb and sill, and away from the corner, cut the DuPont™ StraightFlash™ VF along both corners at a 45° angle.
- B. Fold newly created flaps down flat against the head flashing.
- C. Fold newly created flaps down onto the head and sill of door frame.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 9

- A. Install door according to manufacturer's installation instructions.
- B. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.
- C. Remove the release paper at the head and adhere it to the wall surface.
- D. **OPTION: Create back dam by folding back narrow section of DuPont™ FlexWrap™ NF:** Cover exposed butyl with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.

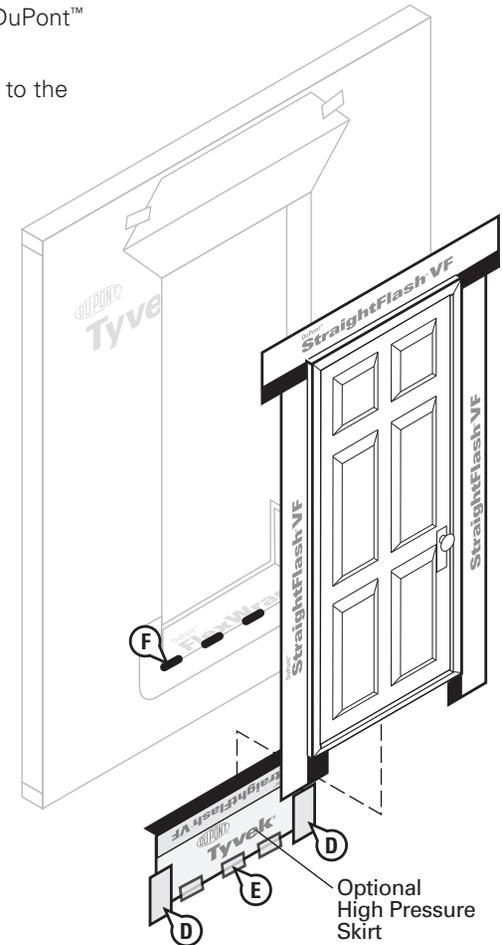
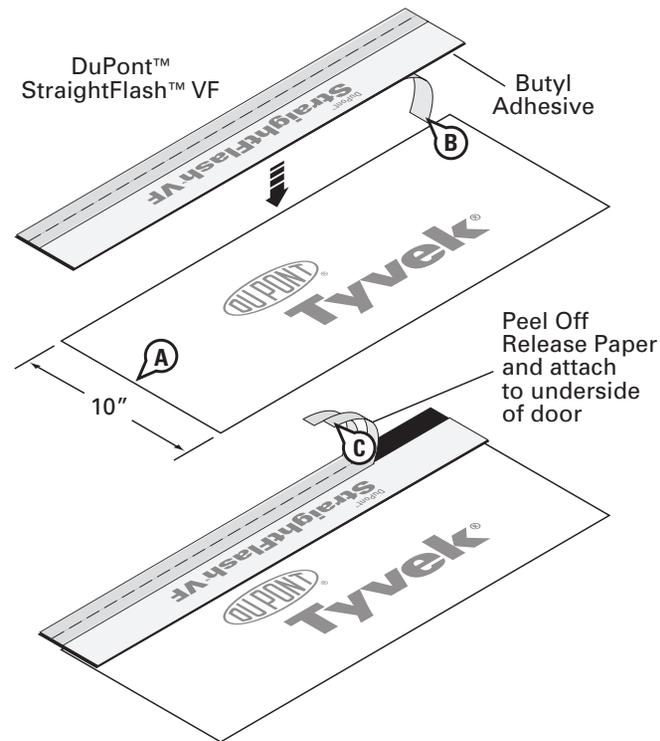


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 10 (OPTIONAL) - HIGH PRESSURE SKIRT (Completing installation of flashing for brick mold door)

For extreme weather conditions, performance requirements exceeding ASTM E1677, or window/door design ratings of DP45 or greater, see General Instructions.

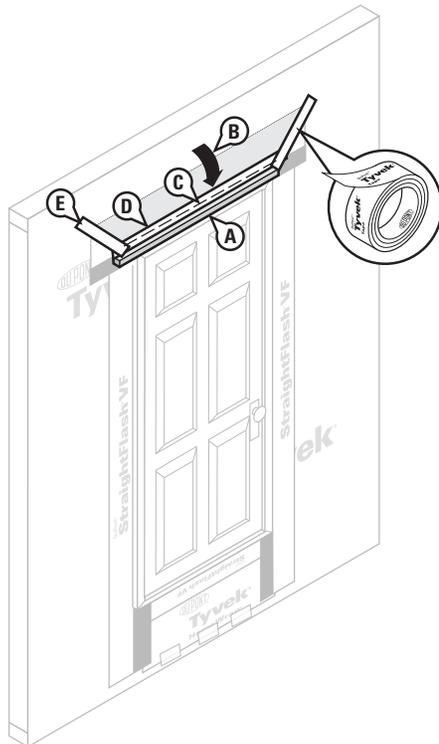
- A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door opening and approximately 10" in height.
- B. Cut a piece of DuPont™ StraightFlash™ VF to the same width of skirt. Remove release paper from one side of DuPont™ StraightFlash™ VF and adhere to DuPont™ Tyvek® WRB. The skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.
- C. Remove the release paper from the other side of DuPont™ StraightFlash™ VF and adhere the butyl adhesive at the sill skirt to the underside of the door threshold behind the jamb flashing.
- D. Secure edges of the optional skirt with two 4" pieces of DuPont™ StraightFlash™.
- E. Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.
- F. If sealant is applied to the threshold, ensure that there are at least two (2) 2" gaps in the sealant bead to allow for drainage for every 4' of door using DuPont™ Residential Sealant, or recommended sealant.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 11 (RECOMMENDED BEST PRACTICE)

- A. **OPTIONAL:** Cut a piece of metal or vinyl drip cap 1/8" **LONGER** than the width of the door and bend down edges. Place a bead of DuPont™ Residential Sealant, or recommended sealant, on the rear side. Install the drip cap tight against the door head and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- B. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
- C. Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
- D. Tape seams as shown. **DO NOT TAPE** at bottom of door. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape; if an air barrier is not required or if additional drainage is desired. Skip-taping at the head is acceptable.
- E. Tape down diagonal seams of DuPont™ Tyvek® WRB.

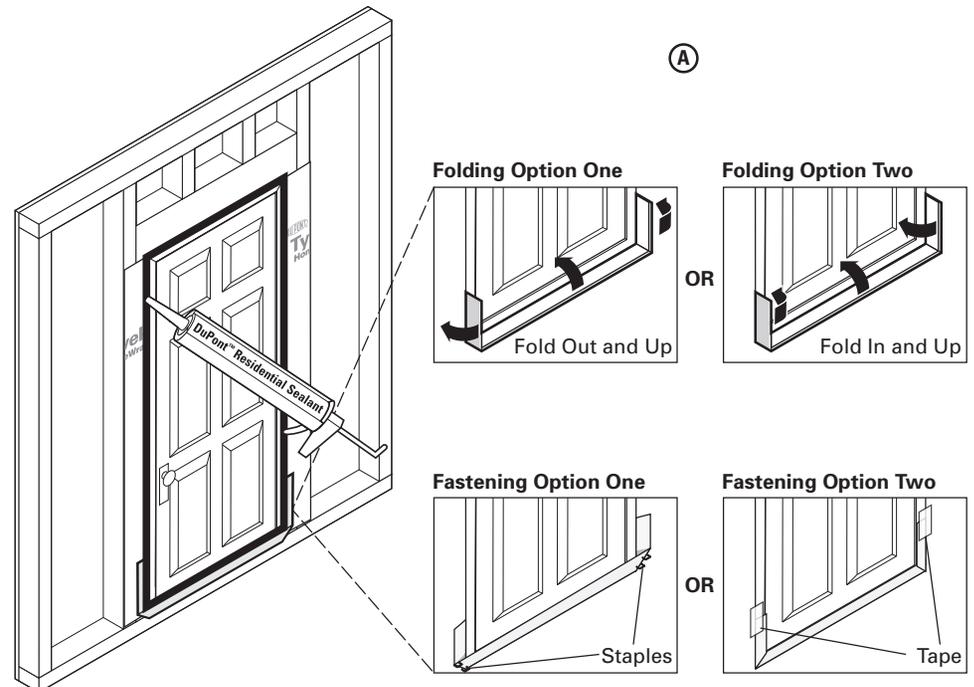


STEP 12

Final Step

- A. When the interior flooring is ready to install, remove release paper and use Folding Option One or Two to form back dam.
- B. Install DuPont™ Residential Sealant, DuPont™ or recommended sealant, (and backer rod as necessary) around the door opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap™ NF around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



Field Applied Flanged Window AFTER DuPont™ Tyvek® WRB Is Installed

This installation guide can also be used for windows with field applied nailing fins and non-flanged windows. Ensure DuPont™ StraightFlash™ VF logo side faces the exterior.

This method applies to the following products:

- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ FlexWrap™ NF, and DuPont™ Flashing Tape

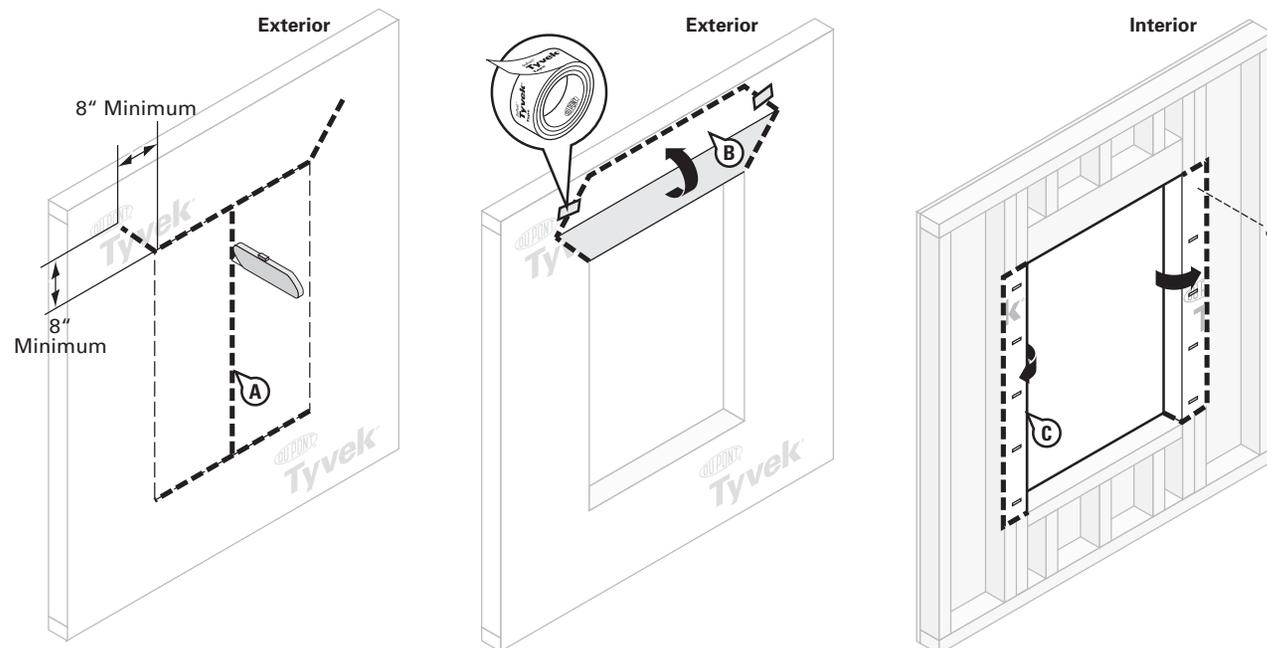
STEP 1

Prepare the DuPont™ Tyvek® WRB for window installation:

- Make an "I-Cut" (Standard I-Cut) in the DuPont™ Tyvek® WRB (modified I-Cut is also accepted). For an "I-Cut", begin with a horizontal cut across the bottom and the top of the window frame. From the center, cut straight down to the sill.
- Cut two 45 degree slits a minimum of 8" extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

NOTE: Some windows and flashing widths may require longer slits.

- Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 2

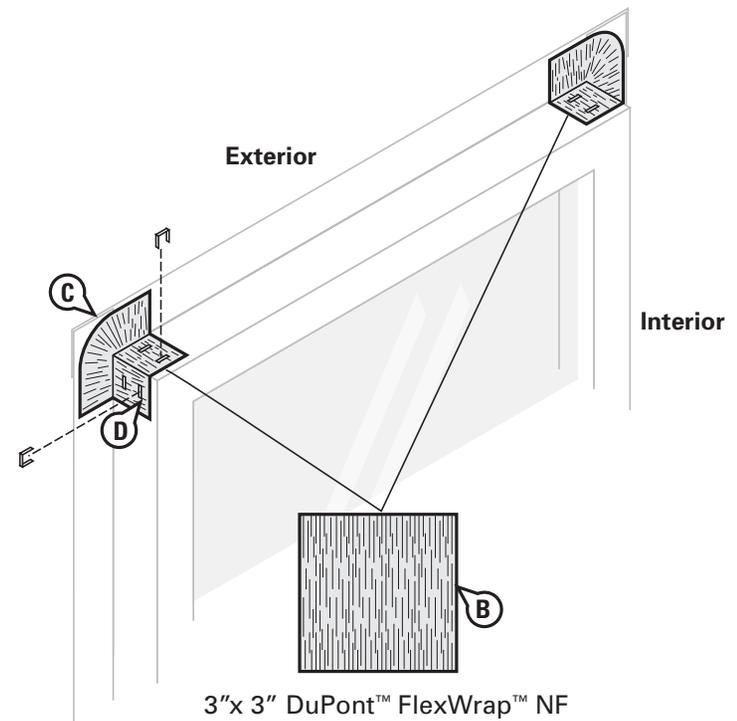
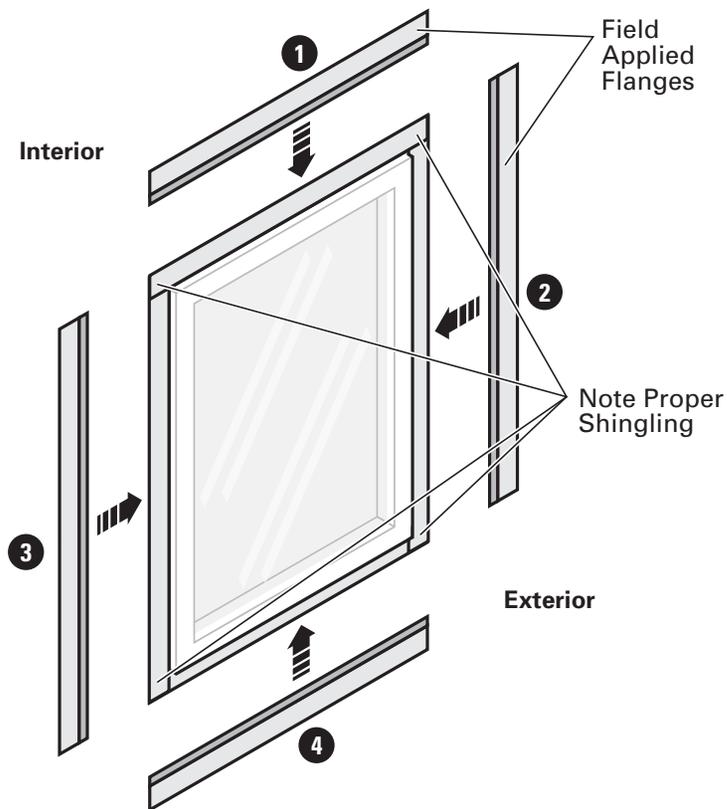
A. Apply field applied flanges in the correct shingling fashion per manufacturer's installation instructions.

DO NOT REVERSE SHINGLE.

B. Cut 3" x 3" piece of DuPont™ FlexWrap™ NF.

C. Apply DuPont™ FlexWrap™ NF patches to back of flange corners before applying DuPont™ StraightFlash™ VF.

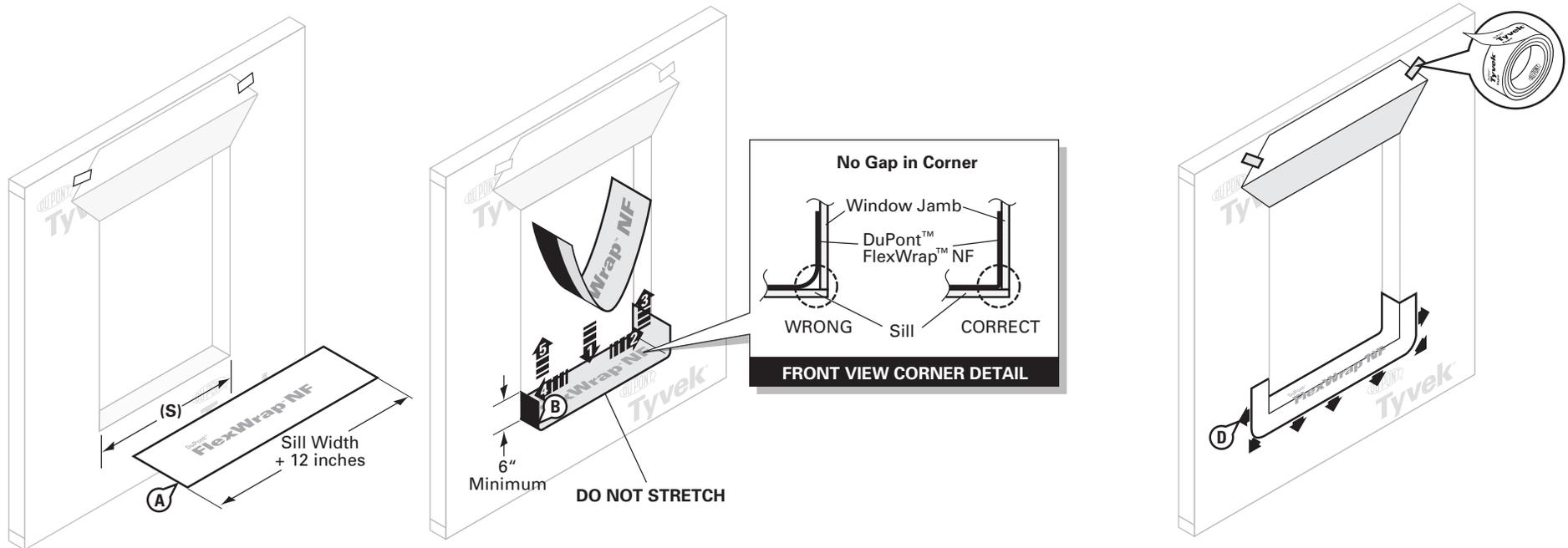
D. Staple patches in corners and secure to wooden head and jambs.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 3

