

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



DuPont™ Flashing Systems Installation Guidelines

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



Tyvek.

FOR BUILDINGS LESS THAN 5 STORIES

REVISION 10/11

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Applicable Products

Flashing Products

PRODUCT	DIMENSIONS	AREA
DuPont™ FlexWrap™ NF*	6 in x 75 ft 9 in x 75 ft	37.50 sq ft 56.20 sq ft
DuPont™ FlexWrap™*	9 in x 75 ft 9 in x 250 ft	56.2 sq ft 187.5 sq ft
DuPont™ StraightFlash™	4 in x 150 ft 9 in x 125 ft	50 sq ft 93.75 sq ft
DuPont™ StraightFlash™ VF	6 in x 125 ft	62.5 sq ft
DuPont™ Flashing Tape	4 in x 100 ft 6 in x 100 ft 9 in x 100 ft	33.33 sq ft 50.2 sq ft 75 sq ft
DuPont™ FlexWrap™ RW for Single Stud Application	9 in x 6 in	0.38 sq ft
DuPont™ FlexWrap™ RW for Double Stud Application	9 in x 6 in	0.38 sq ft

* These installation instructions are applicable to both DuPont™ FlexWrap™ and FlexWrap™ NF which can be used interchangeably throughout the installation guide.

Necessary Materials

- DuPont™ Flashing
- DuPont™ Tyvek® Tape
- DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant

Optional Materials

- DuPont™ Tyvek® Wrap Caps or other recommended fasteners
- Brushes for Surface Preparation
- Backer rod
- J -roller
- Recommended Primers
- "L" shaped back dam is a 3/4" corner guard (used on interior gypsum)

Recommended Primers*

MANUFACTURER	PRODUCT NAME
3M	Hi-Strength 90
Denso	Butyl Primer (spray or can)

*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.

DuPont Recommended Low Expansion Foams

MANUFACTURER	PRODUCT NAME
DuPont	DuPont™ Window & Door Foam

DuPont Recommended Fasteners*

MANUFACTURER	PRODUCT NAME
DuPont	DuPont™ Tyvek® Wrap Cap nails
DuPont	DuPont™ Tyvek® Wrap Cap screws
DuPont	DuPont™ Tyvek® Wrap Cap staples (for Stinger™ or Crossfire® cap stapler)**
DuPont™ Tyvek® Wrap Cap with alternate screws	
1.0 inch minimum crown staples**	

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

** Except when installing DuPont™ Tyvek® WRBs over foam sheathing and other non-nail-base sheathings.

Warranty

Please see DuPont Weatherization Products Limited Warranty for buildings less than 5 stories at www.Weatherization.Tyvek.com.

General Instructions

For buildings less than 5 stories

For performance requirements exceeding ASTM E1677, 65 mph equivalent structural load and 15 mph equivalent wind-driven rain water infiltration for buildings less than 5 stories, or for installations that specify a window/door design rating of DP45 or greater, it is recommended to install a high pressure skirt to help prevent water intrusion at the sill or threshold and follow the *DuPont™ Flashing Systems Commercial Installation Guidelines*.

DuPont™ 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.

When cutting the Water-Resistive Barrier (WRB) to prepare the opening, remove an additional 1" strip of the WRB head flap to allow more room for the tape adhesive to seal the head flashing.

Apply pressure along entire surface of flashing for a good bond using a J-roller or firm hand pressure.

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, DuPont™ Commercial Sealant, or recommended sealant.

DuPont™ Flashing Systems Installation Guidelines

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™ Residential Sealant and DuPont™ Commercial 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.

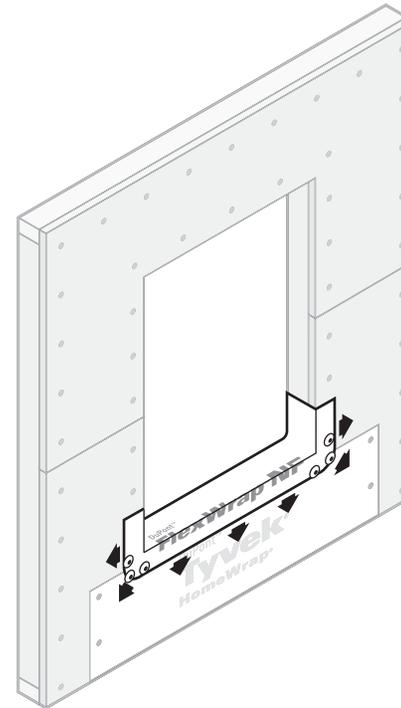
DO NOT STRETCH DuPont™ FlexWrap™ NF when installing along the length of sills or jambs. DuPont™ FlexWrap™ NF is only intended to be extended when covering corners or curved sections.

These installation instructions are applicable to both DuPont™ FlexWrap™ NF and FlexWrap™ which can be used interchangeably throughout the installation guide. However, DuPont™ FlexWrap™ must be secured with recommended fasteners as shown in the illustration at right. DuPont™ Flashing Systems products perform best when installed at temperatures above 25°F (-4°C).

DuPont™ Flashing Systems products should not be installed over cap fasteners.

Priming is generally not required for adhering DuPont™ Flashing Systems products to most common building materials. However, adverse weather conditions or cold temperatures may require use of a primer to promote adhesion. Additionally, concrete, masonry, and glass mat gypsum sheathing require the use of approved primers. For primer recommendations, see page 3.

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



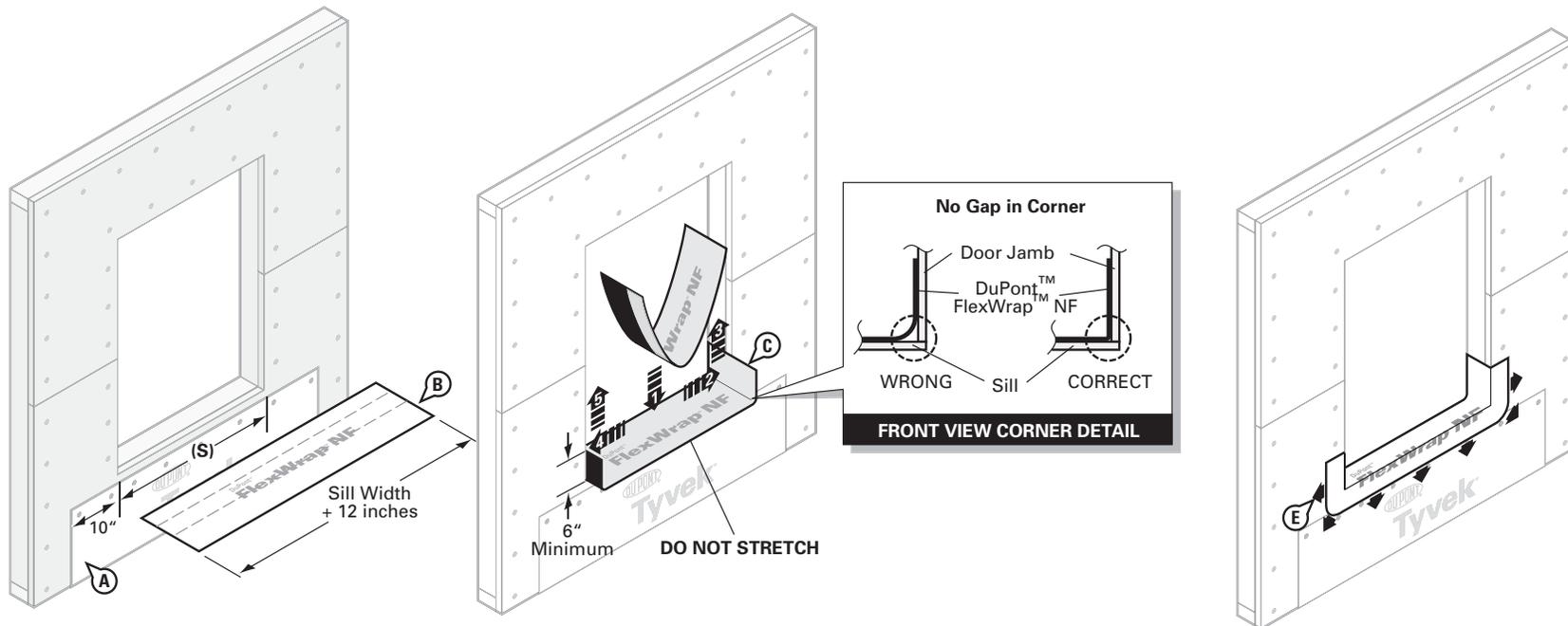
Integral Flanged Window BEFORE Water-Resistive Barrier (WRB) is Installed