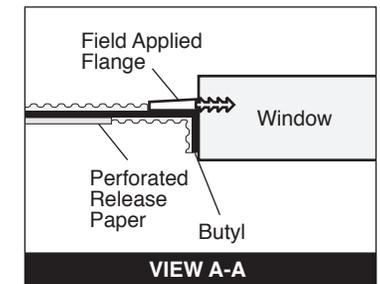
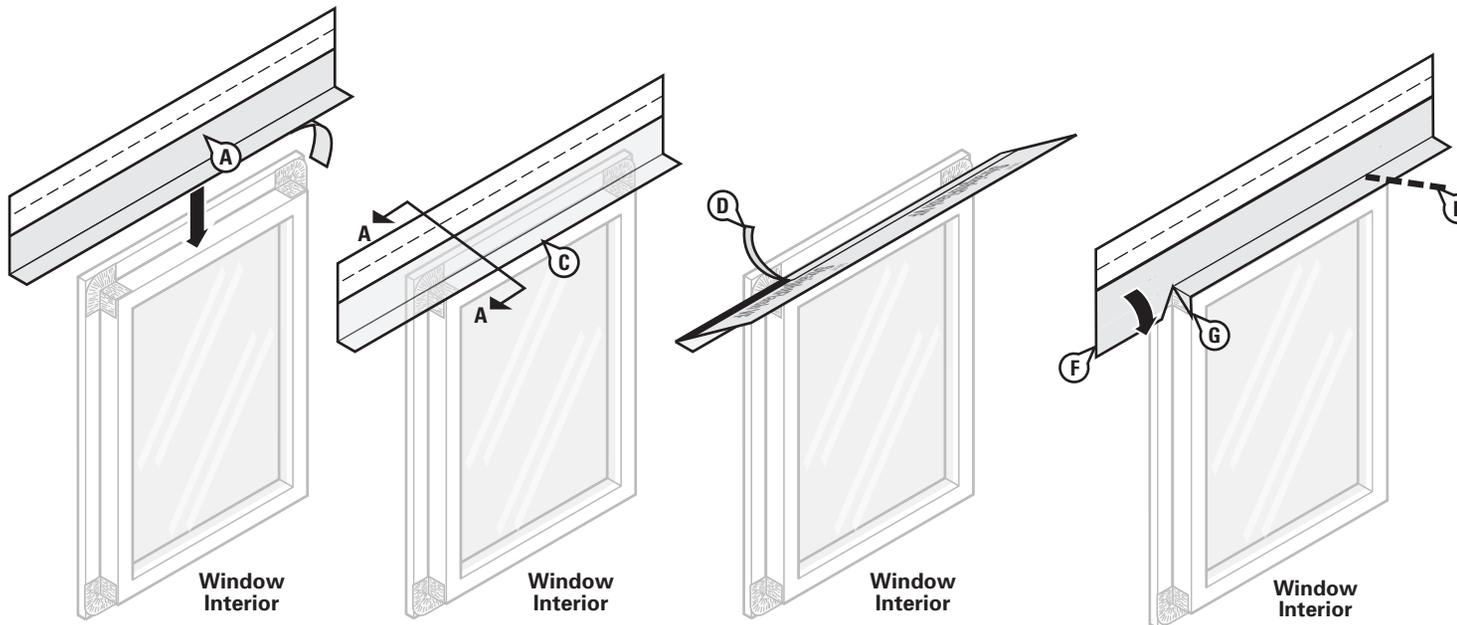
- Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of rough opening sill (S).
- Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6" on each side).
- Remove second release paper.
- Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 4

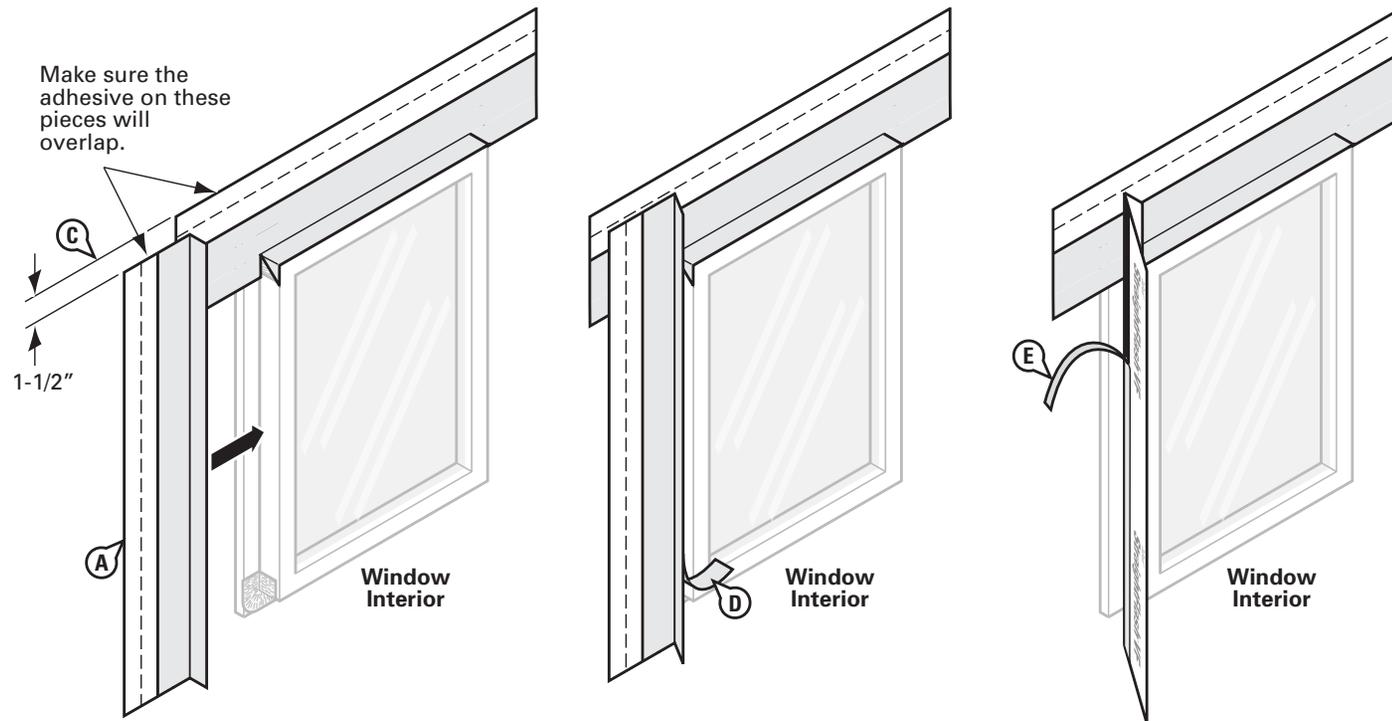
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one side of the head flashing by folding it back and forth upon itself.
- C. Center the DuPont™ StraightFlash™ VF on the window head and position so that it contacts the window frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.
- D. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
- E. Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle.
- F. Fold the newly created flashing flap down flat against the brick mold or flange.
- G. Fold remaining head flashing flaps down onto the jamb frame.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 5

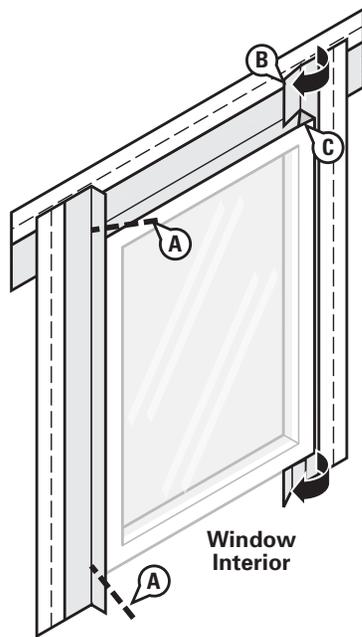
- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb.
- B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
- C. Position so that DuPont™ StraightFlash™ VF contacts the window frame and interior side of the brick mold or flange. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one inch.**
- D. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.
- E. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
- F. Repeat on opposite jamb.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

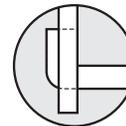
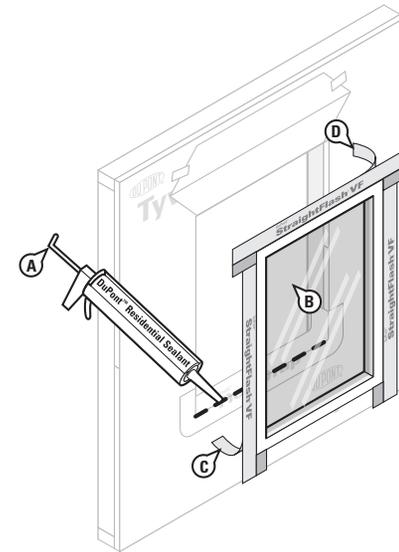
STEP 6

- Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle. Repeat this procedure at the junction of the sill and jamb.
- Fold cut jamb, sill and head corners flashing parallel to the window frame so that the jamb flashing lies flat.
- Fold the remaining flaps down at corner and adhere to the window frame.

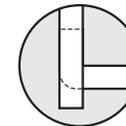


STEP 7

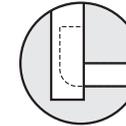
- If sealant is applied to the sill, ensure that there are two (2) 2" gaps in the sealant bead for every 4' of window to allow for drainage using DuPont™ Residential Sealant, or recommended sealant, as shown below.
- Install the window per manufacturer's instructions.
- Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.
- Remove the release paper at the head and adhere it to the wall surface.



INCORRECT
DuPont™ FlexWrap™ NF
reverse flashed



INCORRECT
DuPont™ StraightFlash™
flush with DuPont™
FlexWrap™ NF



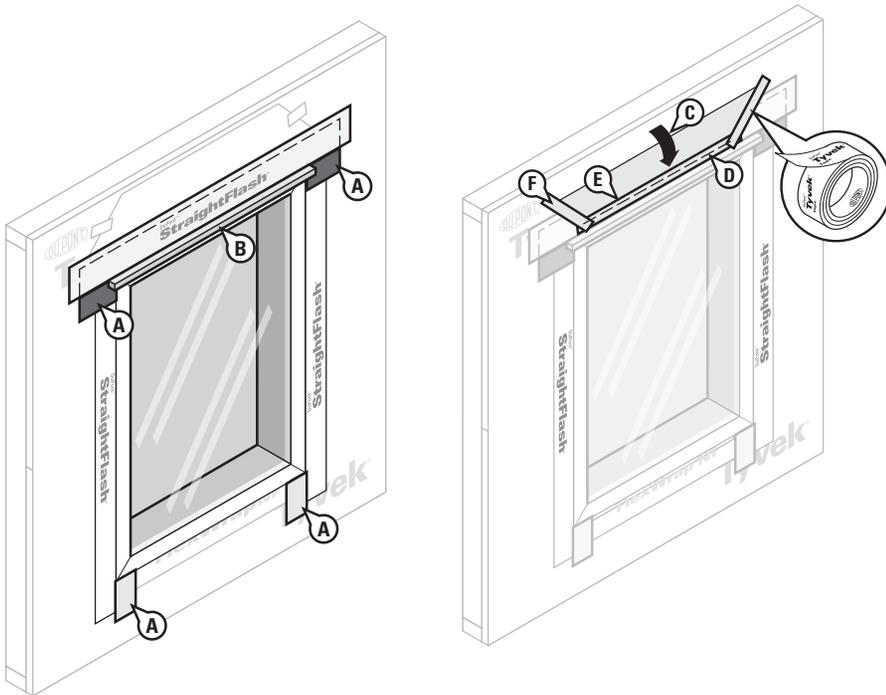
CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

NOTE: Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ NF and adhere to the substrate.

DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 8

- A. **OPTIONAL:** Cover exposed butyl with DuPont™ StraightFlash™, DuPont™ Flashing Tape or DuPont™ Tyvek® Tape.
- B. **OPTIONAL:** Cut a piece of metal or vinyl drip cap slightly **LONGER** than the width of the window and place a bead of DuPont™ Residential Sealant, or recommended sealant, on the rear side. Install the drip cap tight against the window head and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- C. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
- D. Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
- E. Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- F. Tape down diagonal seams of DuPont™ Tyvek® WRB.

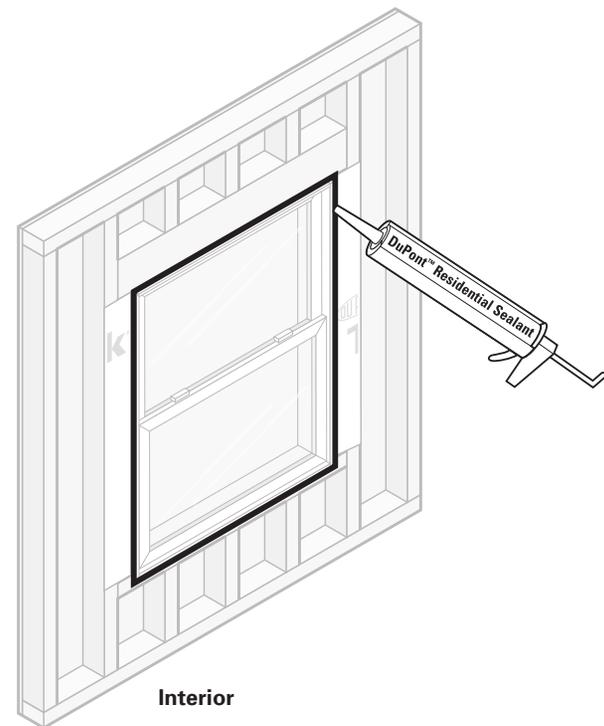


STEP 9

Final Step

Install DuPont™ Residential Sealant, or recommended sealant, (and backer rod as necessary) around the window opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap NF™ around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



Field Applied Flanged Door AFTER DuPont™ Tyvek® WRB Is Installed

This installation guide is intended for doors installed above grade and/or with wood floor construction.

This method applies to the following products:

- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

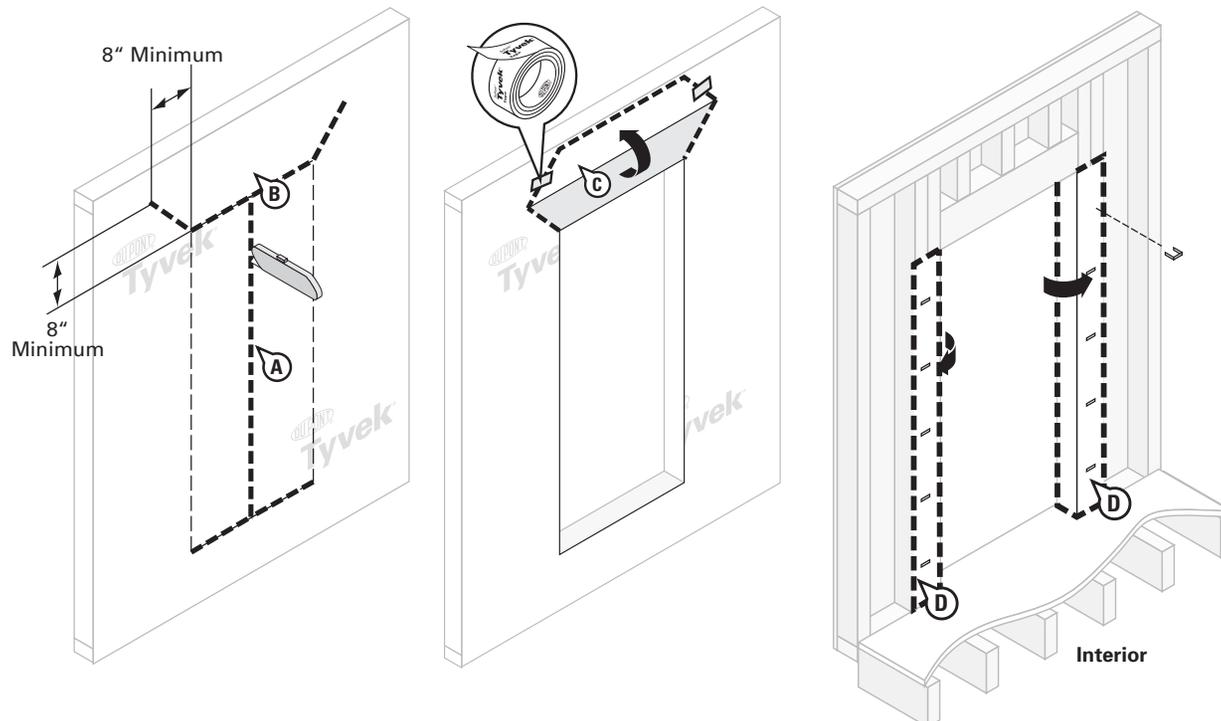
STEP 1

Prepare the DuPont™ Tyvek® WRB for door installation:

- Make an "I-Cut" (Standard I-Cut) in the DuPont™ Tyvek® WRB. For an "I-Cut", begin with a horizontal cut across the bottom and the top of the door frame. From the center, cut straight down to the sill.
- Cut two 45 degree slits a minimum of 8" extending from the corner of the door head, up and away from door opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation (see step 8).

NOTE: Some doors and flashing widths may require longer slits.

- Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.
- Fold side flaps into rough opening, and secure to inside wall framing. Cut off excess flaps if desired.

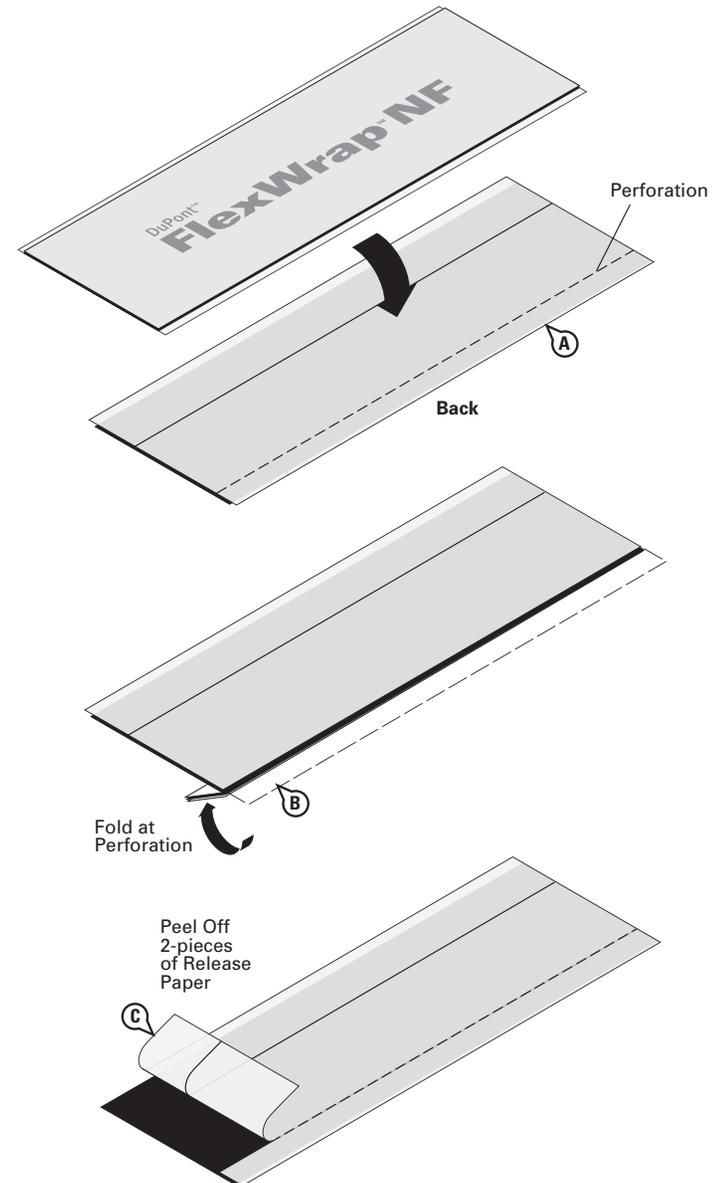
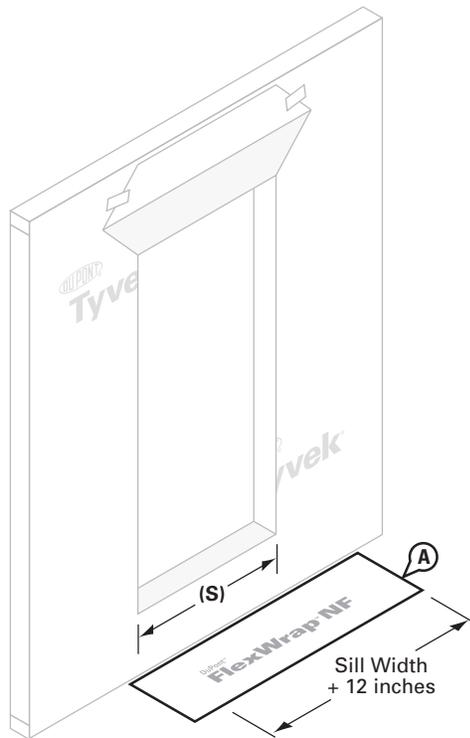


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 2

Preparation of sill flashing:

- A. Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of the sill (S).
- B. 9" DuPont™ FlexWrap™ NF has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
- C. Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.



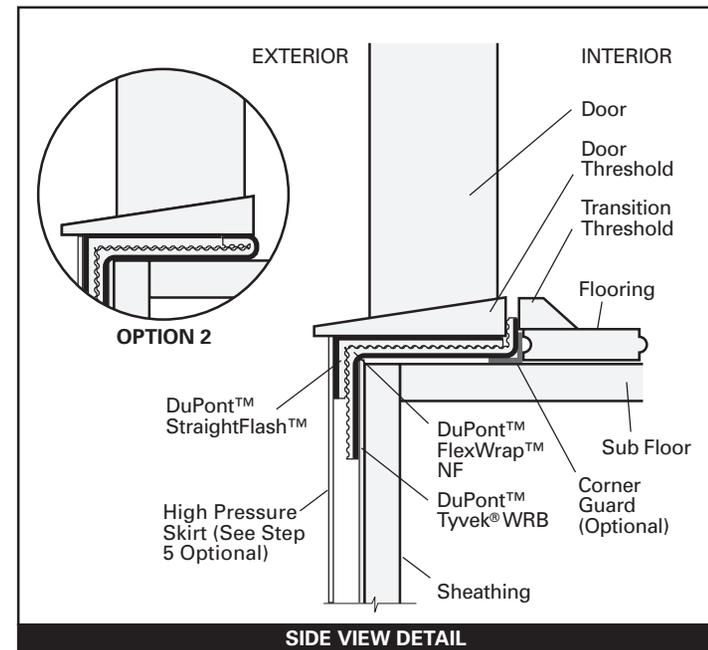
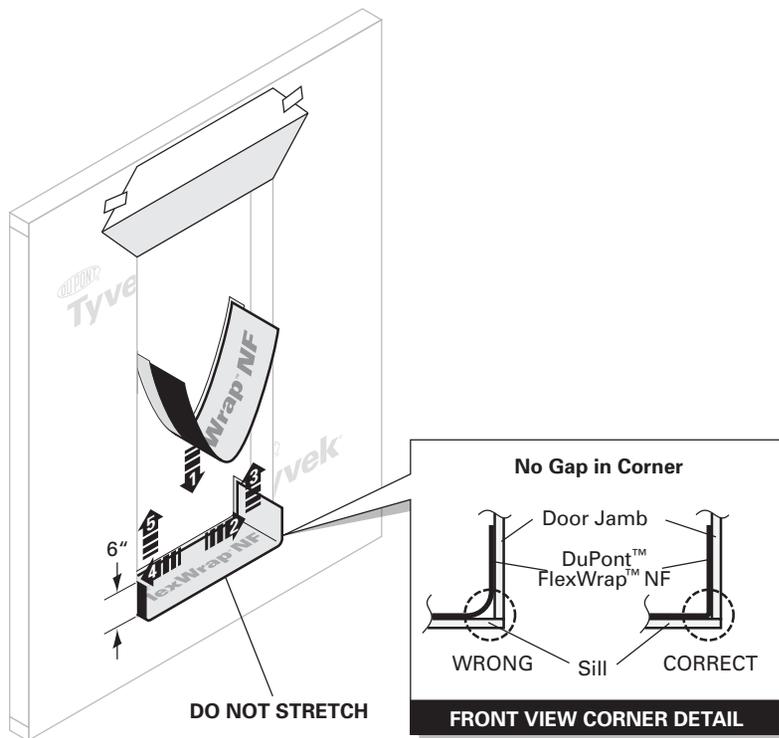
DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 3 (OPTIONAL BACK DAM)

Install the sill flashing as indicated so the section with the release paper still attached extends past the door threshold on the inside. When the narrow release paper is removed, the remaining section of DuPont™ FlexWrap™ NF can be used to form a back dam.

OPTION 2: Create back dam by folding back narrow section of DuPont™

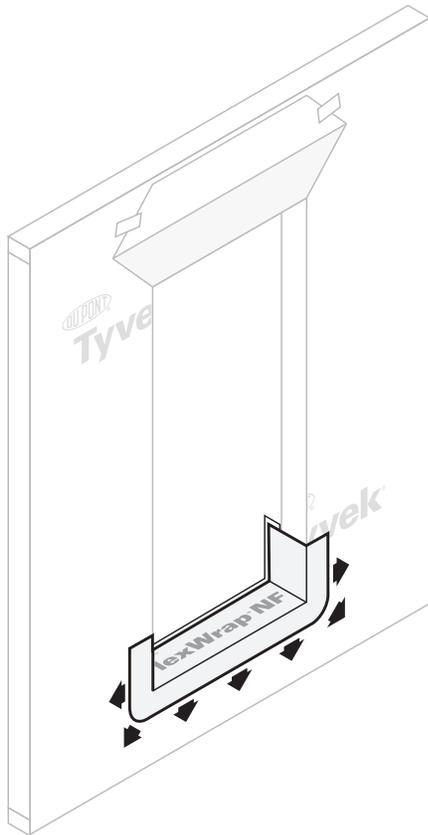
FlexWrap™ NF: Some flooring cannot accommodate a back dam. In that case fold the back dam on top of 9" DuPont™ FlexWrap™ NF in the sill. The door will be installed on top of 1" fold to create a back dam (see Side View Detail below).



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 4

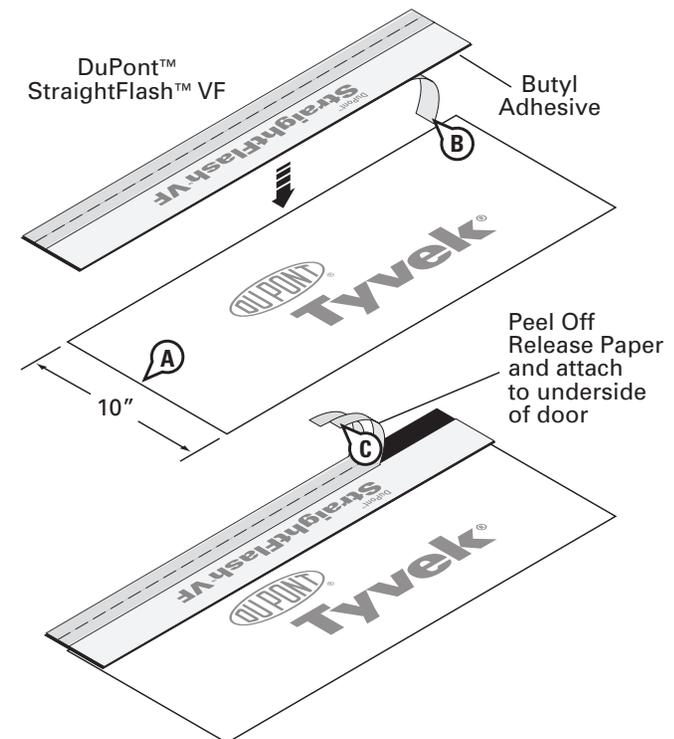
Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



STEP 5 (OPTIONAL)

For extreme weather conditions, performance requirements exceeding ASTM E1677, or window/door design ratings of DP45 or greater, see *General Instructions*.

- Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door threshold opening and approximately 10" in height.
- Cut a 4" piece of DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™ to the same width as the skirt. Remove two pieces of release paper and adhere to the DuPont™ Tyvek® WRB.
- Remove the last pieces of release paper and attach the skirt to the underside of the door threshold. This skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.



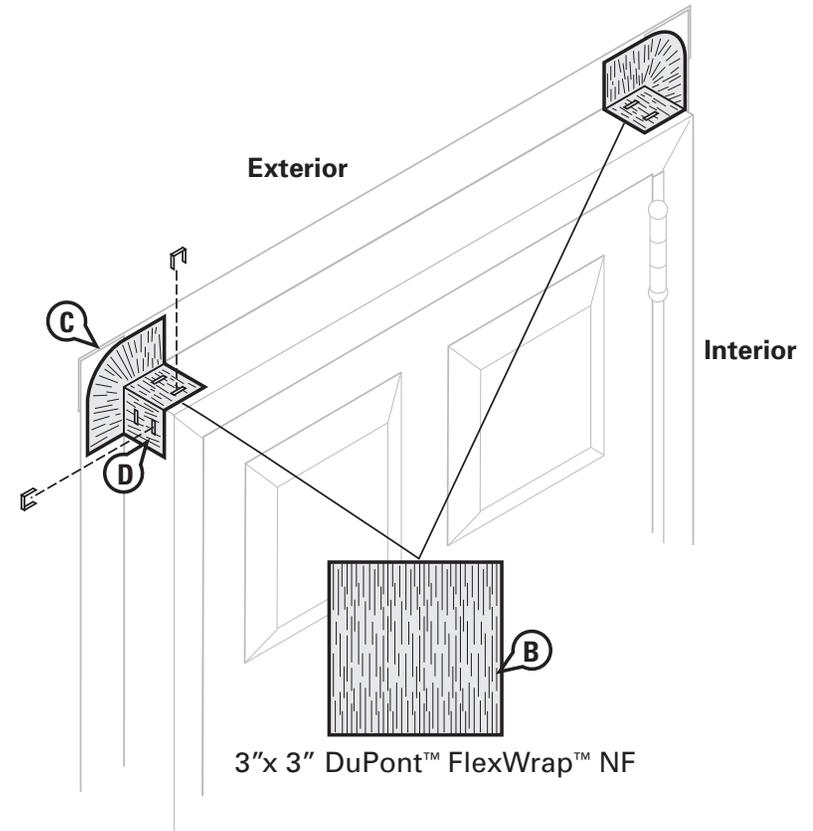
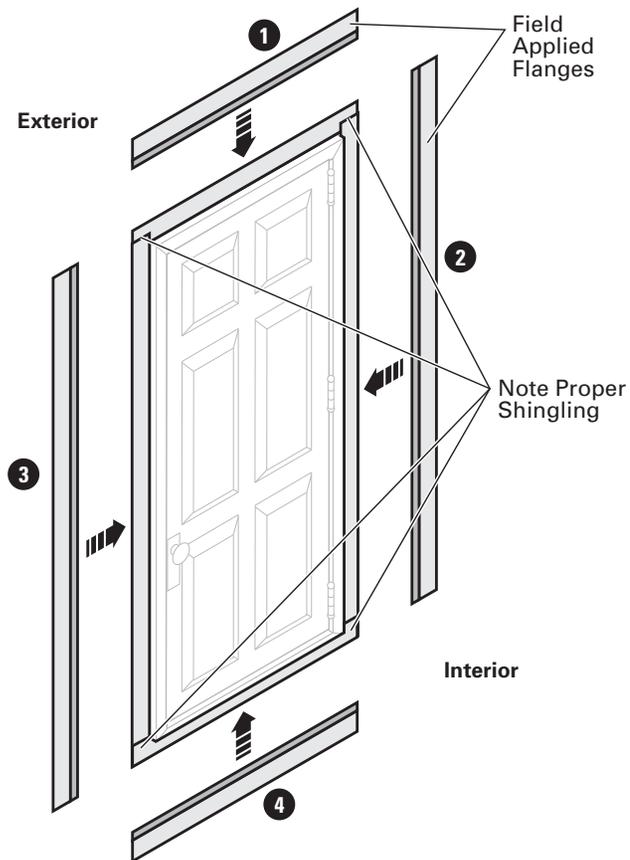
DuPont™ Self-Adhered Flashing Systems Installation Guidelines

FOR FIELD APPLIED FLANGED DOORS ONLY

STEP 6

NOTE: Not Applicable for Brick Mold or Non-Flanged Doors

- A. Apply field applied flanges in the correct shingling fashion as per manufacturer's installation instructions. **DO NOT REVERSE SHINGLE.**
- B. Cut four 3"x 3" pieces of DuPont™ FlexWrap™ NF.
- C. Apply DuPont™ FlexWrap™ NF patches to back of flange corners before applying DuPont™ StraightFlash™ VF.
- D. Staple patches in corners and secure to wooden head and jambs.
- E. Once corner patches are installed complete door installation starting at Step 7. Continue with Step 7 on next page.

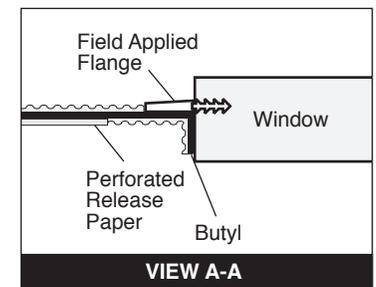
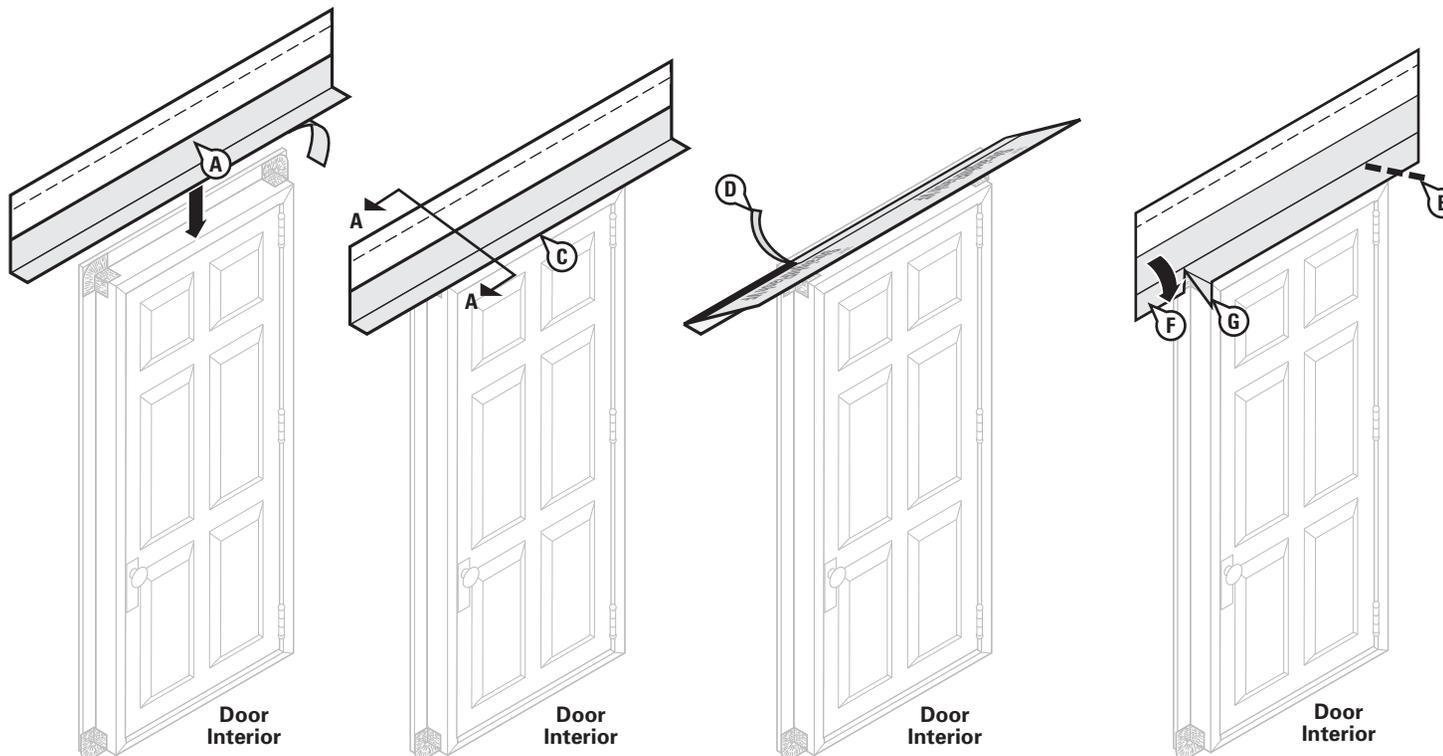


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

FOR FIELD APPLIED FLANGED DOORS

STEP 7

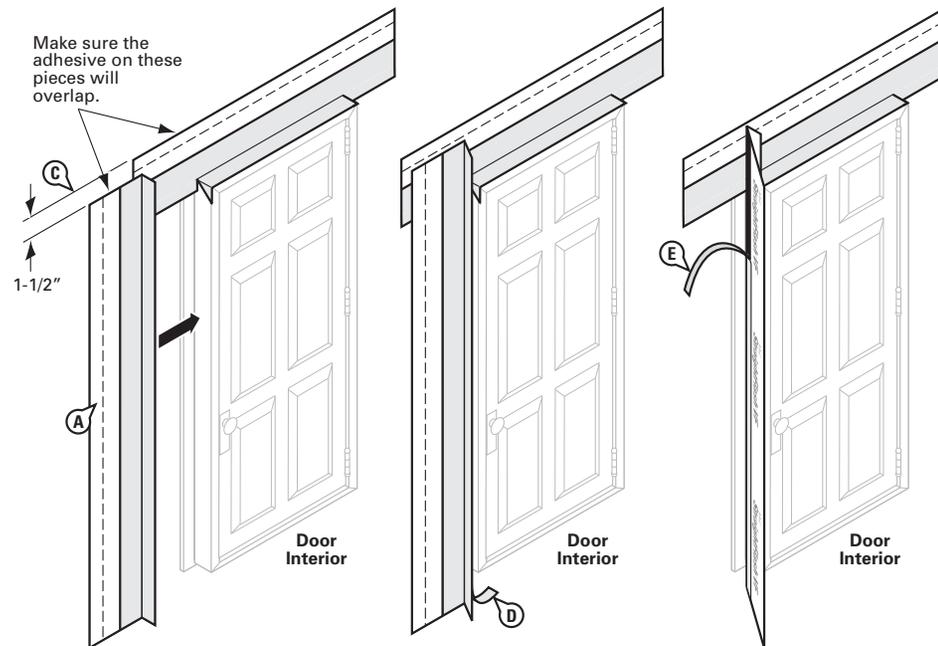
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one edge of the head flashing by folding it back and forth upon itself.
- C. Center the DuPont™ StraightFlash™ VF along the length of the door head and position so that it contacts the door frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.
- D. Remove the inner release paper strip and adhere the flashing to the back of the brick mold or flange.
- E. Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle.
- F. Fold the newly created flashing flaps down flat against the brick mold or flange.
- G. Fold remaining head flashing flaps down onto the jamb frame.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