Method applies to the following products:

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

STEP 1 – FOR RECTANGULAR WINDOWS

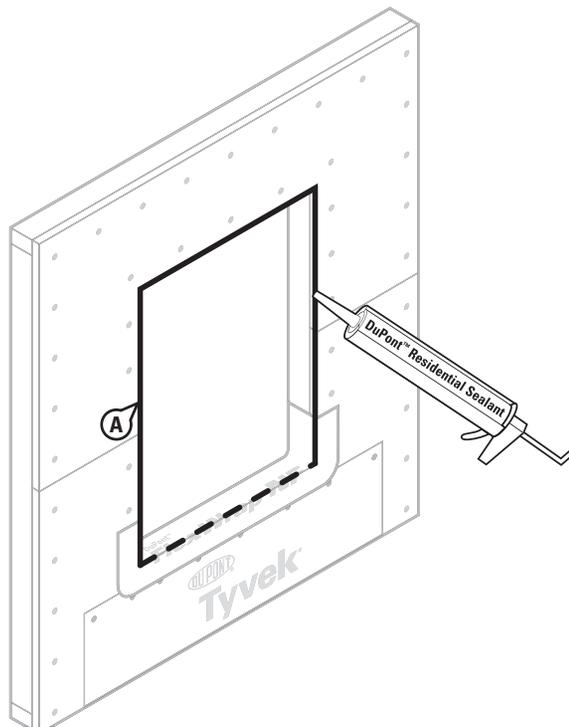
- Attach apron made of DuPont™ Tyvek® WRB under sill. Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to the wall and the bottom of the apron should be left unsecured so it can overlap the DuPont™ Tyvek® WRB which will be installed after the window.
- Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of sill rough opening (S).
- Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening across sill and up jambs (min. 6" on each side).
- Remove second release paper.
- Fan out DuPont™ FlexWrap™ NF at bottom corners onto the face of the wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



DuPont™ Flashing Systems Installation Guidelines

STEP 2

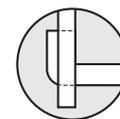
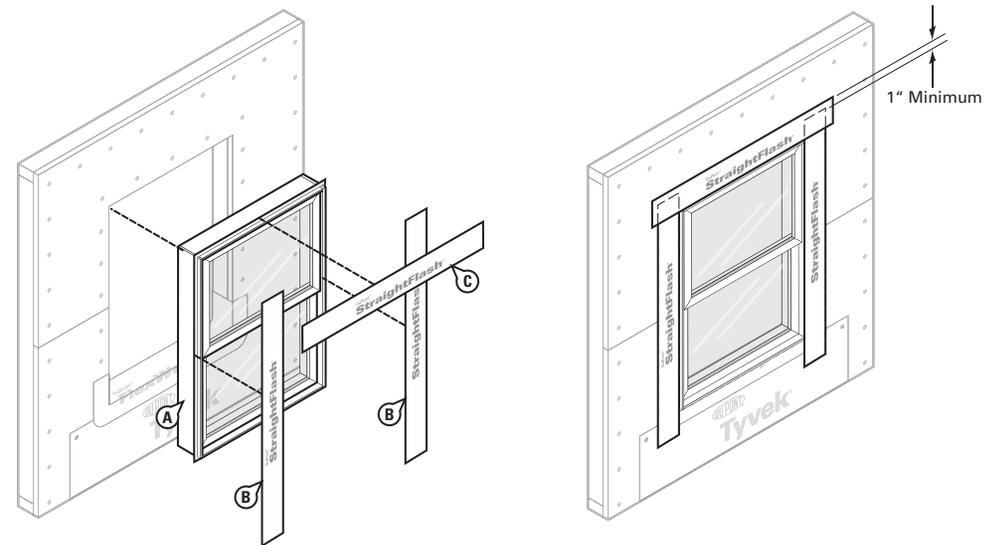
- A. Apply DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant on three sides (jambs and head) as shown below. If sealant is applied to the sill, ensure that there are at least two (2) 2" gaps in the sealant bead for every 4' of window to allow for drainage.



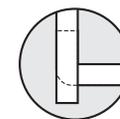
STEP 3 - FOR RECTANGULAR WINDOWS

- A. Install window according to manufacturer's instructions.
- B. 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.
- C. Cut a piece of DuPont™ StraightFlash™, 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 flange and adhering to exposed sheathing or framing members.

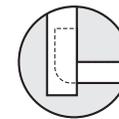
NOTE: Ensure proper shingling. DuPont™ StraightFlash™, DuPont™ Flashing Tape, or DuPont™ FlexWrap™ NF at jambs must overlap the DuPont™ FlexWrap™ NF at the sill and adhere to the DuPont™ Tyvek® WRB below the sill.



INCORRECT
DuPont™
FlexWrap™ NF
reverse flashed



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



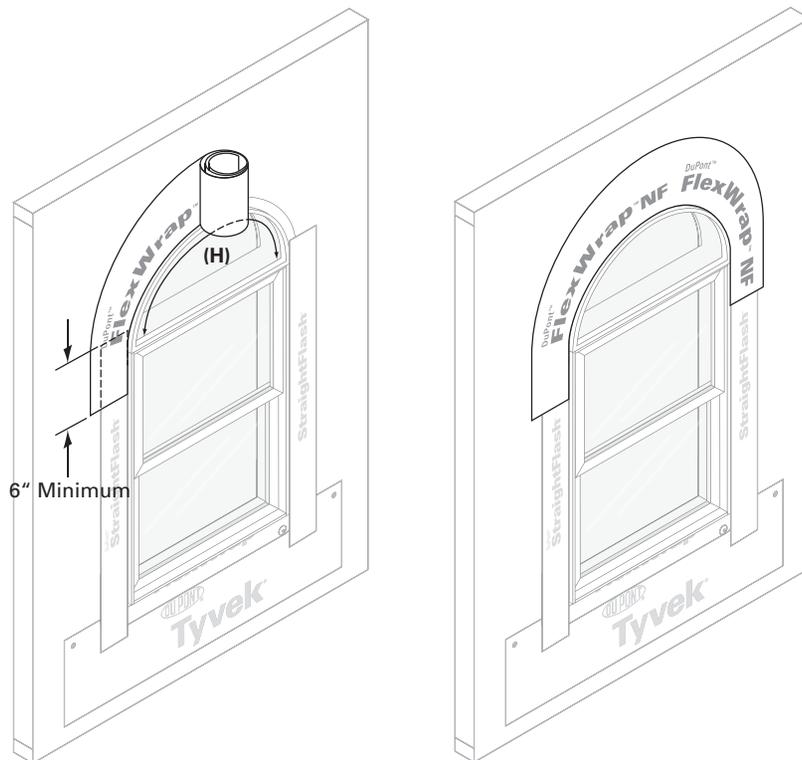
CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

DuPont™ Flashing Systems Installation Guidelines

STEP 4 – FOR ROUNDTOP WINDOWS

NOTE: Follow rectangular window instructions (Steps 1 through 3B) for proper installation of sill and jamb flashing prior to head flashing installation.

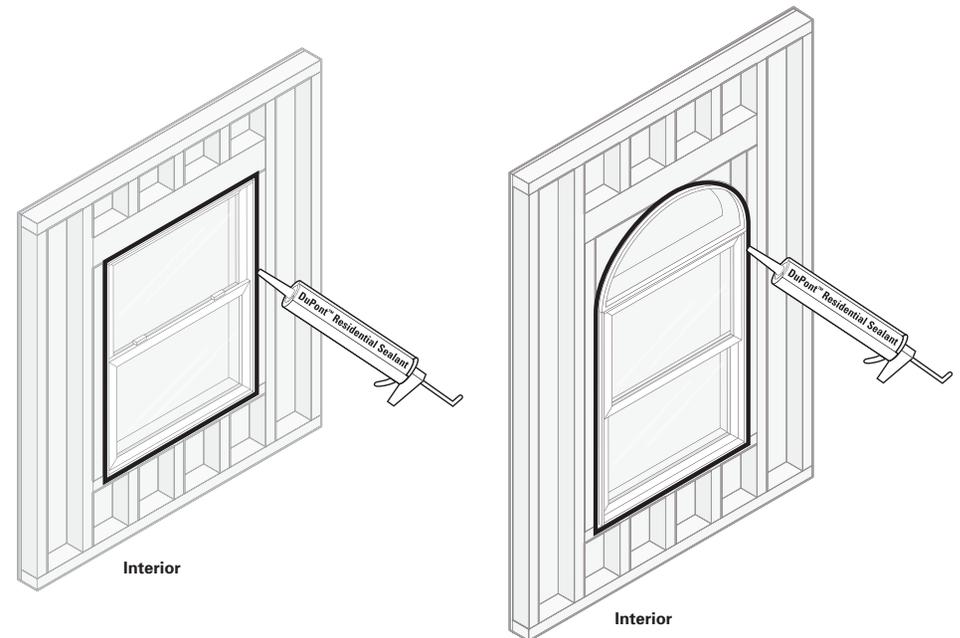
- A. Cut DuPont™ FlexWrap™ NF head flashing at least 12" **LONGER** than the arc length (H) of roundtop window.
- B. Remove both release papers and install to conform around top of window, covering entire mounting flange and adhering to exposed sheathing or framing members. Head flashing should overlap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



STEP 5

Install DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant (and backer rod as necessary) around the window opening at the interior. It is also acceptable to use DuPont™ Window and 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 or DuPont™ Commercial 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.

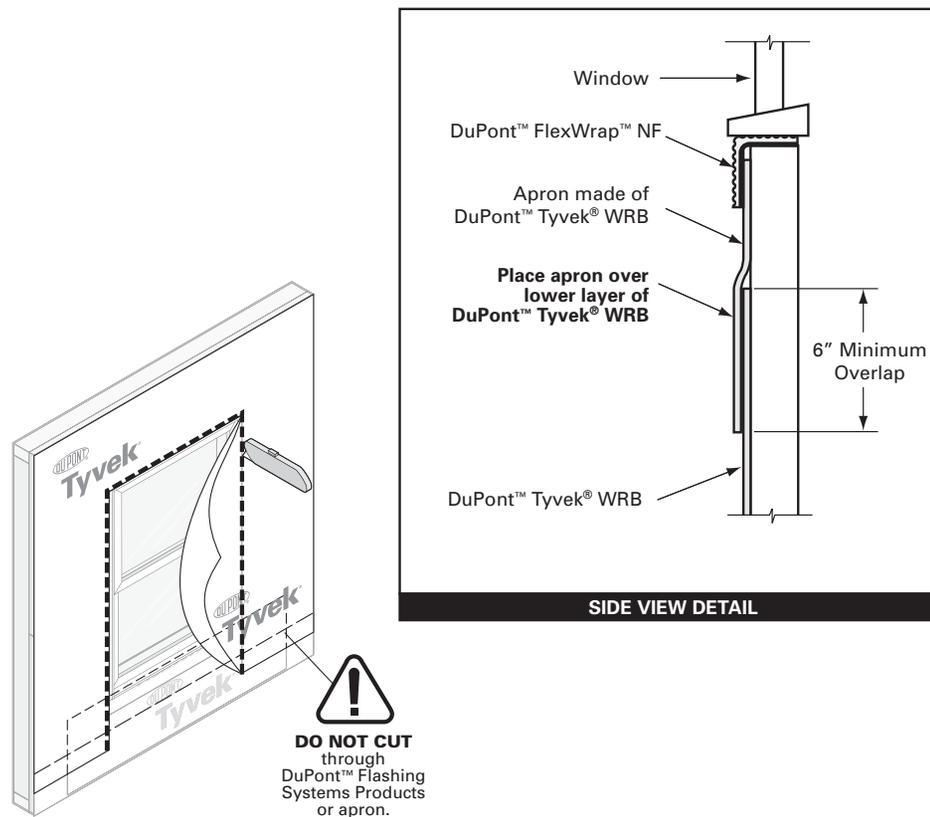


DuPont™ Flashing Systems Installation Guidelines

STEP 6

After installing the DuPont™ Tyvek® WRB, cut as shown to expose window and apron. (Refer to the *DuPont™ Tyvek® Water-Resistive and Air Barriers Installation Guidelines* to install the DuPont™ Tyvek® WRB properly).

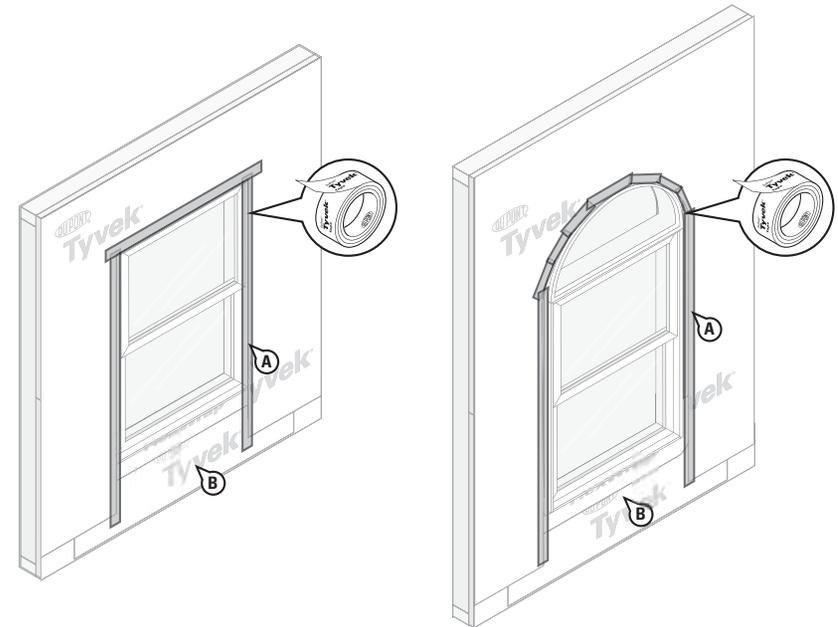
DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 7

Final Step

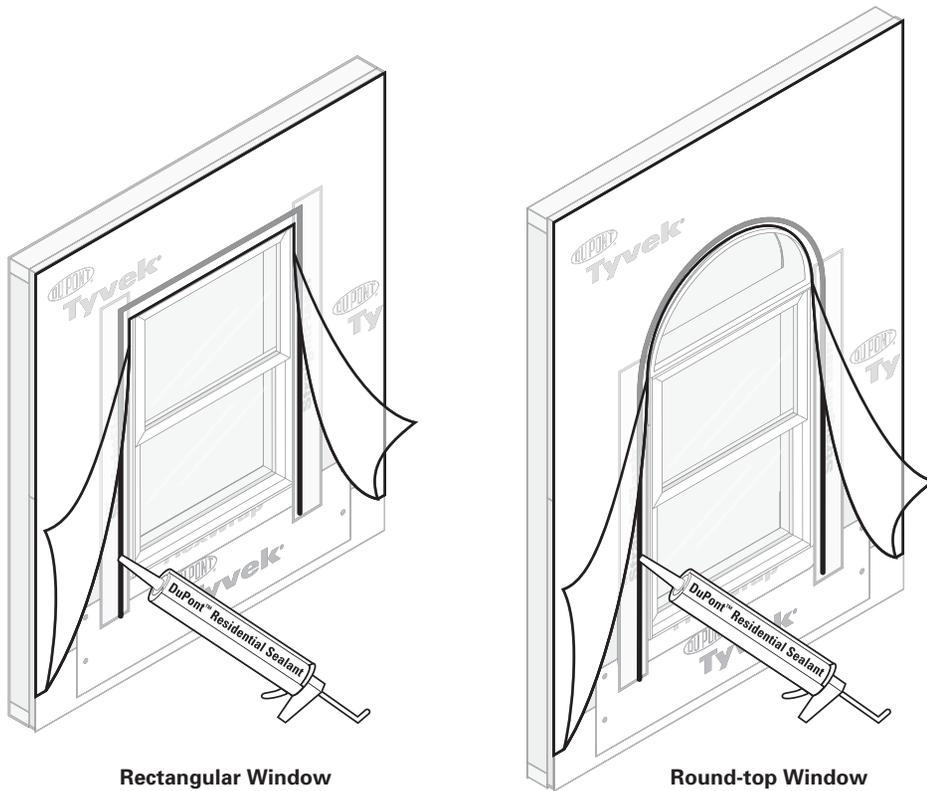
- Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- Lap bottom of apron and DuPont™ Tyvek® WRB over building materials below for proper shingling.