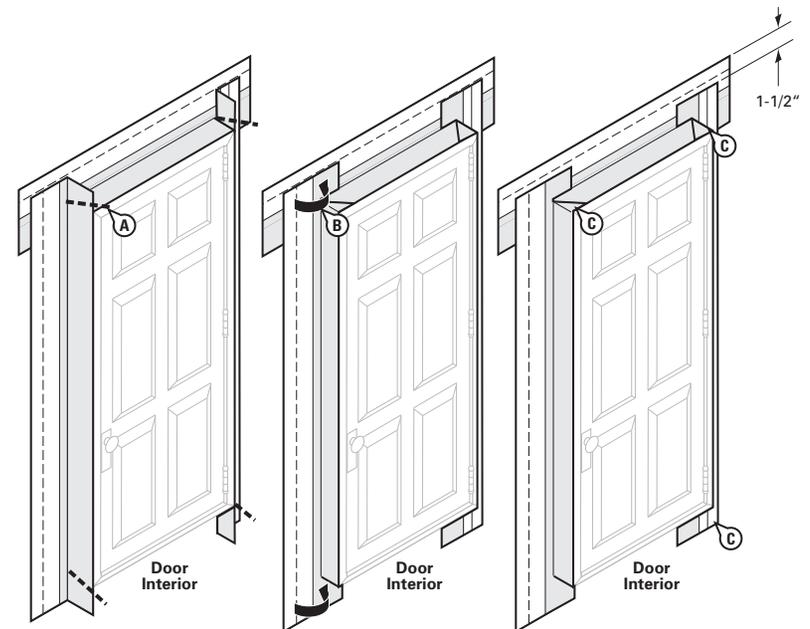
STEP 8

- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb.
- B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
- C. Position so that the DuPont™ StraightFlash™ VF contacts the door frame and interior side of the flange. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive by one inch.**
- D. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.
- E. Remove the inner release paper and adhere the flashing to the back of the flange.
- F. Repeat on opposite jamb.



STEP 9

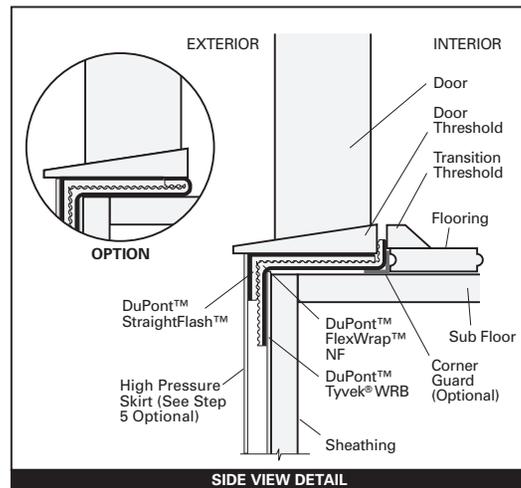
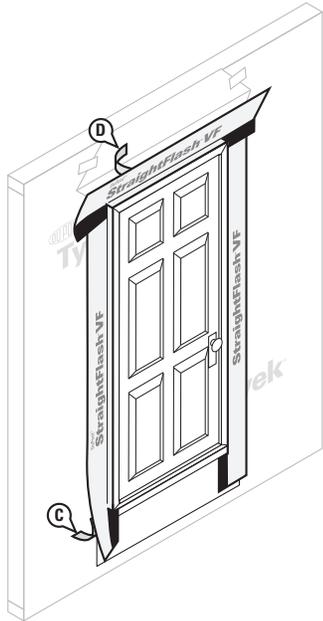
- A. Beginning at the junction of the jamb and head and beginning at the junction of the jamb and sill, and away from the corner, cut the DuPont™ StraightFlash™ VF along both corners at a 45° angle.
- B. Fold newly created flaps down flat against the head flashing.
- C. Fold newly created flaps down onto the head and sill of door frame.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 10

- A. If sealant is applied to the threshold, ensure that there are two (2) 2" gaps in the sealant bead for every 4' of door to allow for drainage using DuPont™ Residential Sealant, or recommended sealant, as shown below.
- B. Install door according to manufacturer's installation instructions.
- C. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.
- D. Remove the release paper at the head and adhere it to the wall surface.
- E. **OPTION: Create back dam by folding back narrow section of DuPont™ FlexWrap™ NF:** Cover exposed butyl with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.

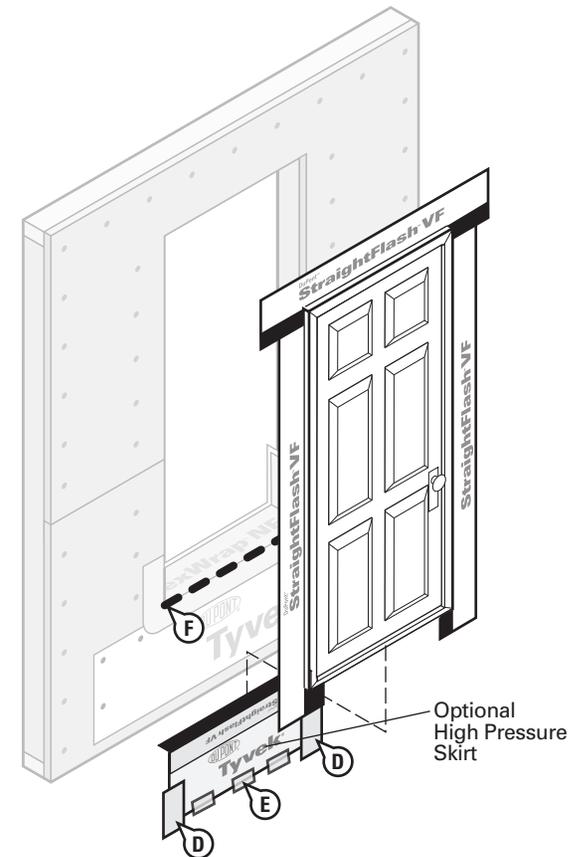
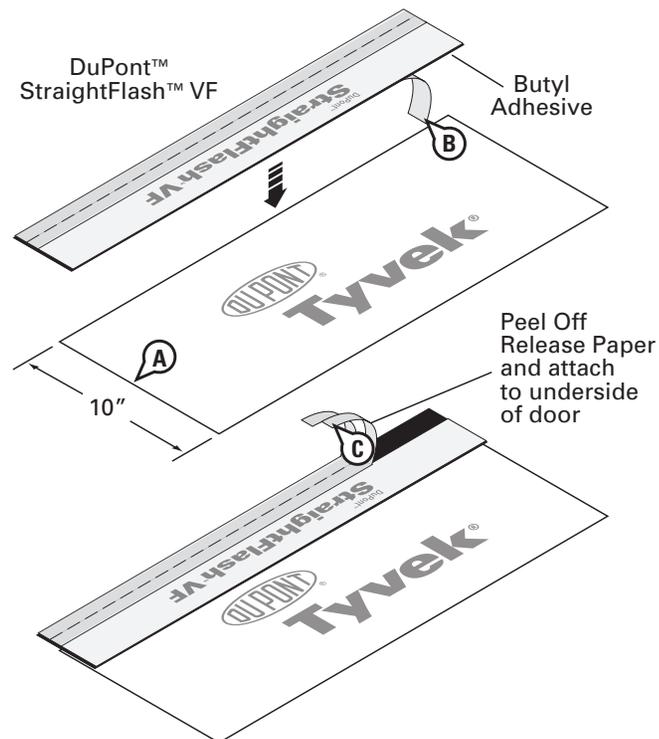


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 11 (OPTIONAL) - HIGH PRESSURE SKIRT (Completing installation of flashing for field applied flange door)

For extreme weather conditions, performance requirements exceeding ASTM E1677, or window/door design ratings of DP45 or greater, see *General Instructions*.

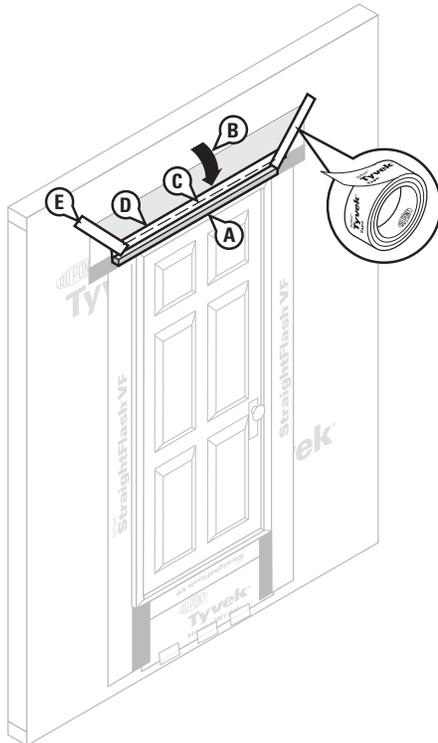
- A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door opening and approximately 10" in height.
- B. Cut a piece of DuPont™ StraightFlash™ VF to the same width of skirt. Remove release paper from one side of DuPont™ StraightFlash™ VF and adhere to DuPont™ Tyvek® WRB. The skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.
- C. Remove the release paper from the other side of DuPont™ StraightFlash™ VF and adhere the butyl adhesive at the sill skirt to the underside of the door threshold behind the jamb flashing.
- D. Secure edges of the optional skirt with two 4" pieces of DuPont™ StraightFlash™.
- E. Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.
- F. If sealant is applied to the threshold, ensure that there are two (2) 2" gaps in the sealant bead for every 4' of door to allow for drainage using DuPont™ Residential Sealant, or recommended sealant.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 12 (RECOMMENDED BEST PRACTICE)

- A. **OPTIONAL:** Cut a piece of metal or vinyl drip cap 1/8" **LONGER** than the width of the door and bend down edges. Place a bead of DuPont™ Residential Sealant, or recommended sealant, on the rear side. Install the drip cap tight against the door head and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- B. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
- C. Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
- D. Flip down upper flap of the DuPont™ Tyvek® WRB so it lays flat across head flashing.
- E. Tape seams as shown. **DO NOT TAPE** at bottom of door. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- F. Tape down diagonal seams of DuPont™ Tyvek® WRB.

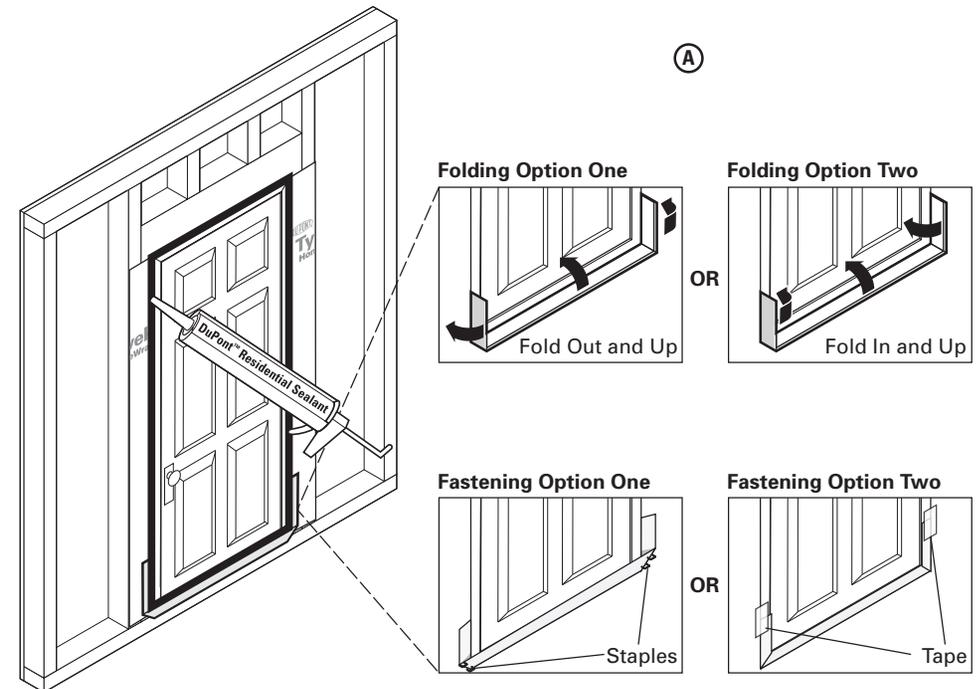


STEP 13

Final Step

- A. When the interior flooring is ready to install, remove release paper and use Folding Option One or Two to form back dam.
- B. Install DuPont™ Residential Sealant, or recommended sealant, (and backer rod as necessary) around the door opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap NF™ around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



Non-Flanged Window AFTER DuPont™ Tyvek® WRB Is Installed

This installation guide can also be used for windows with field applied nailing fins and non-flanged windows. Ensure DuPont™ StraightFlash™ VF logo side faces the exterior.

This method applies to the following products:

- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

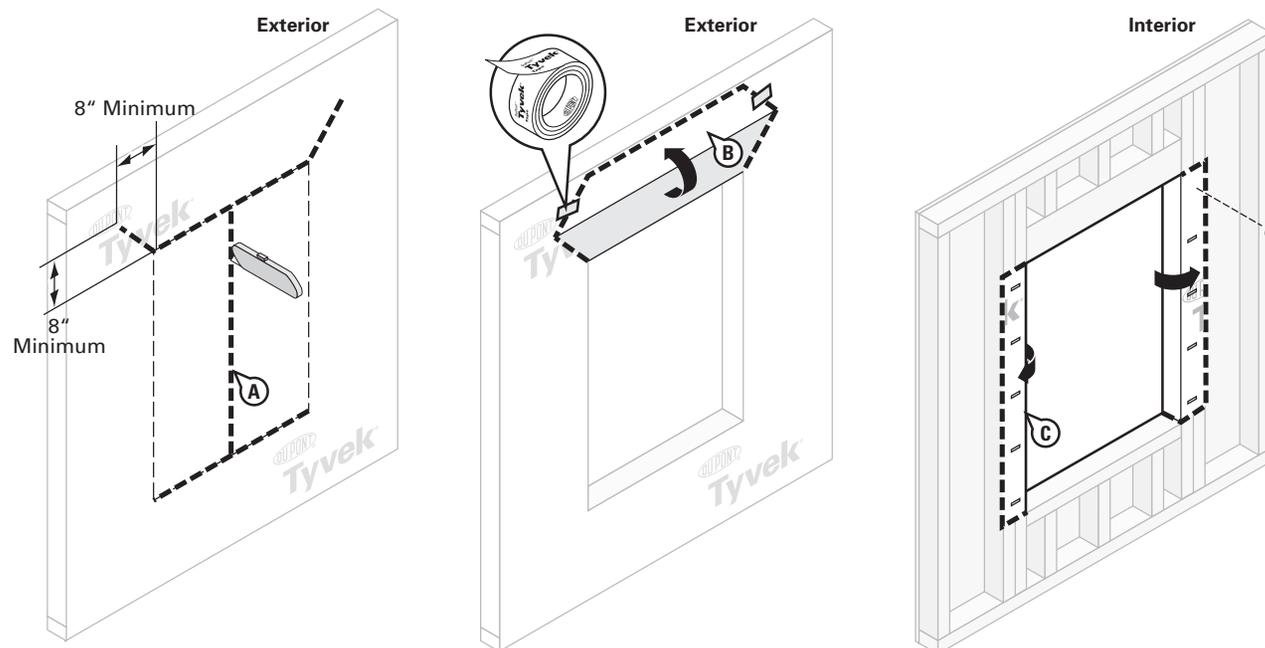
STEP 1

Prepare the DuPont™ Tyvek® WRB for window installation:

- Make an "I-Cut" (Standard I-Cut) in the DuPont™ Tyvek® WRB (modified I-Cut is also accepted). For an "I-Cut", begin with a horizontal cut across the bottom and the top of the window frame. From the center, cut straight down to the sill.
- Cut two 45 degree slits a minimum of 8" extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

NOTE: Some windows and flashing widths may require longer slits.