DuPont™ Flashing Systems Installation Guidelines

ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.



Integral Flanged Door BEFORE Water-Resistive Barrier (WRB) is Installed

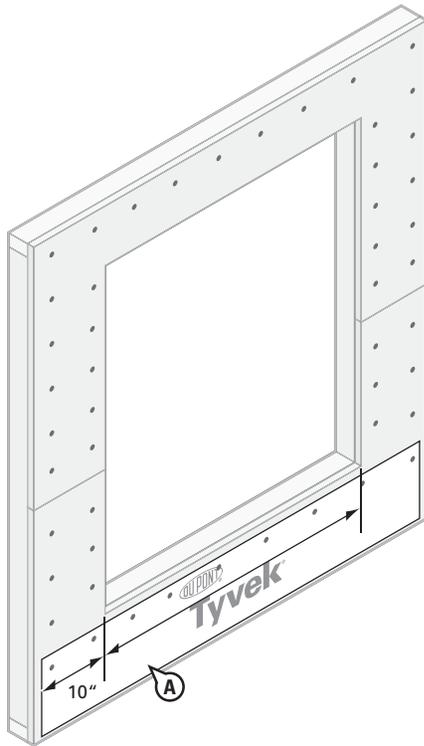
This method can be used for doors with field applied flanges. This installation guideline is intended for doors installed above grade and/or with wood floor construction.

Method applies to the following products:

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

STEP 1

- A. Attach apron made of DuPont™ Tyvek® WRB under sill. Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to the wall and the bottom of the apron should be left unsecured so it can overlap the DuPont™ Tyvek® WRB which will be installed after the door.

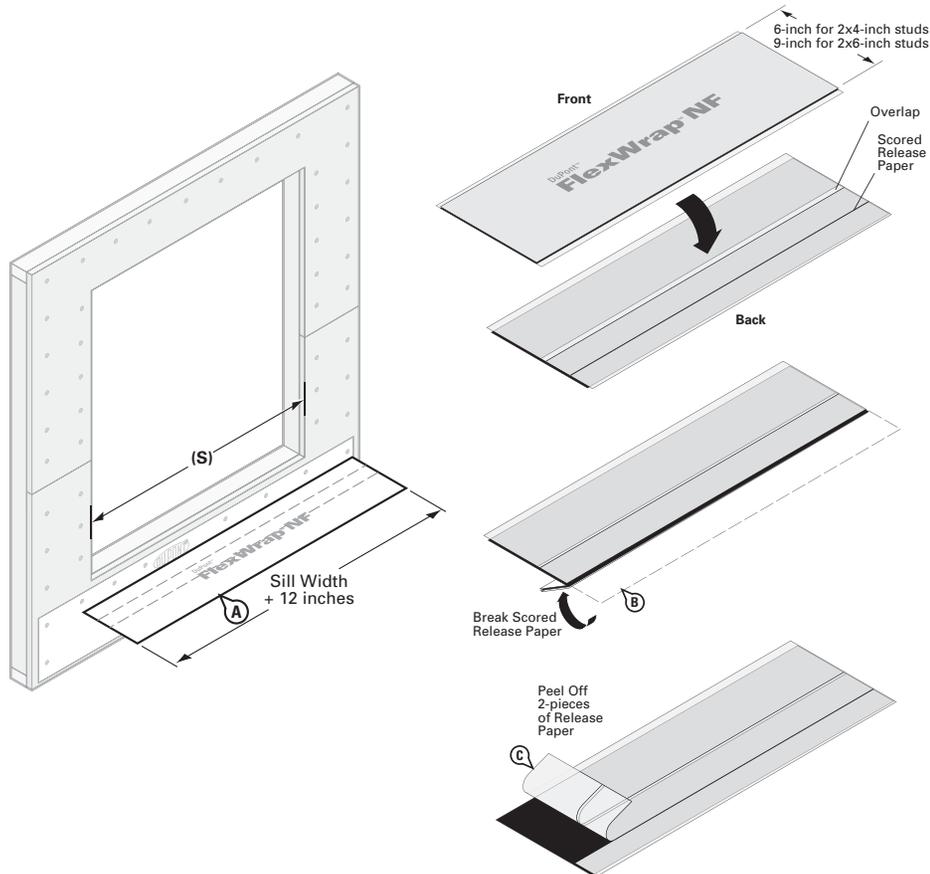


DuPont™ Flashing Systems Installation Guidelines

STEP 2

Preparation of sill flashing:

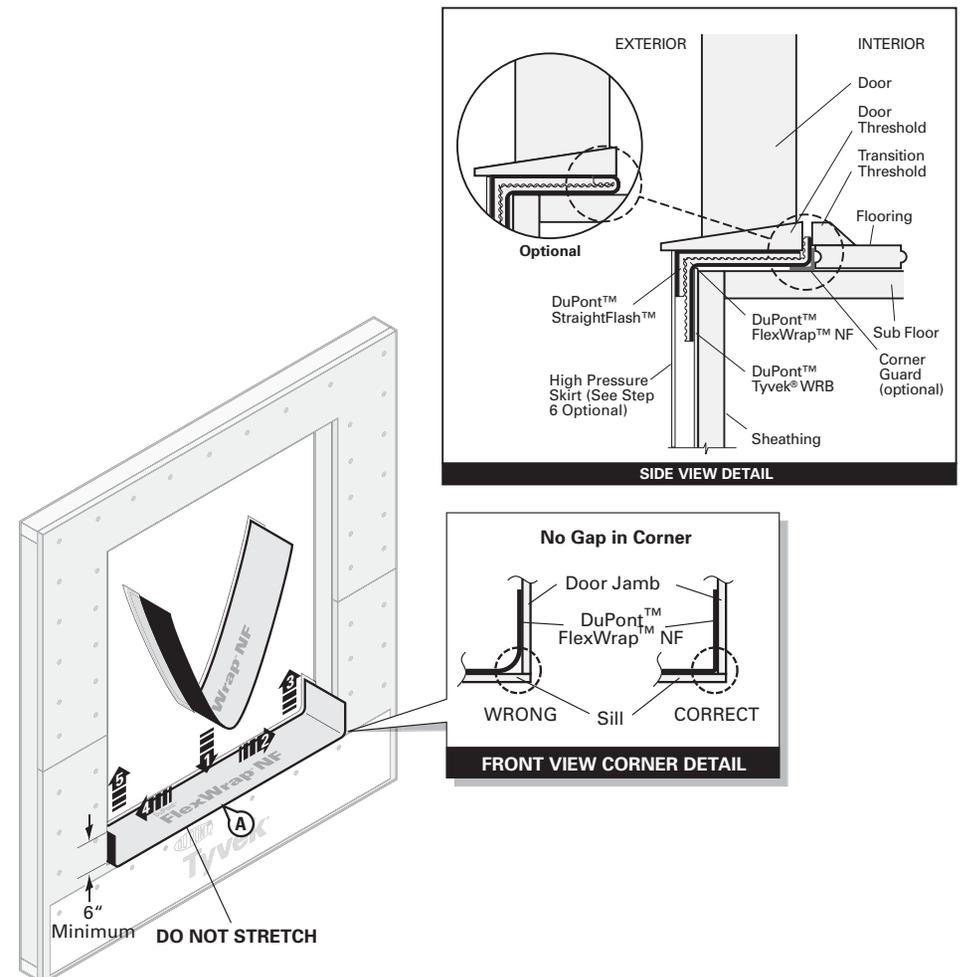
- Cut 9" DuPont™ FlexWrap™ NF at least 12" **LONGER** than the width of the sill (S).
- 9" DuPont™ FlexWrap™ NF has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
- Remove the two widest 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 leaving the 1" of DuPont™ FlexWrap™ NF with release paper extending it past the door threshold on the inside. When the 1" of release paper is removed, there should be 3/4" of flashing to form the back dam.

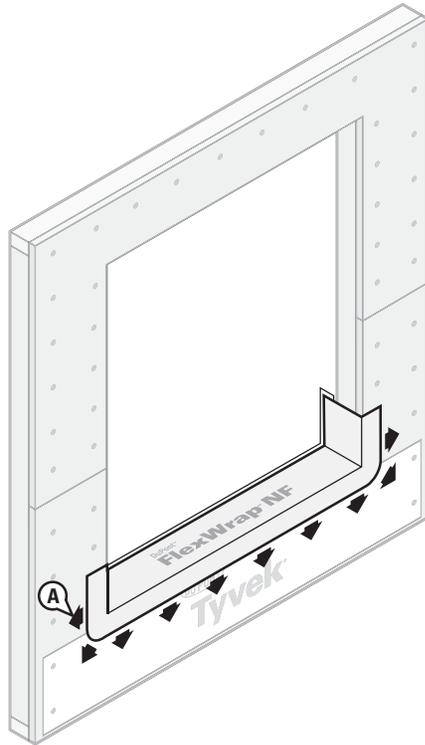
OPTIONAL: Some flooring cannot accommodate a back dam. In that case fold the 1" back dam on top of DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of 1" fold to create a back dam (see Side View Detail in Step 7).



DuPont™ Flashing Systems Installation Guidelines

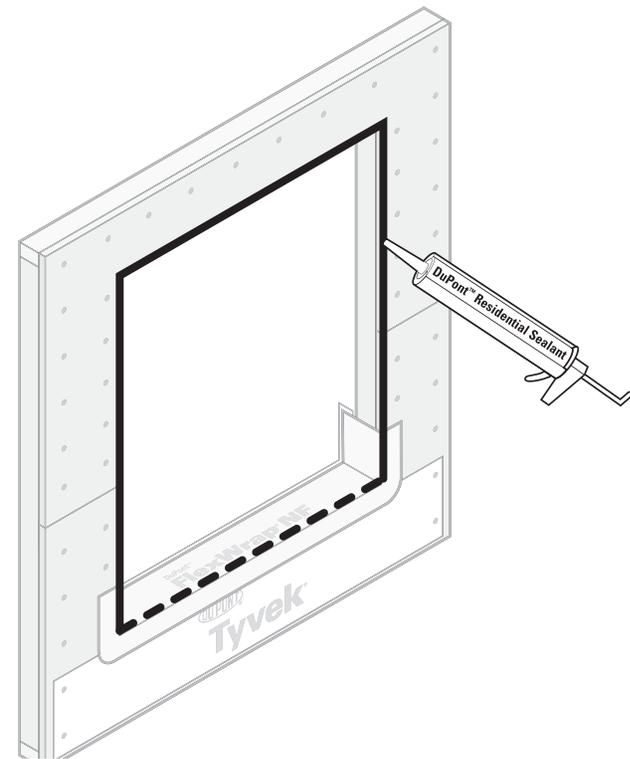
STEP 4

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



STEP 5

- Apply DuPont™ Residential Sealant, DuPont™ Commercial 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.

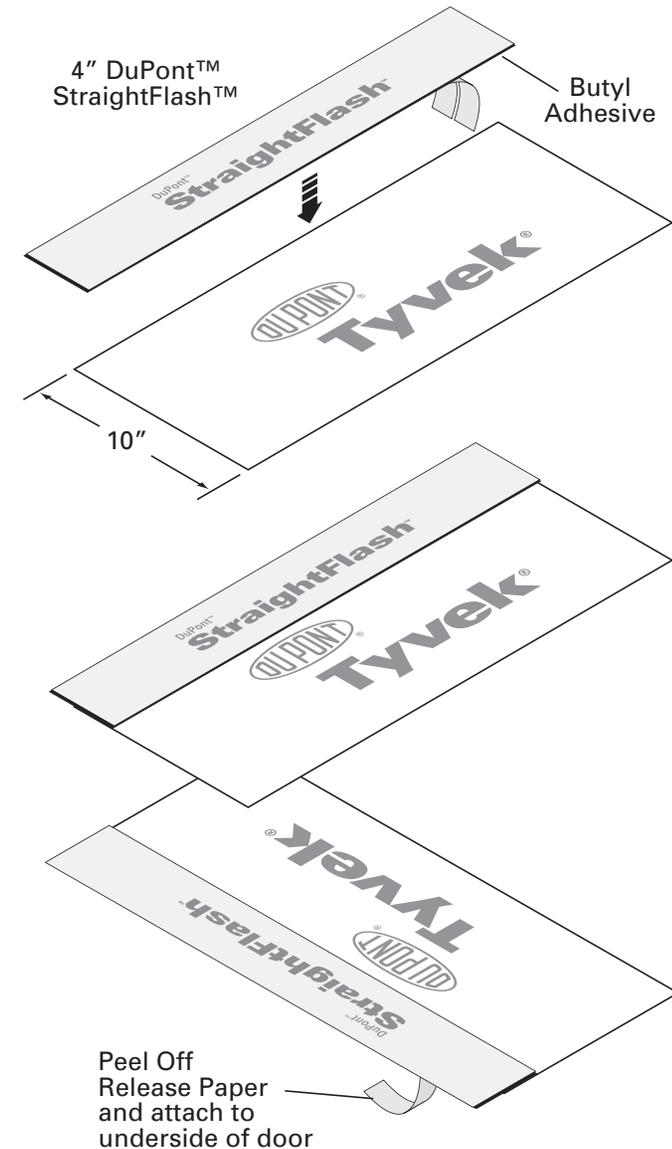


DuPont™ Flashing Systems Installation Guidelines

STEP 6 (OPTIONAL - HIGH PRESSURE SKIRT)

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

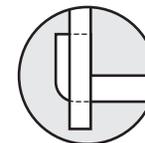
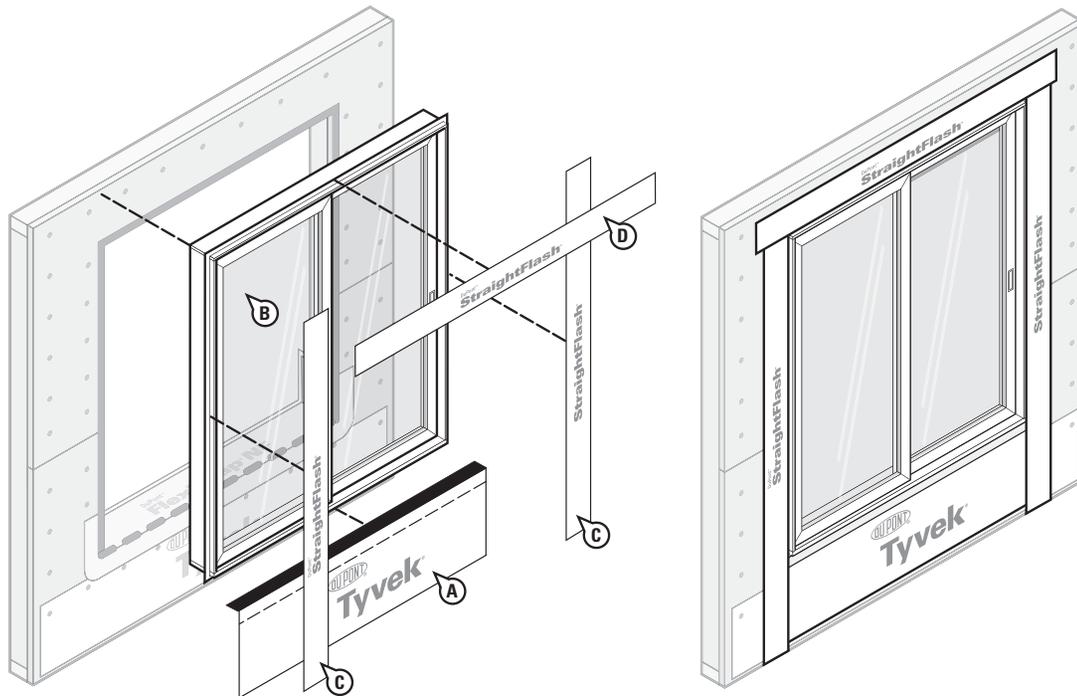
- A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door opening and approximately 10" in depth.
- B. Cut a piece of DuPont™ StraightFlash™ or DuPont™ Flashing Tape to the same width as the skirt. Remove release paper from one side of the DuPont™ StraightFlash™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



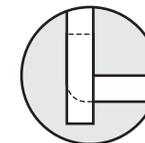
DuPont™ Flashing Systems Installation Guidelines

STEP 7

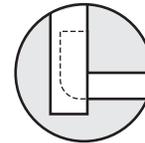
- A. OPTIONAL: Adhere high pressure skirt to bottom of threshold of the door.
- B. Install door according to manufacturer's instructions.
- C. Cut two pieces of DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF, or DuPont™ Flashing Tape for jamb flashing extending 1" above door head flange and below bottom edge of high pressure skirt. Remove release paper and press tightly along sides of door frame.
- D. Cut a piece of DuPont™ StraightFlash™, 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.