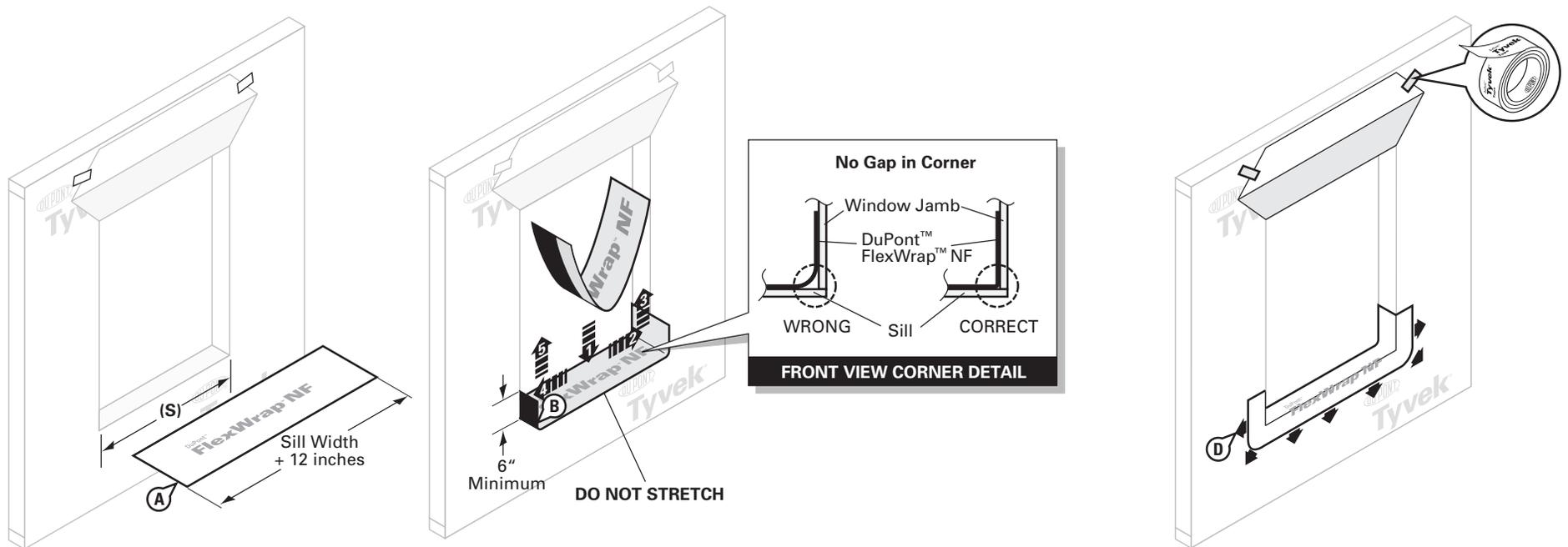
- Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 2

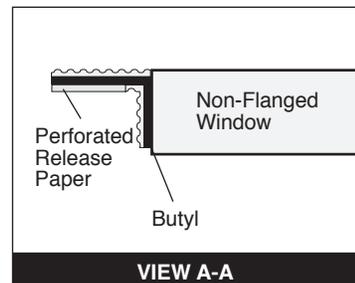
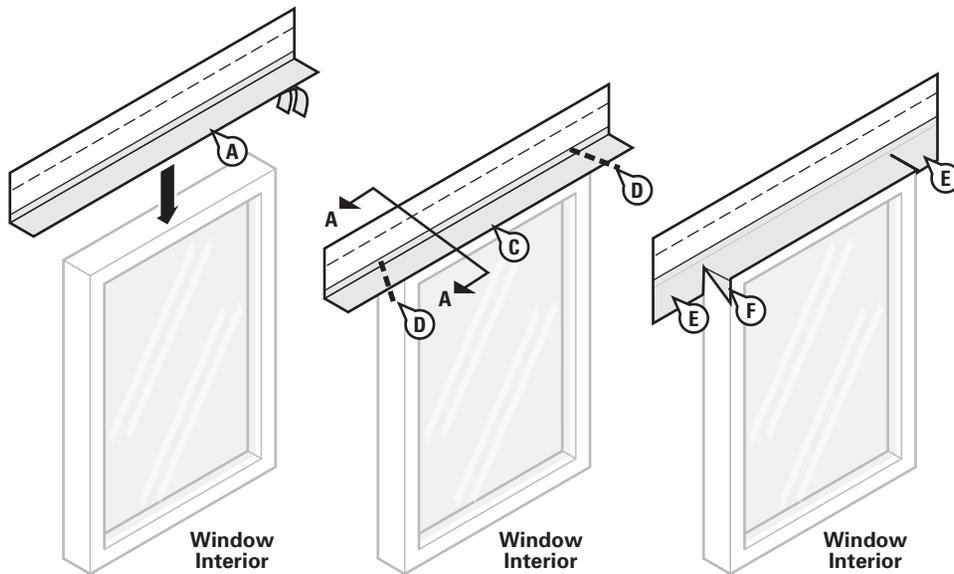
- A. Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of rough opening sill (S).
- B. Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6" on each side).
- C. Remove second release paper.
- D. Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

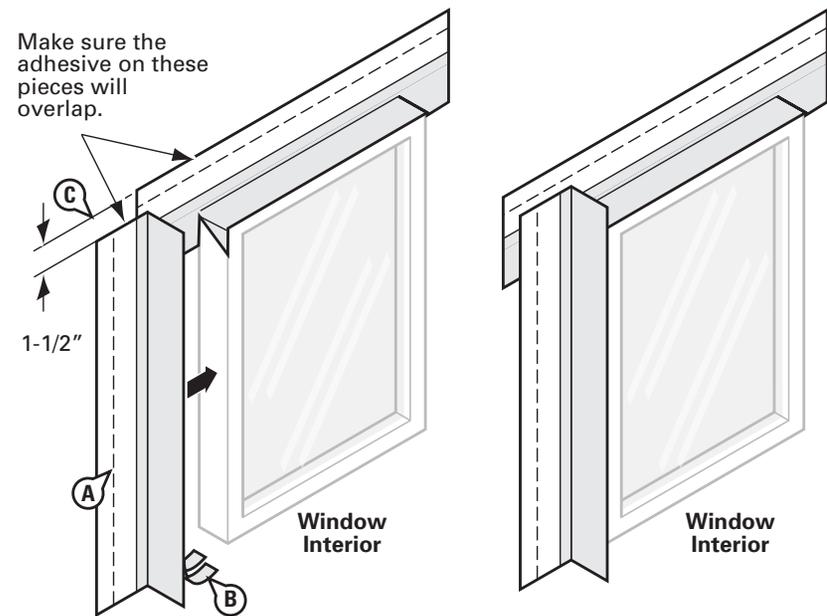
STEP 3

- Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- Center the flashing along the length of the window and position so that it contacts the window frame.
- At the exterior corners, where the window head frame meets the jamb frame, make 45° cuts in the flashing at each end away from the header.
- Fold the flashing down flat in the vertical direction parallel to the window frame.
- Fold newly created flaps down to the jamb and adhere to the frame.



STEP 4

- Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb length.
- Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- Position so that it contacts the window frame up to the exterior face of the window. Ensure that the jamb flashing is positioned 1-1/2 inches below top of head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one inch.**
- Repeat on opposite jamb.



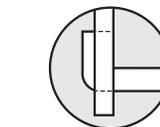
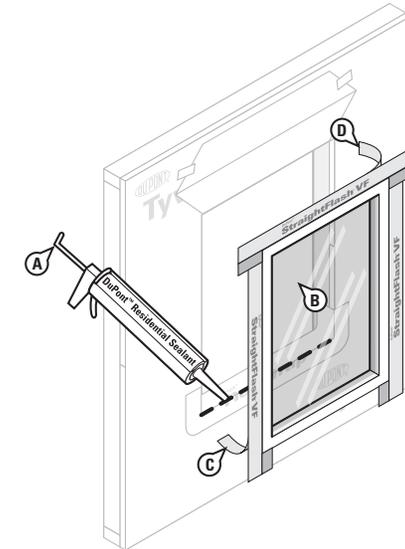
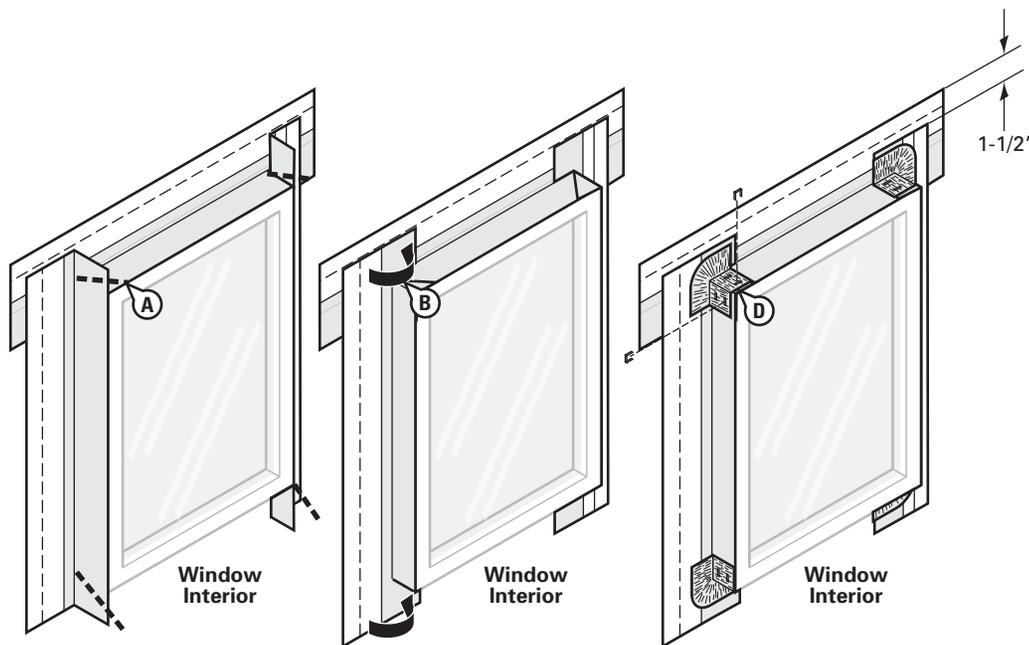
DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 5

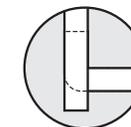
- At the exterior corner of the window, where the window head frame meets the jamb frame, make 45° cuts in the flashing at each end up and away from the head and down away at the sill.
- Fold the jamb flashing pieces parallel to window. Fold newly created flaps to the jamb frame.
- Repeat on opposite jamb.
- Cut four 3" x 3" pieces of DuPont™ FlexWrap™ NF and add patches to corners of the window. Staple to wooden frame for non-flanged windows.
- Complete installation starting at Step 6.

STEP 6

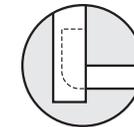
- If sealant is applied to the sill, ensure that there are two (2) 2" gaps in the sealant bead for every 4' of window to allow for drainage using DuPont™ Residential Sealant, or recommended sealant, as shown below.
- Install the window per manufacturer's instructions.
- Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.
- Remove the release paper at the head and adhere it to the wall surface.



INCORRECT
DuPont™ FlexWrap™ NF
reverse flashed



INCORRECT
DuPont™ StraightFlash™
flush with DuPont™
FlexWrap™ NF



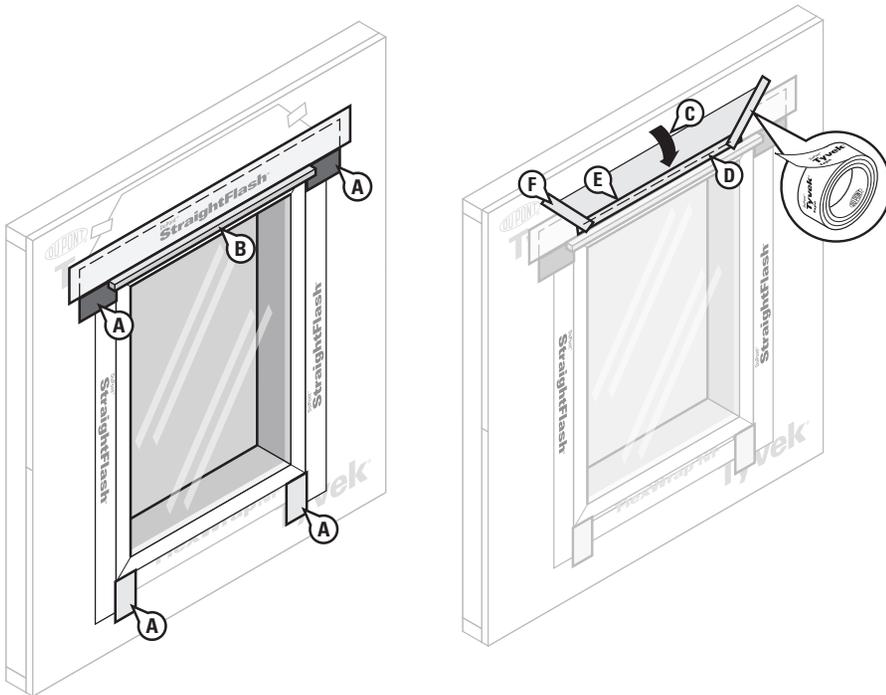
CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

NOTE: Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ NF and adhere to the substrate.

DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 7

- A. **OPTIONAL:** Cover exposed butyl with DuPont™ StraightFlash™, DuPont™ Flashing Tape or DuPont™ Tyvek® Tape.
- B. **OPTIONAL:** Cut a piece of metal or vinyl drip cap slightly **LONGER** than the width of the window and place a bead of DuPont™ Residential Sealant, or recommended sealant, on the rear side. Install the drip cap tight against the window head and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- C. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
- D. Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
- E. Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- F. Tape down diagonal seams of DuPont™ Tyvek® WRB.

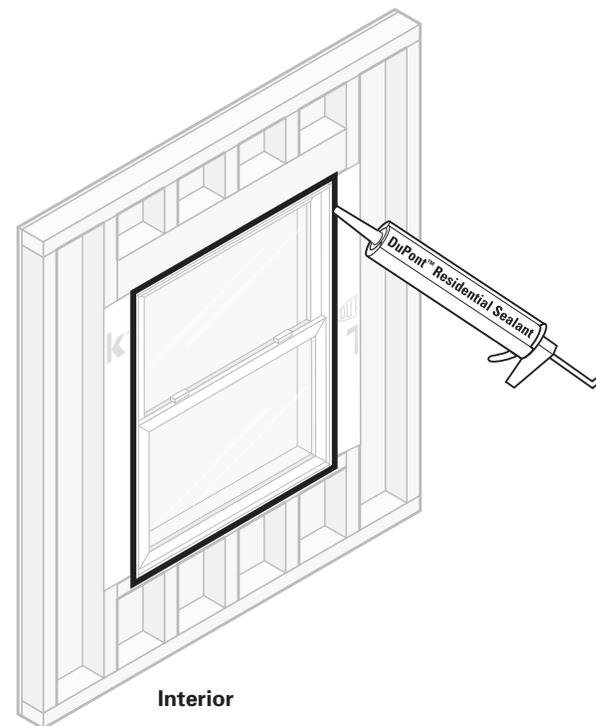


STEP 8

Final Step

Install DuPont™ Residential Sealant, or recommended sealant, (and backer rod as necessary) around the window opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap NF™ around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



Non-Flanged Door AFTER DuPont™ Tyvek® WRB Is Installed

This installation guide is intended for doors installed above grade and/or with wood floor construction.

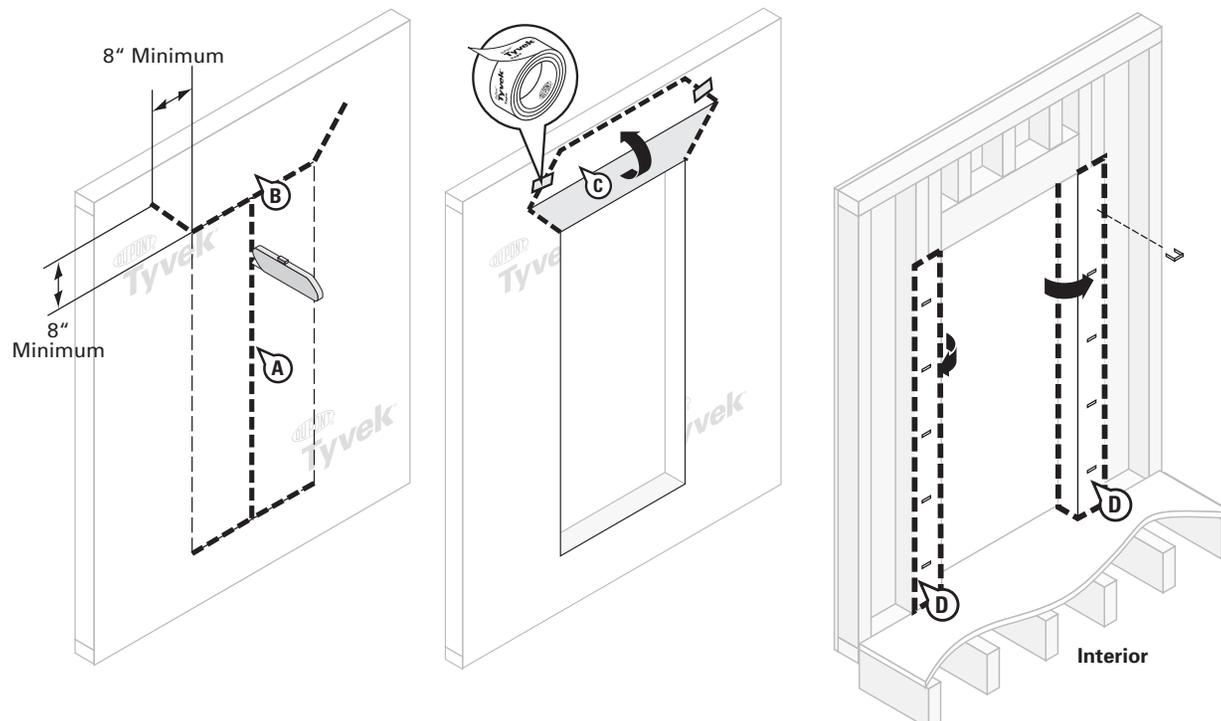
This method applies to the following products:

- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ FlexWrap™ NF, and DuPont™ Flashing Tape

STEP 1

Prepare the DuPont™ Tyvek® WRB for door installation:

- Make an “I-Cut” (Standard I-Cut) in the DuPont™ Tyvek® WRB. For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the door frame. From the center, cut straight down to the sill.
- Cut two 45 degree slits a minimum of 8” extending from the corner of the door head, up and away from door opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation (see step 9).
- NOTE:** Some doors and flashing widths may require longer slits.
- Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.
- Fold side flaps into rough opening, and secure to inside wall framing. Cut off excess flaps if desired.

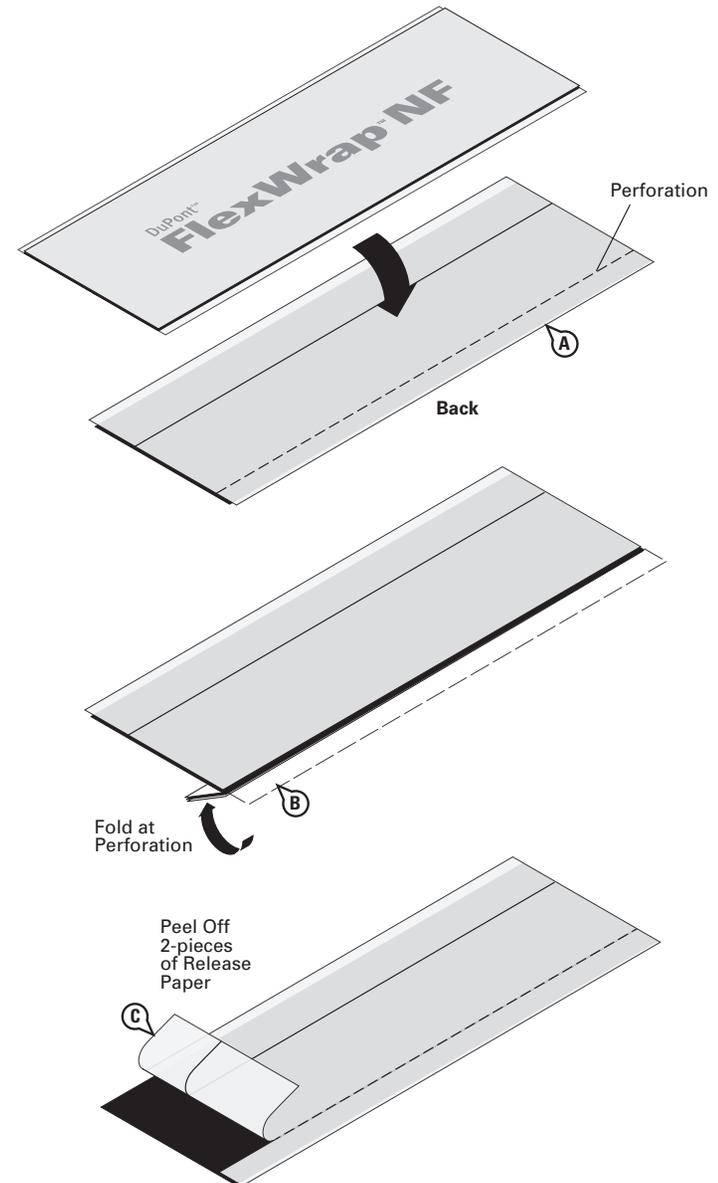
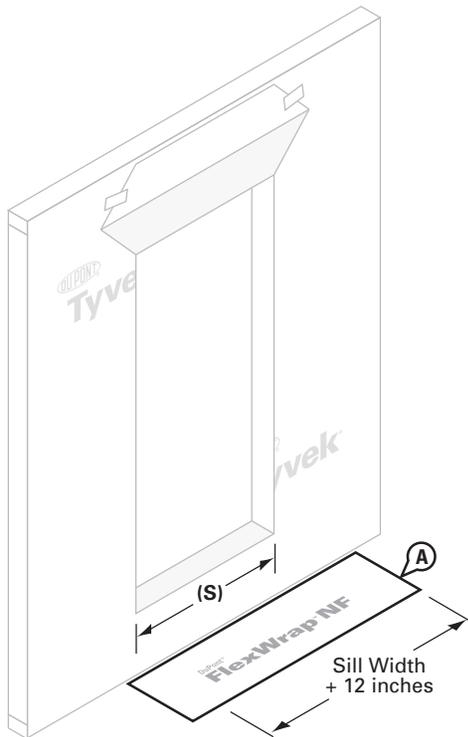


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 2

Preparation of sill flashing:

- A. Cut 9" DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of the sill (S).
- B. 9" DuPont™ FlexWrap™ NF has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
- C. Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.