INCORRECT
DuPont™
FlexWrap™ NF
reverse flashed



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



CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

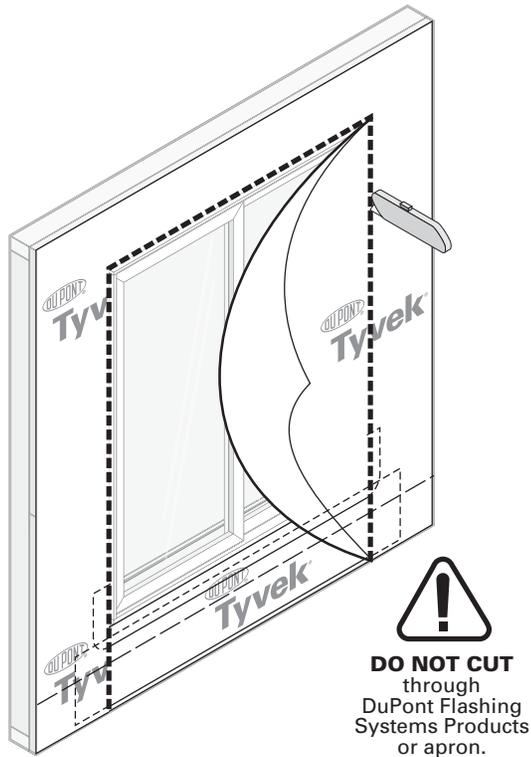
NOTE: Ensure proper shingling. DuPont™ StraightFlash™, DuPont™ Flashing Tape, or DuPont™ FlexWrap™ NF at jambs must overlap the DuPont™ FlexWrap™ NF at the sill and adhere to the DuPont™ Tyvek® WRB below the sill.

DuPont™ Flashing Systems Installation Guidelines

STEP 8

After installing the DuPont™ Tyvek® WRB, cut as shown to expose door and apron. (Refer to the *DuPont™ Tyvek® Water-Resistive and Air Barriers Installation Guidelines* to install the DuPont™ Tyvek® WRB properly).

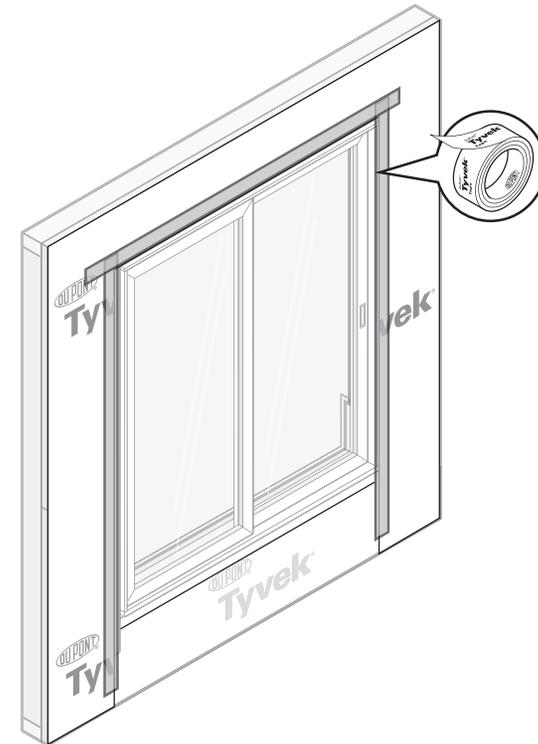
DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 9

A. 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.

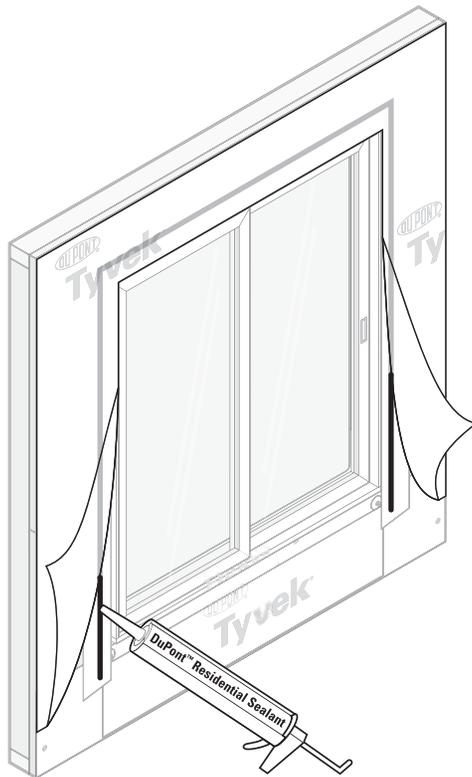
B. Lap bottom of apron and the DuPont™ Tyvek® WRB over building materials below for proper shingling.



DuPont™ Flashing Systems Installation Guidelines

ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.

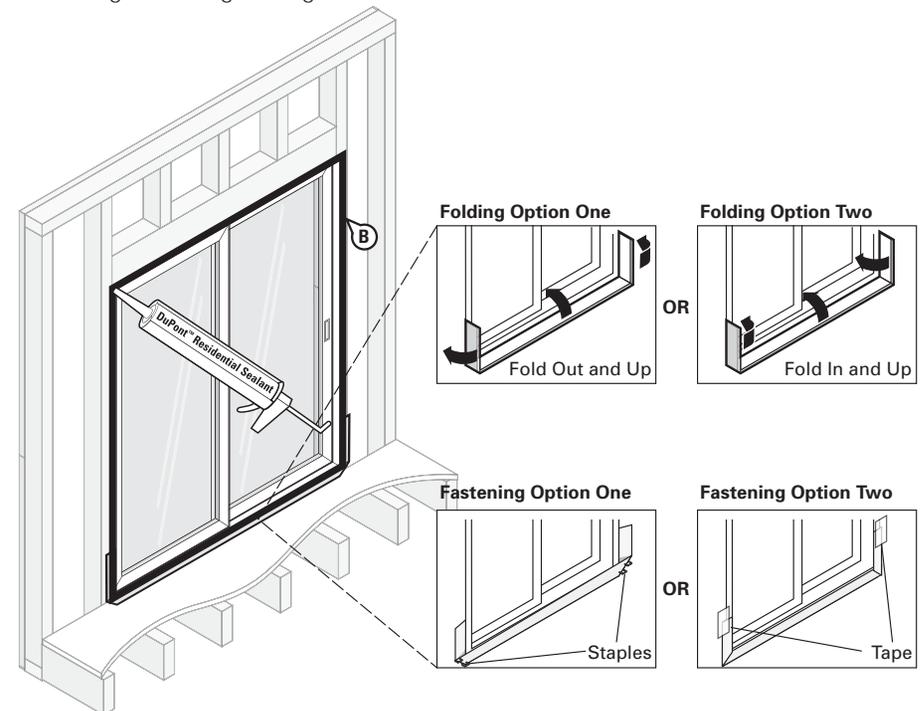


STEP 10

Final Step

- 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, DuPont™ Commercial 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 or DuPont™ Commercial 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 BEFORE Water-Resistive Barrier (WRB) Is Installed