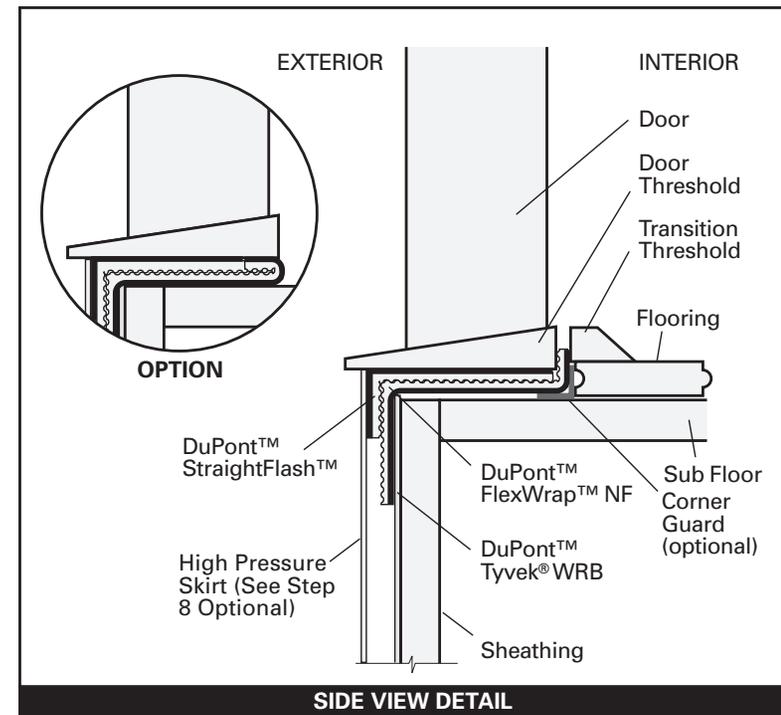
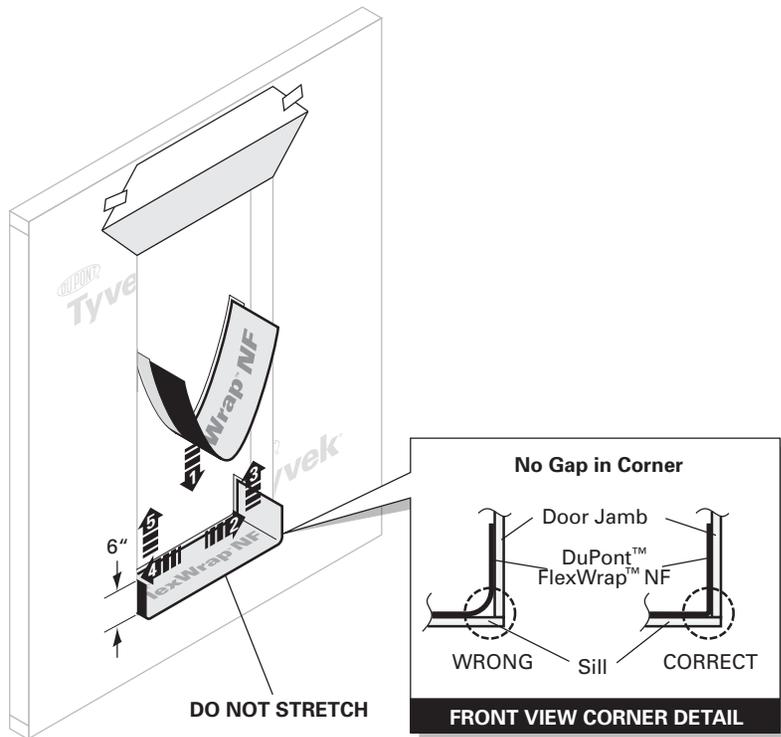


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 3 (OPTIONAL BACK DAM)

Install the sill flashing as indicated so the section with the release paper still attached extends past the door threshold on the inside. When the 1" of release paper is removed, the remaining section of DuPont™ FlexWrap™ NF can be used to form a back dam.

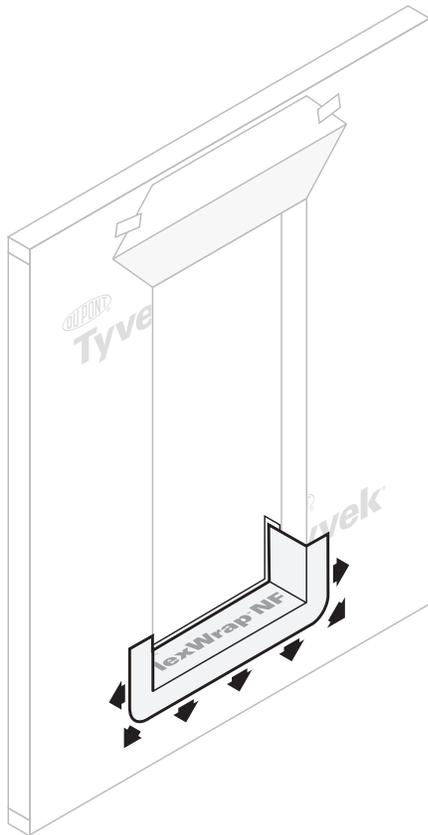
OPTION: Create back dam by folding back narrow section of DuPont™ FlexWrap™ NF: Some flooring cannot accommodate a back dam. In that case fold the back dam on top of 9" DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of 1" fold to create a back (see Side View Detail below).



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 4

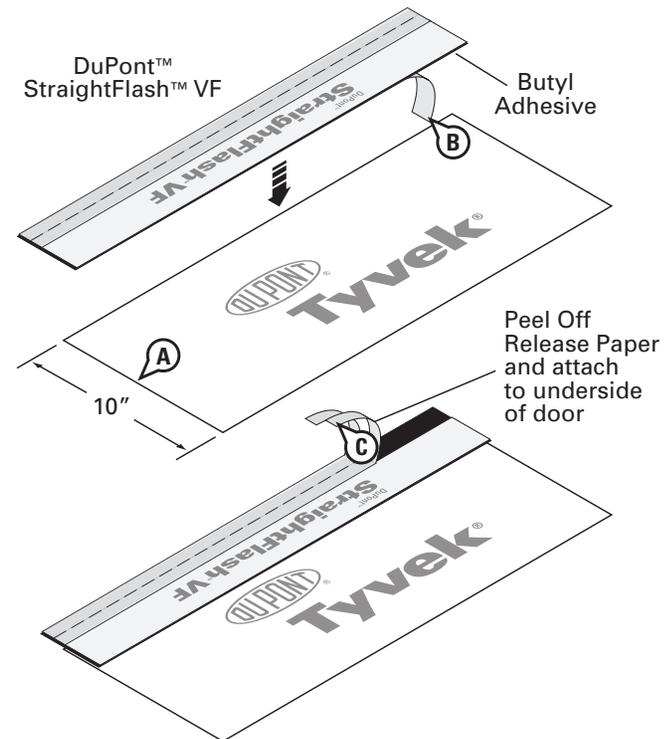
Fan DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



STEP 5 (OPTIONAL)

For extreme weather conditions, performance requirements exceeding ASTM E1677, or window/door design ratings of DP45 or greater, see *General Instructions*.

- Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door threshold opening and approximately 10" in height.
- Cut a 4" piece of DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™ to the same width as the skirt. Remove two pieces of release paper and adhere to the DuPont™ Tyvek® WRB.
- Remove the last pieces of release paper and attach the skirt to the underside of the door threshold. This skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.

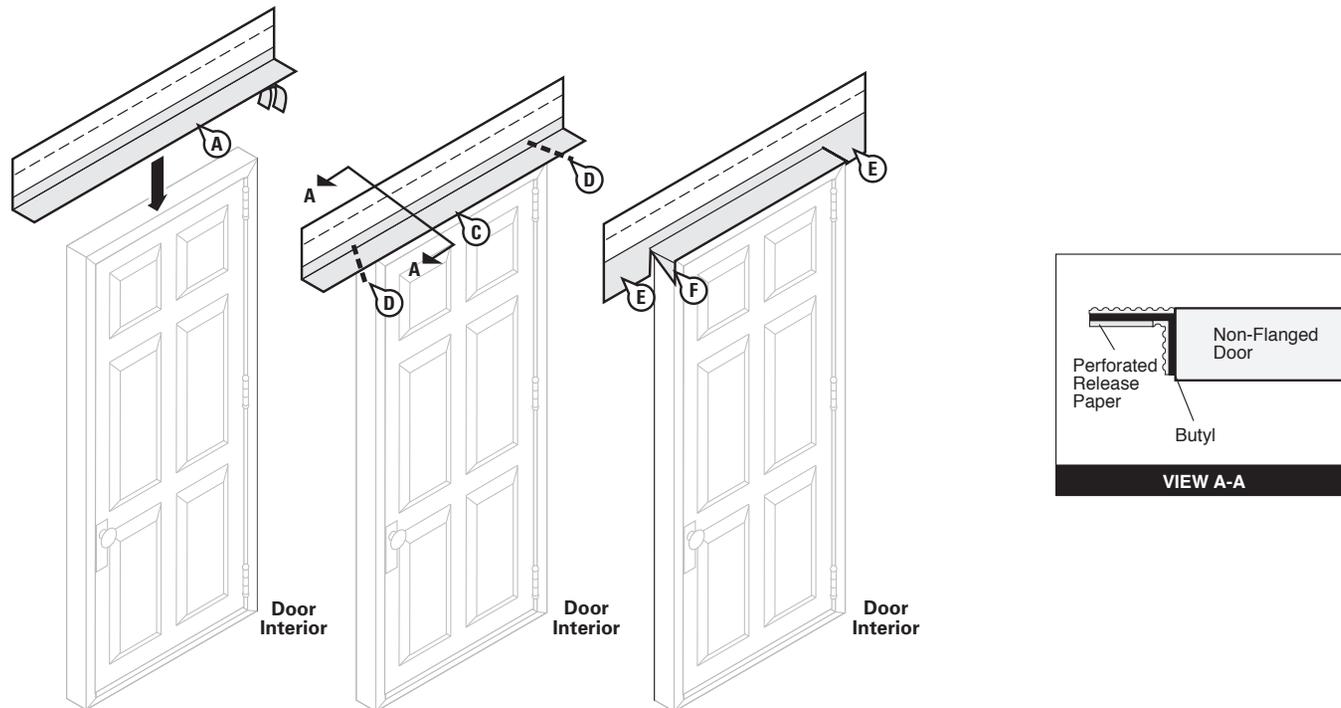


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

FOR NON-FLANGED DOORS

STEP 6

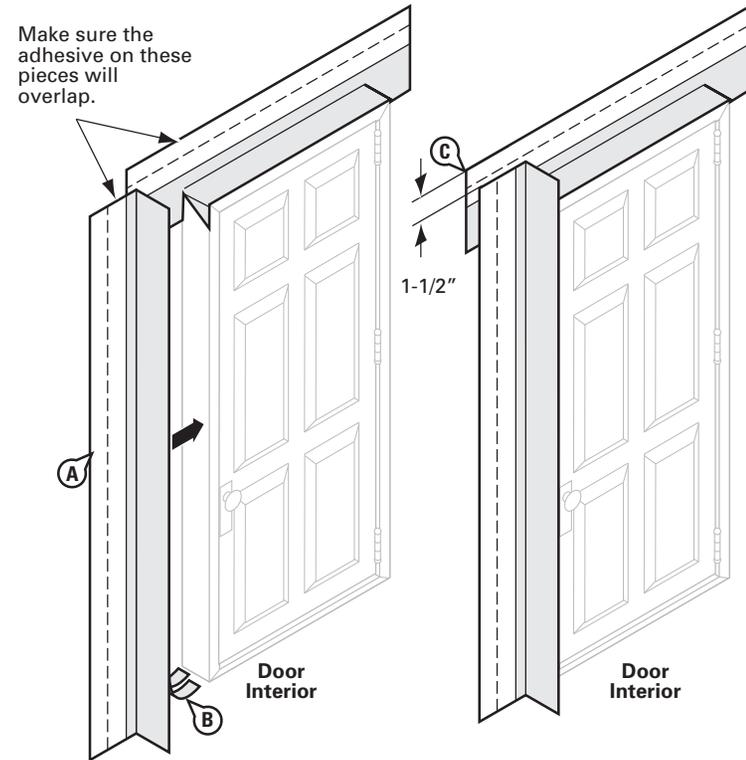
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- C. Center the DuPont™ StraightFlash™ VF along the length of the door and position so that it contacts the door frame.
- D. Beginning at the junction of the jamb and head, and away from the corners, cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle.
- E. Fold the newly created flashing flaps down flat.
- F. Fold remaining head flashing flaps down onto the jamb frame.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 7

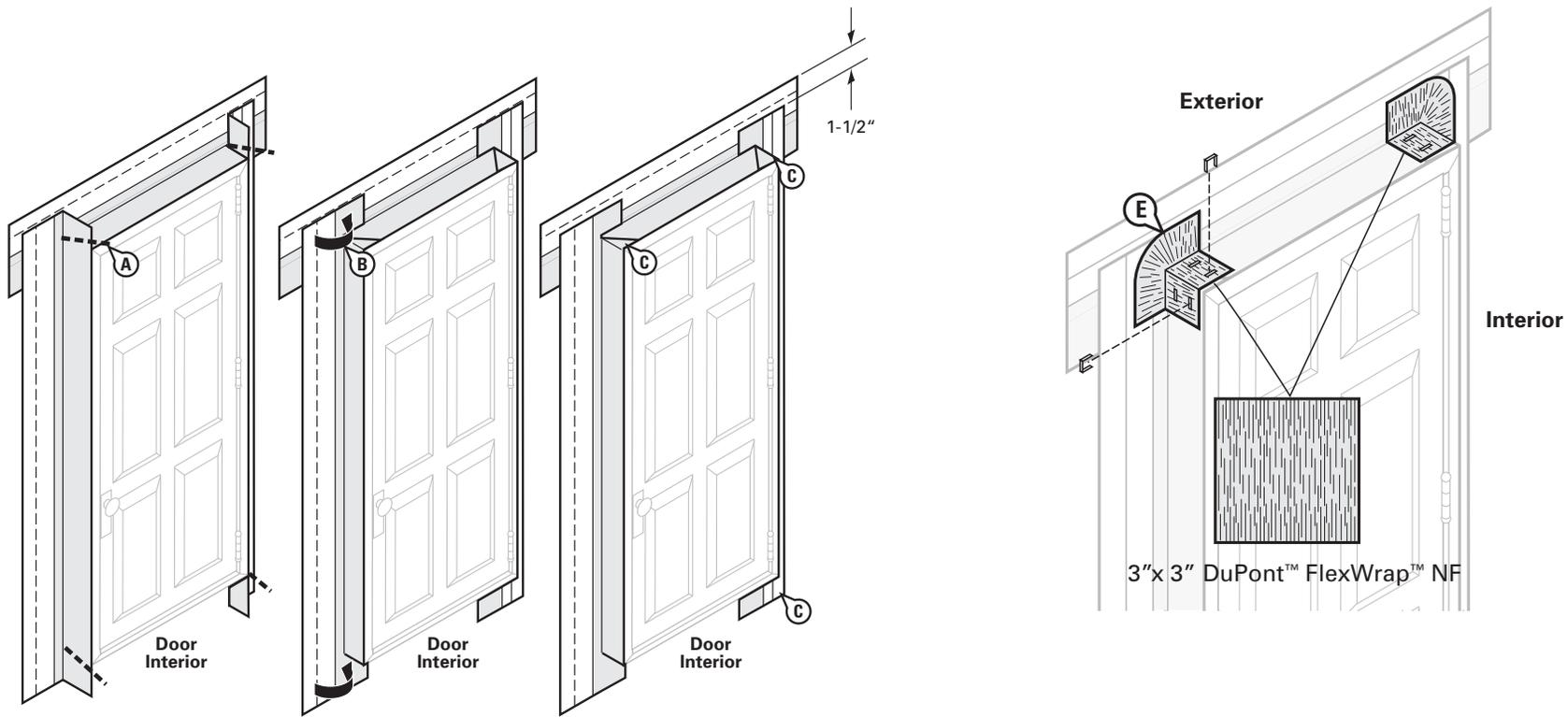
- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb length.
- B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- C. Position the DuPont™ StraightFlash™ VF so that it contacts the door frame up to the exterior face of the door. Ensure that the jamb flashing is positioned 1-1/2 inches below top of head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one inch.**
- D. Repeat on opposite jamb.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 8

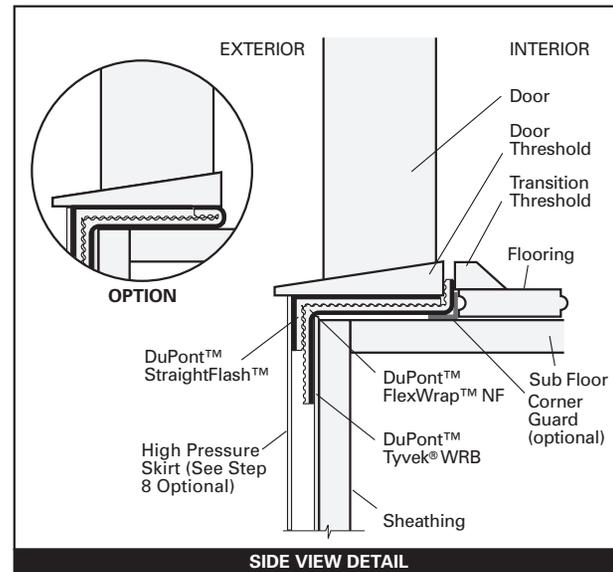
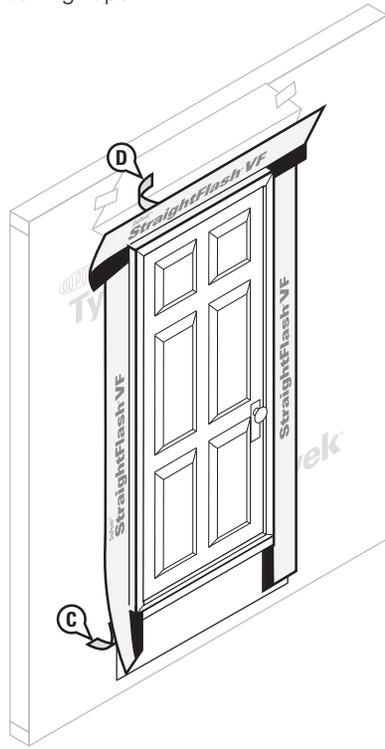
- A. Beginning at the junction of the jamb and head and at the junction of the sill and jamb, and away from the corners, cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle and fold bottom flap to adhere against the door head frame.
- B. Fold remaining flashing flaps flat against head flashing.
- C. Fold newly created flaps down parallel to the door frame.
- D. Repeat on opposite jamb.
- E. Cut two 3" x 3" DuPont™ FlexWrap™ NF squares and add patches to corners of the door. Staple to wooden frame.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 9

- A. If sealant is applied to the threshold, ensure that there are two (2) 2" gaps in the sealant bead for every 4' of door to allow for drainage using DuPont™ Residential Sealant, or recommended sealant, as shown below.
- B. Install door according to manufacturer's installation instructions.
- C. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.
- D. Remove the release paper at the head and adhere it to the wall surface.
- E. **OPTION: Create back dam by folding back narrow section of DuPont™ FlexWrap™ NF:** Cover exposed butyl with DuPont™ StraightFlash or DuPont™ Flashing Tape.