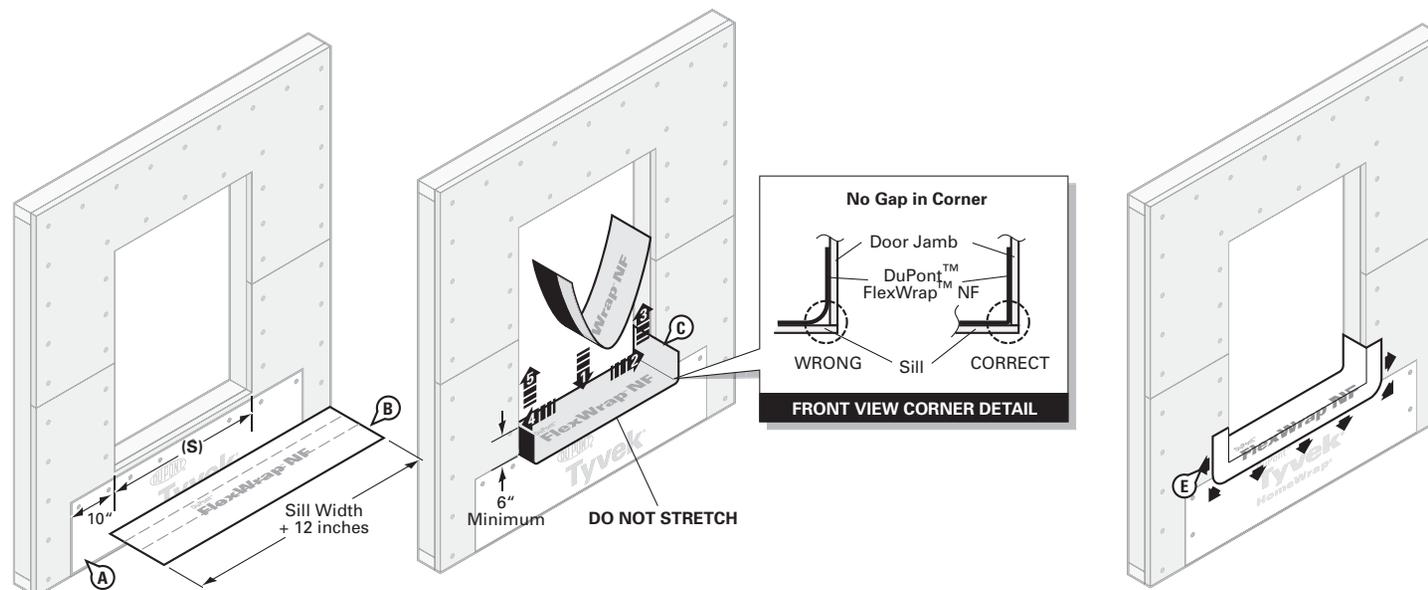
This installation guide can also be used for windows with field applied nailing fins and non-flanged windows.

Method applies to the following products:

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

STEP 1 – FOR RECTANGULAR WINDOWS

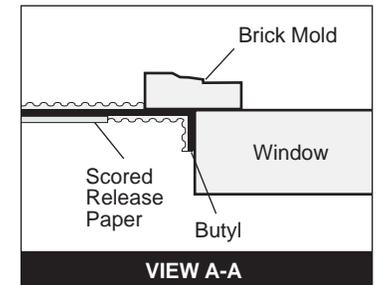
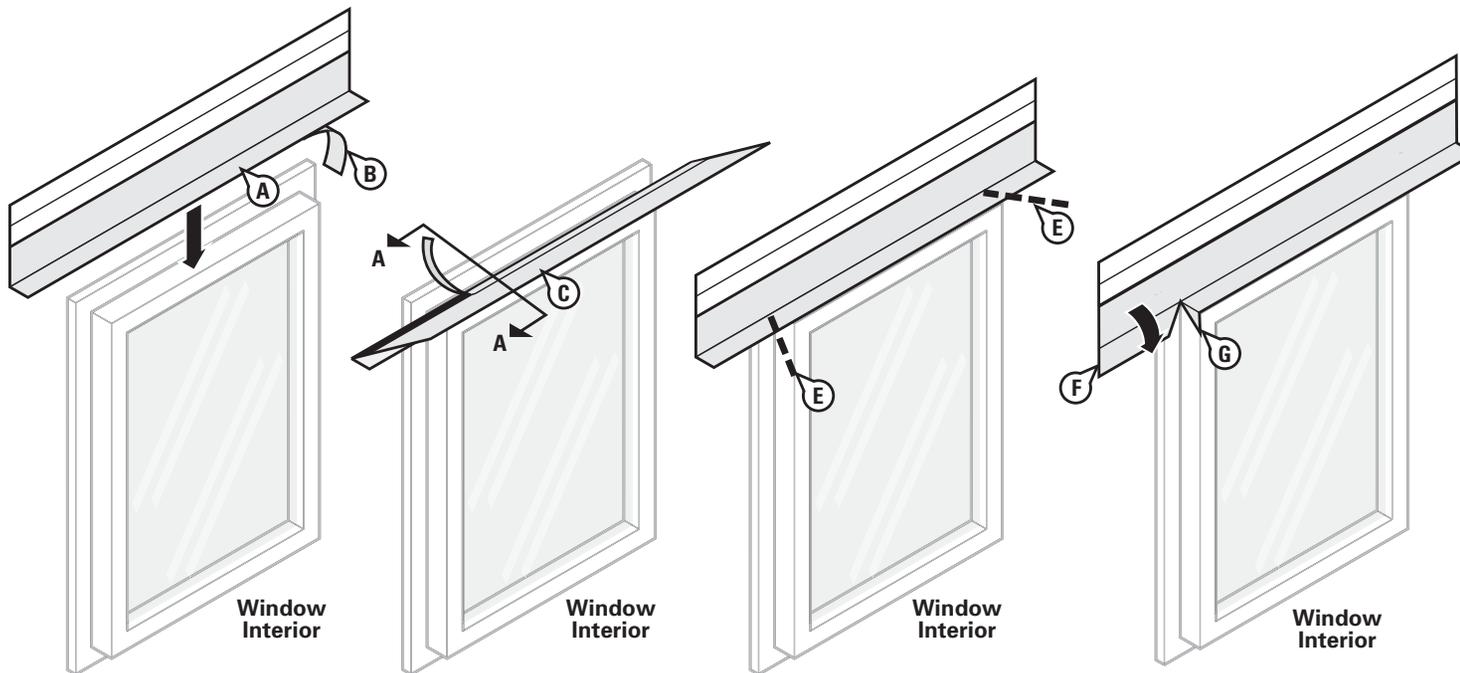
- Attach apron made of DuPont™ Tyvek® WRB under sill. Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to the wall and the bottom of the apron should be left unsecured so it can overlap the DuPont™ Tyvek® WRB which will be installed after the window.
- Cut DuPont™ FlexWrap™ NF at least 12" longer than width of sill rough opening (S).
- Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening across sill and up jambs (min. 6" on each side).
- Remove second release paper.
- Fan out DuPont™ FlexWrap™ NF at bottom corners onto the face of the wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