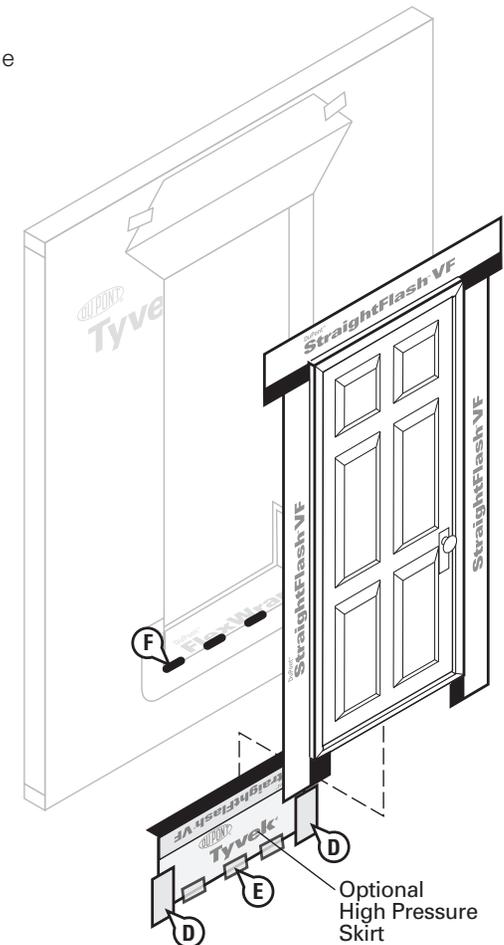
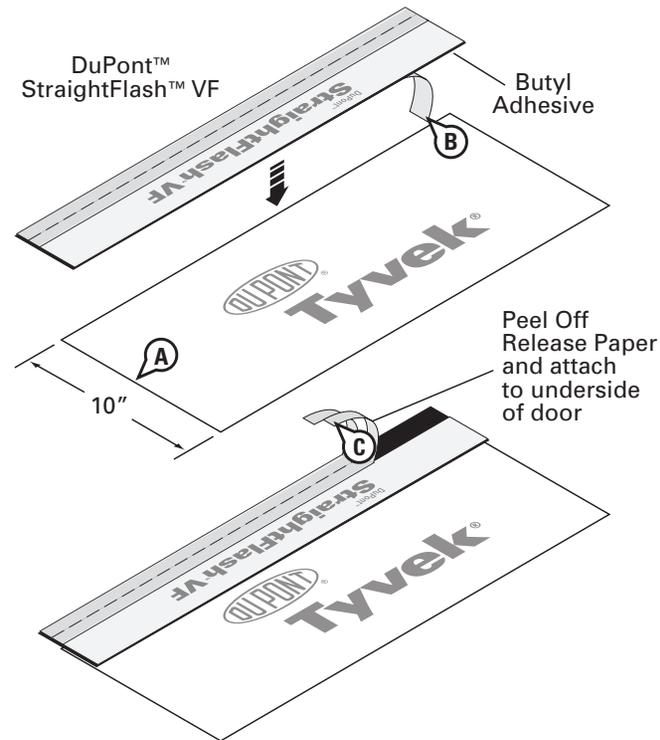


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 10 (OPTIONAL) - HIGH PRESSURE SKIRT (Completing installation of flashing for non-flanged door)

For extreme weather conditions, performance requirements exceeding ASTM E1677, or window/door design ratings of DP45 or greater, see General Instructions.

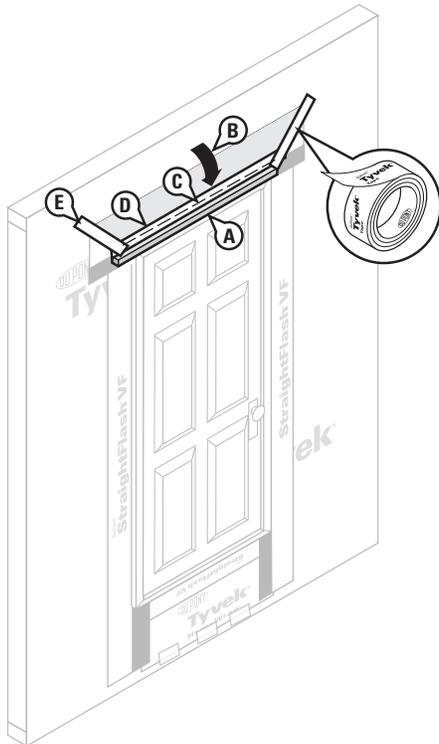
- A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door opening and approximately 10" in height.
- B. Cut a piece of DuPont™ StraightFlash™ VF to the same width of skirt. Remove release paper from one side of DuPont™ StraightFlash™ VF and adhere to DuPont™ Tyvek® WRB. The skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.
- C. Remove the release paper from the other side of DuPont™ StraightFlash™ VF and adhere the butyl adhesive at the sill skirt to the underside of the door threshold behind the jamb flashing.
- D. Secure edges of the optional skirt with two 4" pieces of DuPont™ StraightFlash™.
- E. Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.
- F. If sealant is applied to the threshold, ensure that there are at least two (2) 2" gaps in the sealant bead to allow for drainage for every 4' of door using DuPont™ Residential Sealant, or recommended sealant.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 11 (RECOMMENDED BEST PRACTICE)

- OPTIONAL:** Cut a piece of metal or vinyl drip cap 1/8" **LONGER** than the width of the door and bend down edges. Place a bead of DuPont™ Residential Sealant, or recommended sealant, or recommended sealant on the rear side. Install the drip cap tight against the door head and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
- Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
- Tape seams as shown. **DO NOT TAPE** at bottom of door. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- Tape down diagonal seams of the DuPont™ Tyvek® WRB.

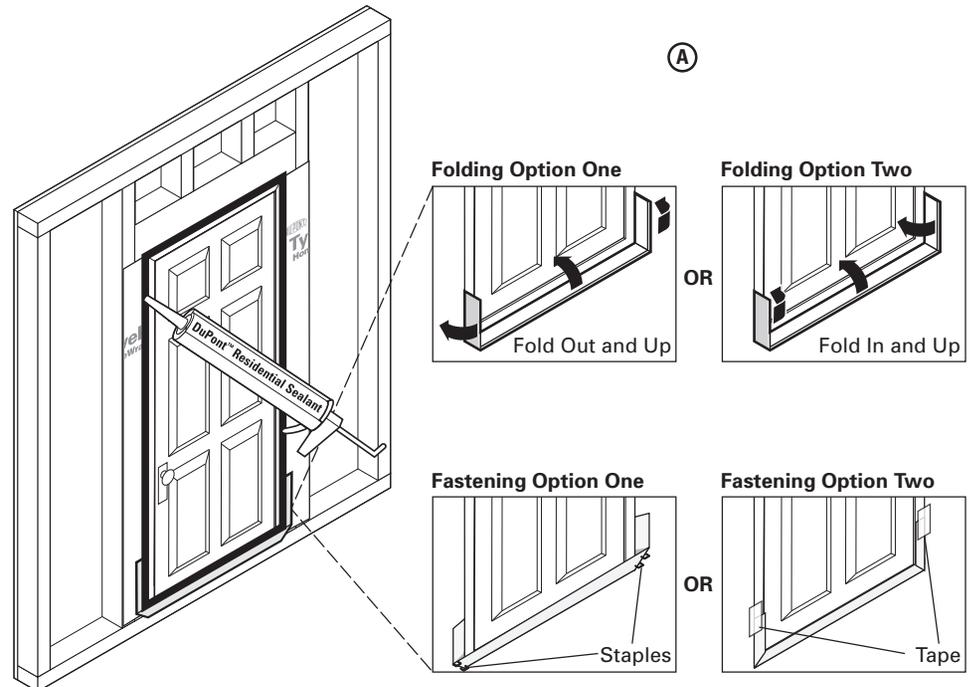


STEP 12

Final Step

- When the interior flooring is ready to install, remove release paper and use Folding Option One or Two to form back dam.
- Install DuPont™ Residential Sealant, or recommended sealant, (and backer rod as necessary) around the door opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap™ NF around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See *General Instructions* for performance requirements exceeding this design rating.



Integral Flanged Window with a Wood Buck Bump-Out AFTER DuPont™ Tyvek® WRB is Installed

This method applies to the following products:

- DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

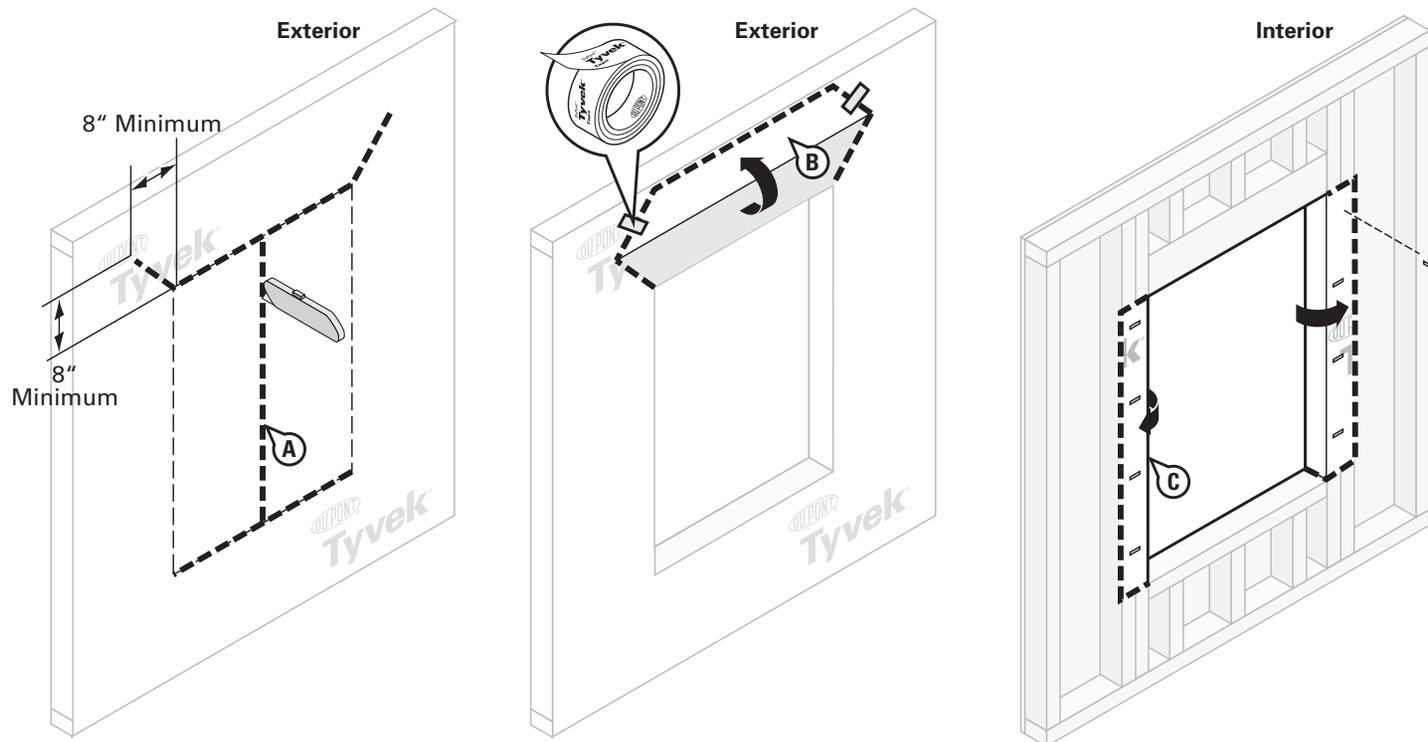
STEP 1

Prepare WRB for window installation:

- Make an "I-Cut" (Standard I-Cut in the WRB (modified I-Cut is also accepted). For an "I-Cut", begin with a horizontal cut across the bottom and the top of the window frame (for round top windows, the cut should begin above the mull joint). From the center, cut straight down to the sill.
- Cut two 45 degree slits a minimum of 8" extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

NOTE: Some windows and flashing widths may require longer slits.

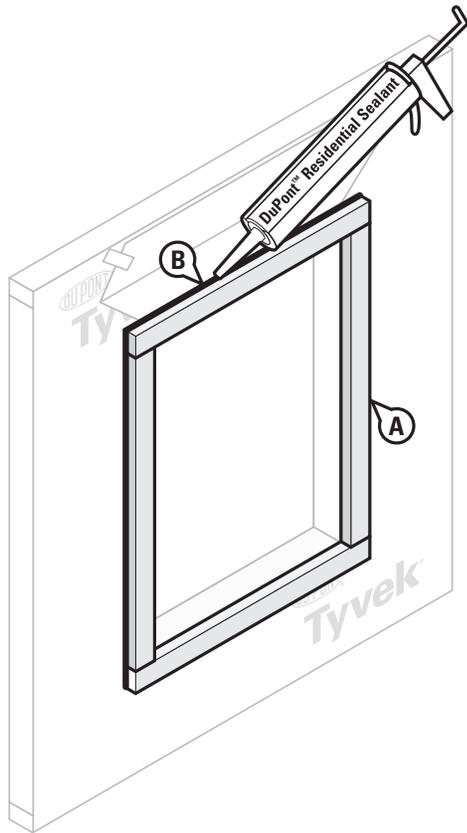
- Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

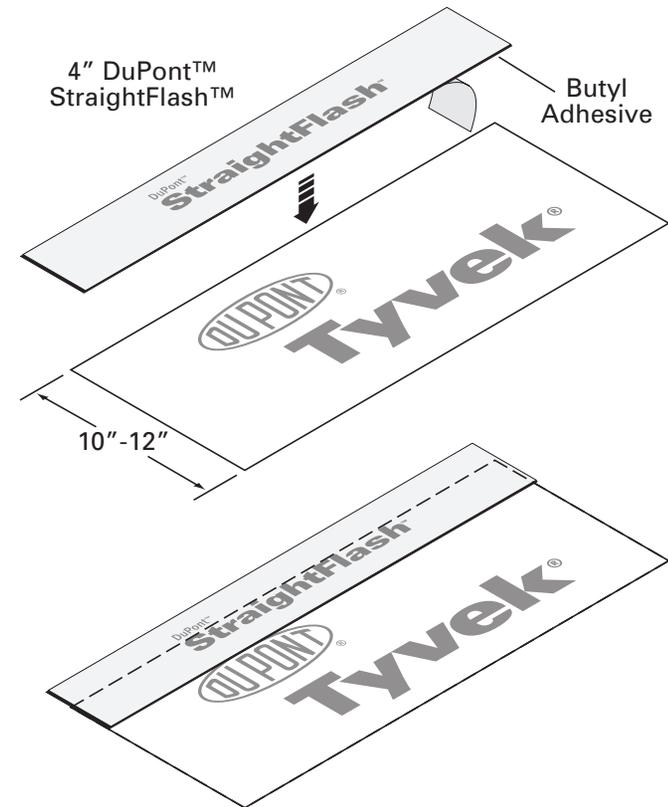
STEP 2

- A. Install wood buck bump-out per Architect's guides. Securely fasten in place.
- B. Apply DuPont™ Residential Sealant, or recommended sealant, on 3 sides (jamb and head) of wood buck, and seal wood buck to wall. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape.



STEP 3

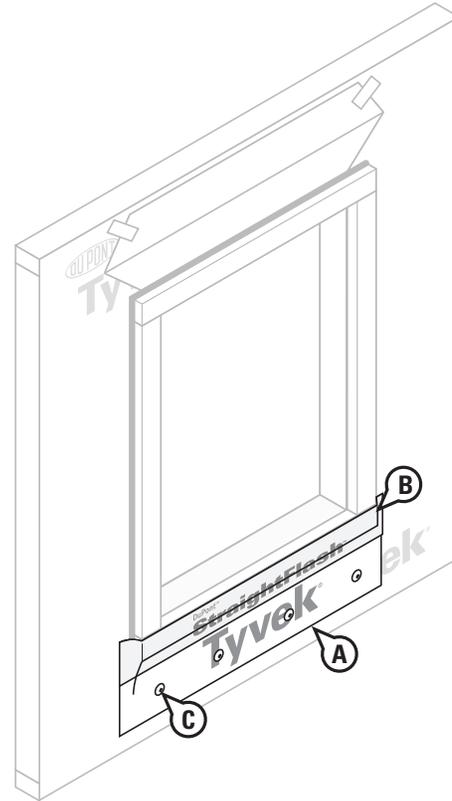
- A. Cut DuPont™ Tyvek® WRB a minimum of 10"-12" wide and minimum 12" **LONGER** than the width of the window.
- B. Cut 4" wide DuPont™ StraightFlash™ or DuPont™ Flashing Tape the same length as the DuPont™ Tyvek® WRB.*
- C. Remove release paper and 2" of the exposed butyl onto the DuPont™ Tyvek® WRB.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 4

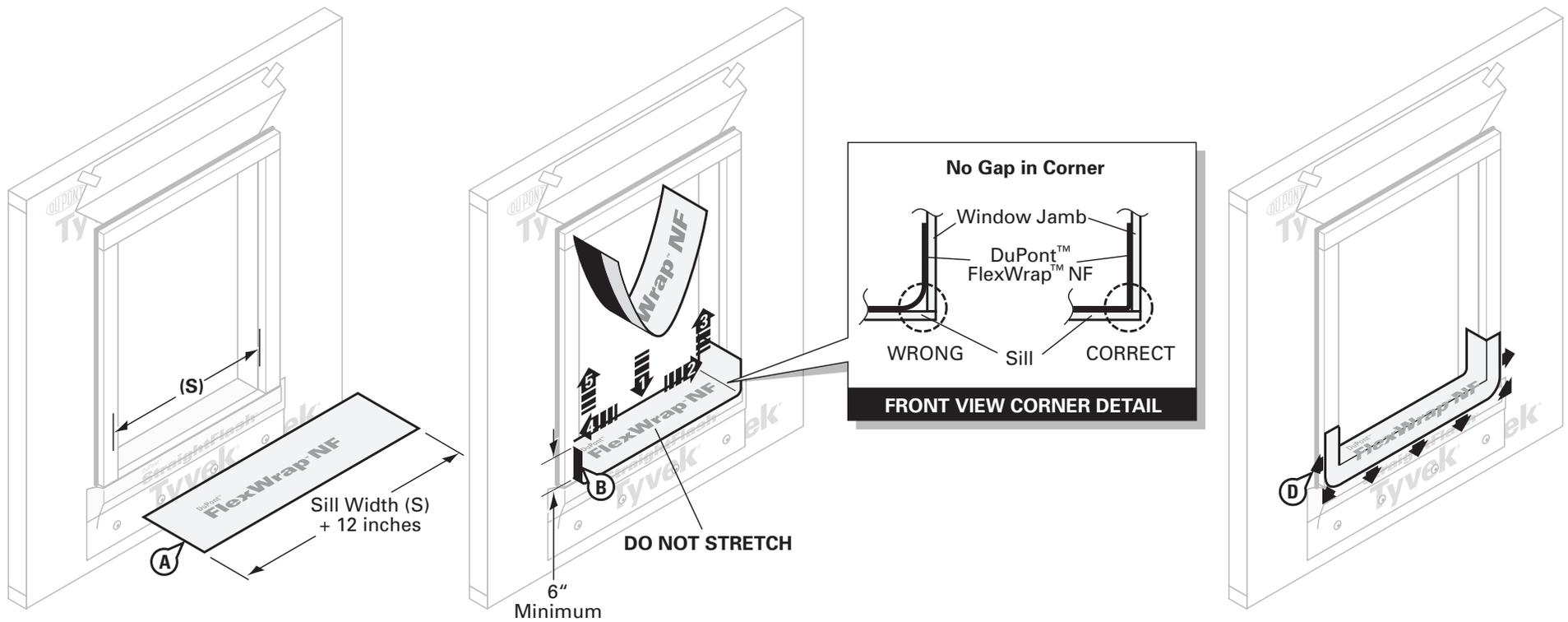
- A. After DuPont™ Tyvek® WRB skirt is constructed, remove remaining release paper and install onto face of sill wood buck bump-out just below the horizontal sill.
- B. Fold excess flashing around the corner of the wood buck bump-out and onto the face of the wall.
- C. Apply DuPont™ Tyvek® Wrap Cap screws or appropriate fasteners at each stud line to secure DuPont™ Tyvek® WRB skirt.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 5

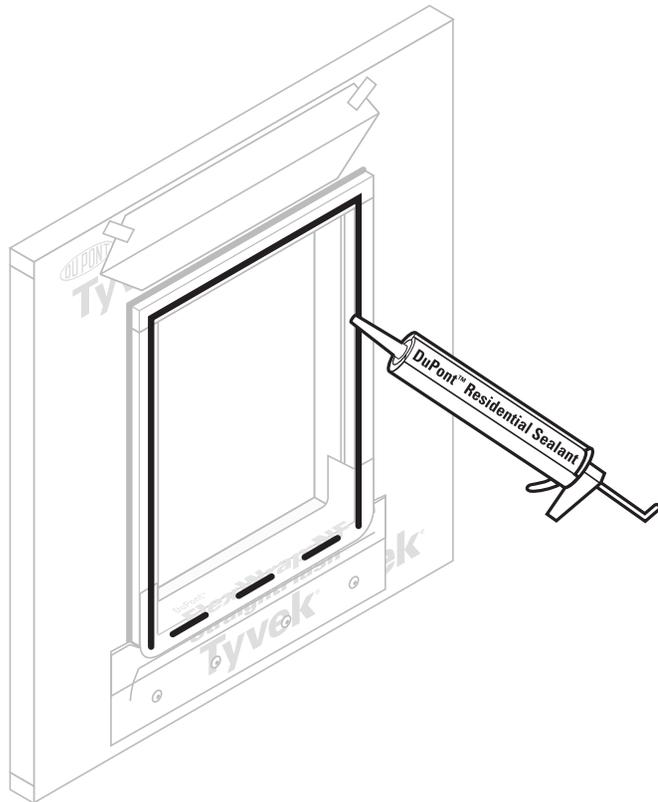
- Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of rough opening sill (S).
- Remove first piece of release paper, cover the horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6" on each side).
- Remove second release paper.
- Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wood buck bump-out. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wood buck bump-out.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

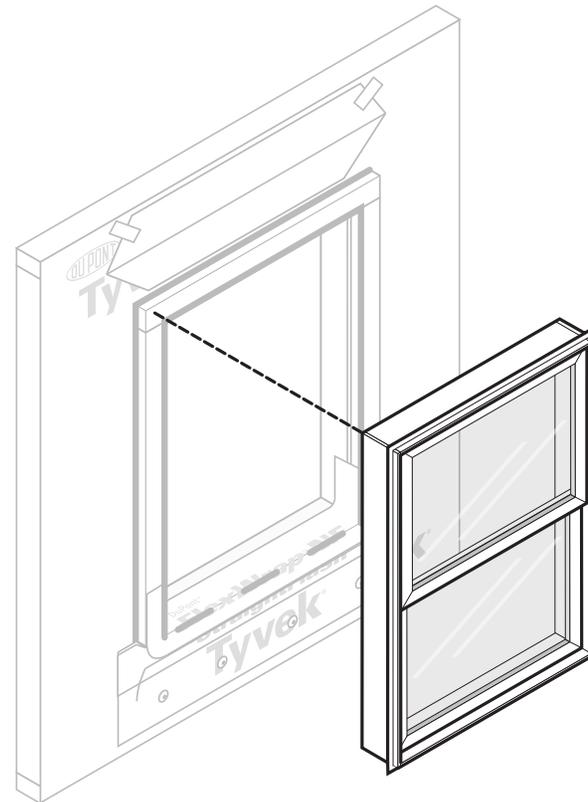
STEP 6

Apply DuPont™ Residential Sealant, or recommended sealant, on three sides (jamb and head) as shown below. If sealant is applied to the sill, ensure that there are at least two (2) 2" gaps in the sealant bead for every 4' of window to allow for drainage.



STEP 7

Install window according to manufacturer's instructions.

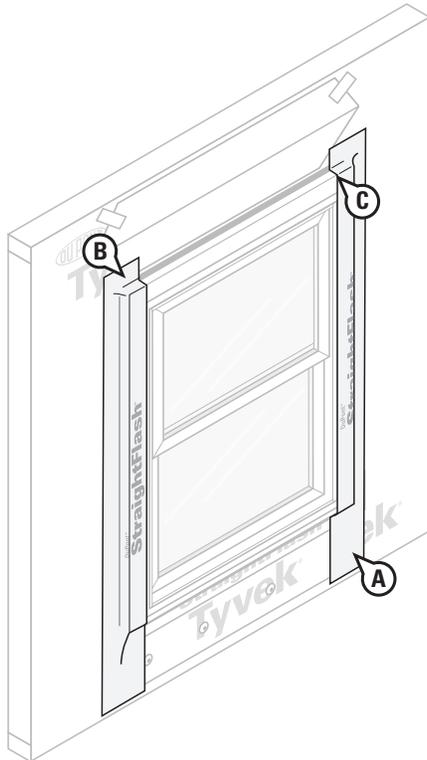


DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 8

Cut 2 pieces of 9" DuPont™ StraightFlash™ for the jamb flashing. It is also acceptable to use 6" or 9" DuPont™ Flashing Tape depending on the size of the wood buck bump-out.

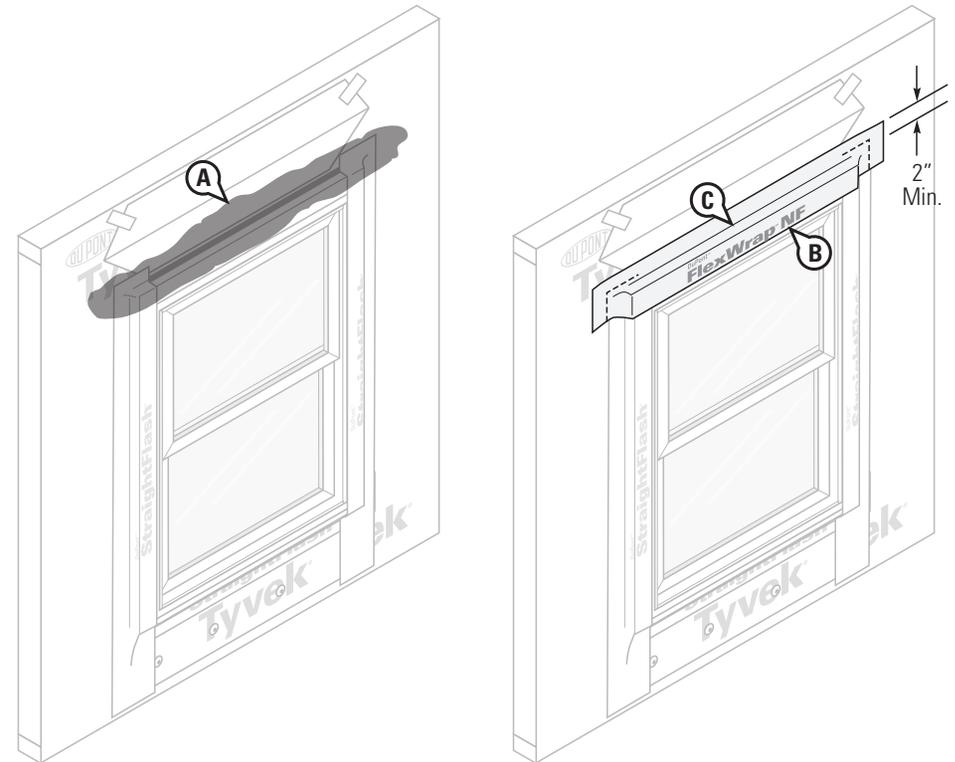
- A. Flashing should extend to the bottom of the DuPont™ Tyvek® WRB skirt.
- B. The flashing should extend 1" - 2" above the head of the wood buck bump-out.
- C. Fold the jamb flashing at the head. To minimize puckering, install as tightly as possible so the DuPont™ StraightFlash™ lies flat against the flange and wood buck bump out.



STEP 9

- A. If there is glass mat gypsum sheathing, apply DuPont™ Adhesive/Primer to sheathing surface.
- B. Install DuPont™ FlexWrap™ NF* at head of window and onto the flange of the window.
- C. Make sure at least 2" of DuPont™ FlexWrap™ NF is adhered to the face of the sheathing.

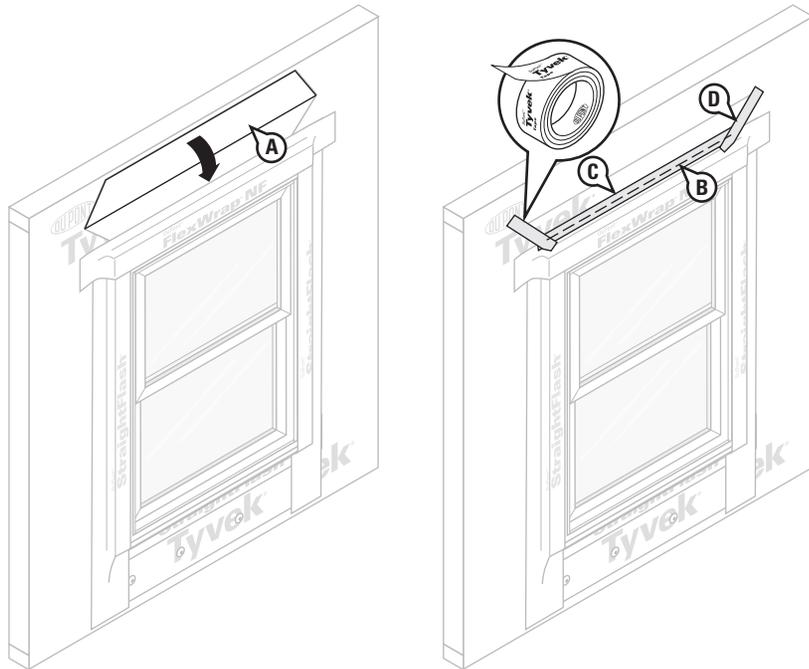
*DuPont™ StraightFlash™ or DuPont™ Flashing Tape may be substituted for the DuPont™ FlexWrap™ NF at the head of the window.



DuPont™ Self-Adhered Flashing Systems Installation Guidelines

STEP 10

- A. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
- B. Cut ~1" strip of the DuPont™ Tyvek® WRB at lower horizontal edge of head flap.
- C. At the head, continuously tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- D. Tape down diagonal seams of the DuPont™ Tyvek® WRB.

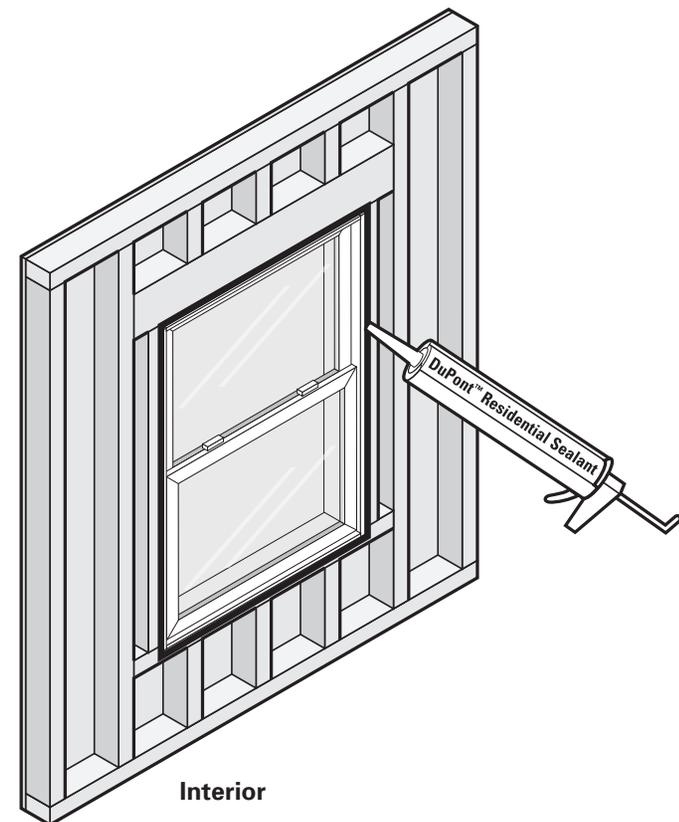


STEP 11

Final Step

Install DuPont™ Residential Sealant, or recommended sealant, (and backer rod as necessary) around the window opening at the interior. It is also acceptable to use DuPont™ Window & Door Foam or recommended foam. The seal created by the sealant (and backer rod as necessary) or foam will also serve as a back dam. DuPont™ Residential Sealant should be tooled flat to allow the natural curing process to create a concave shape. Be sure that the sealant penetrates the grooves of the DuPont™ FlexWrap NF™ around the sill.

NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



Technical Specifications

DuPont™ Tyvek® WRBs used in construction products are made from 100% flash spunbonded high density polyethylene fibers which have been bonded together by heat and pressure, without binders or fillers, into a tough durable sheet structure. Additives have been incorporated into the polyethylene to provide ultraviolet light resistance. DuPont requires that DuPont™ Tyvek® CommercialWrap® and CommercialWrap® D be covered within nine months (270 days) of installation and that all other DuPont™ Tyvek® WRB's be covered within 4 months (120 days) of installation.

DuPont™ self-adhered flashing products are made from a synthetic rubber adhesive and a laminate of polyethylene film, polypropylene film, elastic fiber, synthetic rubber adhesive, polyurethane adhesive, and a top sheet of flash spunbonded high density polyethylene fibers or polypropylene film. Additives have been incorporated into these materials to provide ultraviolet light resistance. DuPont requires that DuPont™ FlexWrap™ NF, and StraightFlash™ be covered within nine months (270 days) of installation. DuPont requires that DuPont™ Flashing Tape be covered within four months (120 days) of installation.

Warning

DuPont™ Tyvek® WRBs are slippery and should not be used in any application where they will be walked on. In addition, because they are slippery, DuPont recommends using kickjacks, scaffolding, or lifts for exterior work above the first floor. If ladders must be used, extra caution must be taken to use them safely by following the requirements set forth in ANSI Standards 14.1, 14.2, and 14.5 for ladders made of wood, aluminum, and fiberglass, respectively. DuPont™ Tyvek® products are combustible and should be protected from flames and other high heat sources. DuPont™ Tyvek® products will melt at 275°F (135°C) and if the temperature of DuPont™ Tyvek® reaches 750°F (400°C), it will burn and the fire may spread and fall away from the point of ignition. For more information, call 1-800-44-Tyvek.

DuPont™ self-adhered flashing products and their release paper are slippery and should not be walked on. Remove release paper from work area immediately. DuPont™ self-adhered flashing products will melt at temperatures greater than 250°F (121°C). DuPont™ self-adhered flashing products are combustible and should be protected from flames and other high heat sources. DuPont™ self-adhered flashing products will not support combustion if the heat source is removed. However, if burning occurs, ignited droplets may fall away from the point of ignition. For more information, call 1-800-44-Tyvek.

DuPont™ Residential 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.

Note

When installed in conjunction with other building materials, DuPont™ self-adhered flashing products must be properly shingled with these materials such that water is diverted to the exterior of the wall system. DuPont™ Tyvek® products are air and water barriers and not the primary water 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® WRBs. Use of additives, coatings or cleansers on or in the facade system may impact the performance of DuPont™ Tyvek® WRBs. DuPont™ Tyvek® Weatherization Systems products are to be used as outlined in this installation guideline. DuPont™ self-adhered flashing products should only be used to seal penetrations and flash openings in houses or buildings. DuPont™ self-adhered flashing 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 air and water barrier and exterior sheathing, high quality windows and doors, and appropriate flashing materials paying attention to proper installation of each component. In a system where no exterior sheathing is used and DuPont™ Tyvek® WRBs are installed directly over the wall studs, exterior facade materials should be selected to ensure maximum protection against water intrusion. Careful workmanship and proper installation of each component is very important.

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 visit www.weatherization.tyvek.com or call 1-800-44-Tyvek.

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