DuPont™ Flashing Systems Installation Guidelines

STEP 2

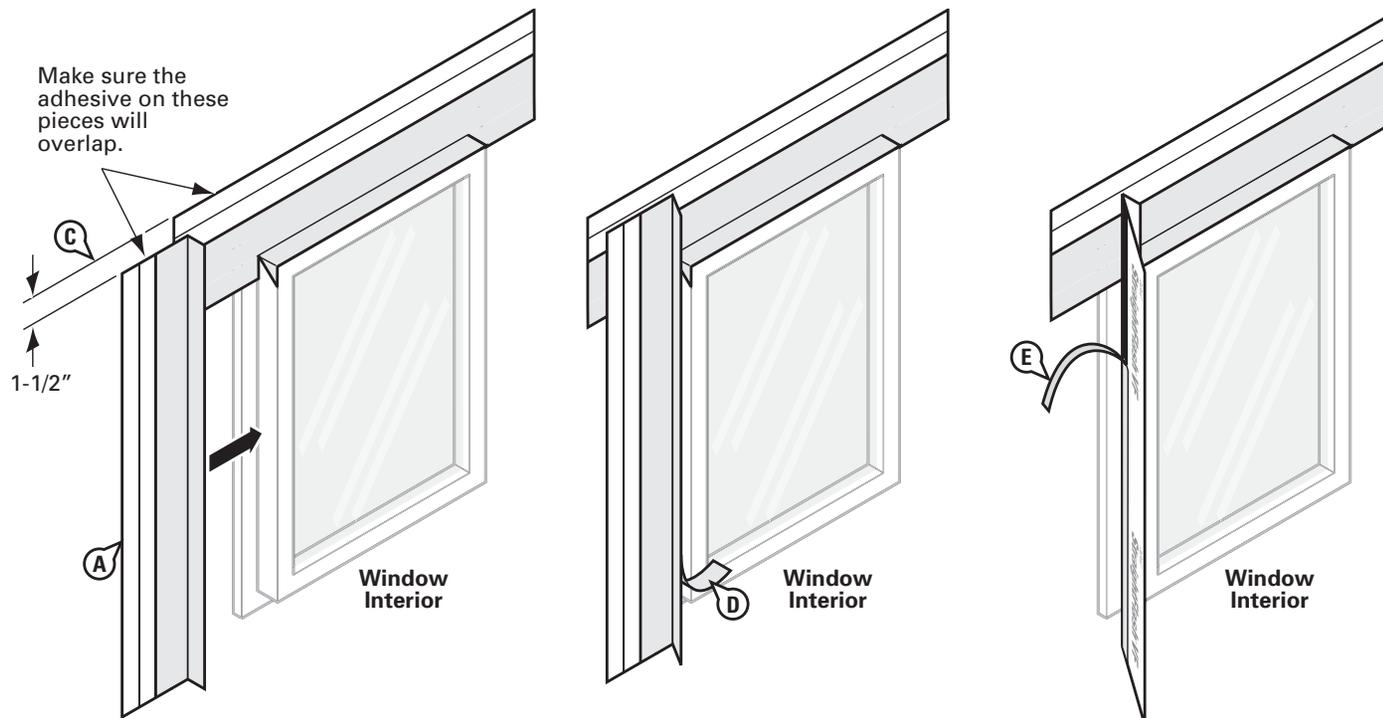
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one side of the head flashing by folding it back and forth upon itself.
- C. Center the DuPont™ StraightFlash™ VF along the length of 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 the head, and away from the corner, cut DuPont™ StraightFlash™ VF at a 45° angle.
- F. Fold the newly created flaps down against the brick mold or flange.
- G. Fold remaining head flashing flaps down onto the jamb.



DuPont™ Flashing Systems Installation Guidelines

STEP 3

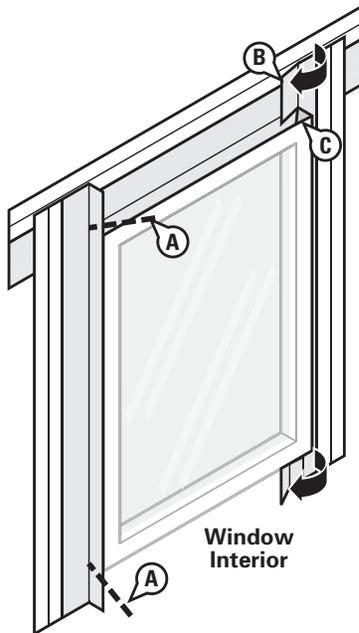
- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb.
- B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
- C. Position so that the DuPont™ StraightFlash™ VF contacts the 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 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™ Flashing Systems Installation Guidelines

STEP 4

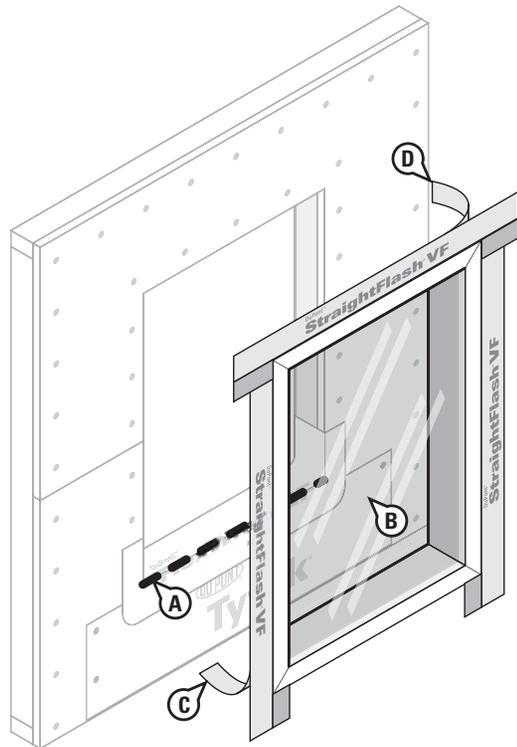
- A. Beginning at the junction of the jamb and the head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle. Repeat the procedure at the junction of the sill and jambs.
- B. Fold cut jamb flashing parallel to the window frame so that the jamb flashing lies flat.
- C. Fold the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



DuPont™ Flashing Systems Installation Guidelines

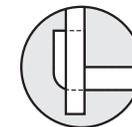
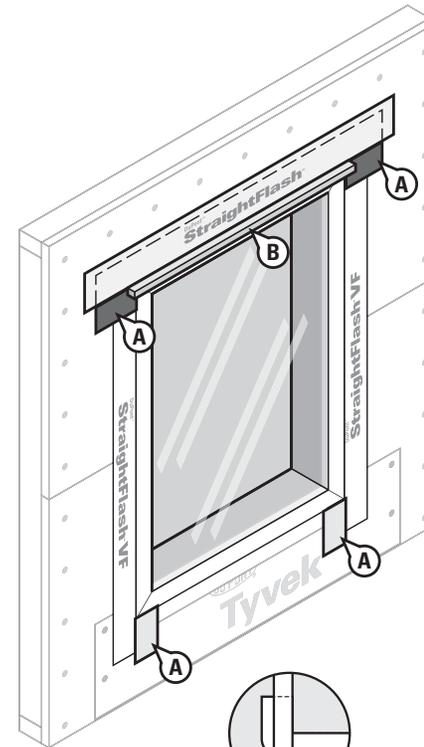
STEP 5

- If sealant is applied to the sill, ensure that there are at least two (2) 2" gaps in the sealant bead to allow for drainage for every 4' of window using DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant.
- Install window according to manufacturer's installation instructions.
- Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the exterior sheathing or framing members.
- Remove the release paper at the head and adhere it to the exterior sheathing or framing members.

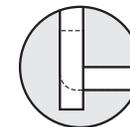


STEP 6 (OPTIONAL)

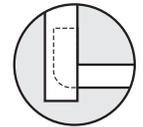
- Cover exposed butyl with DuPont™ StraightFlash™, DuPont™ Flashing Tape or DuPont™ Tyvek® Tape.
- Cut a piece of metal or vinyl drip cap slightly longer than the width of the window and place a bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant on the rear side. Install the drip cap tight against brick mold and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.



INCORRECT
DuPont™
FlexWrap™ NF
reverse flashed



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



CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

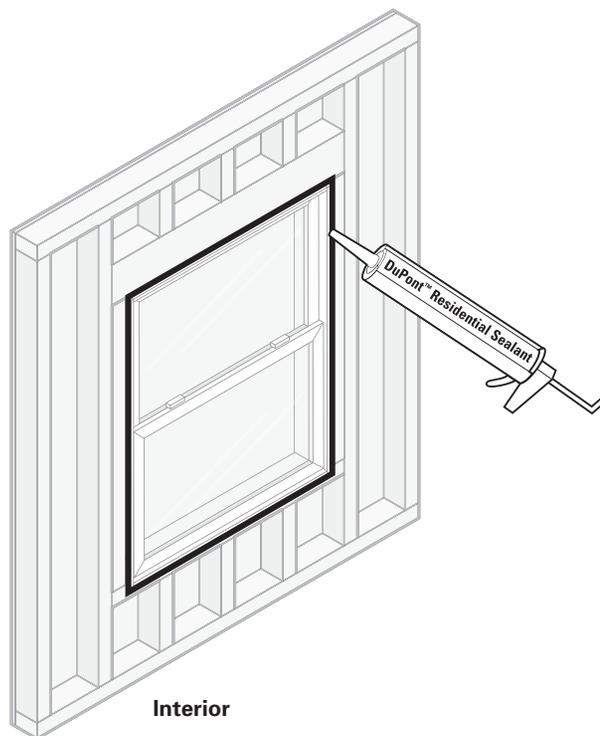
NOTE: Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ NF and adhere to the substrate.

DuPont™ Flashing Systems Installation Guidelines

STEP 7

Install DuPont™ Residential Sealant, DuPont™ Commercial 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 or DuPont™ Commercial 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.

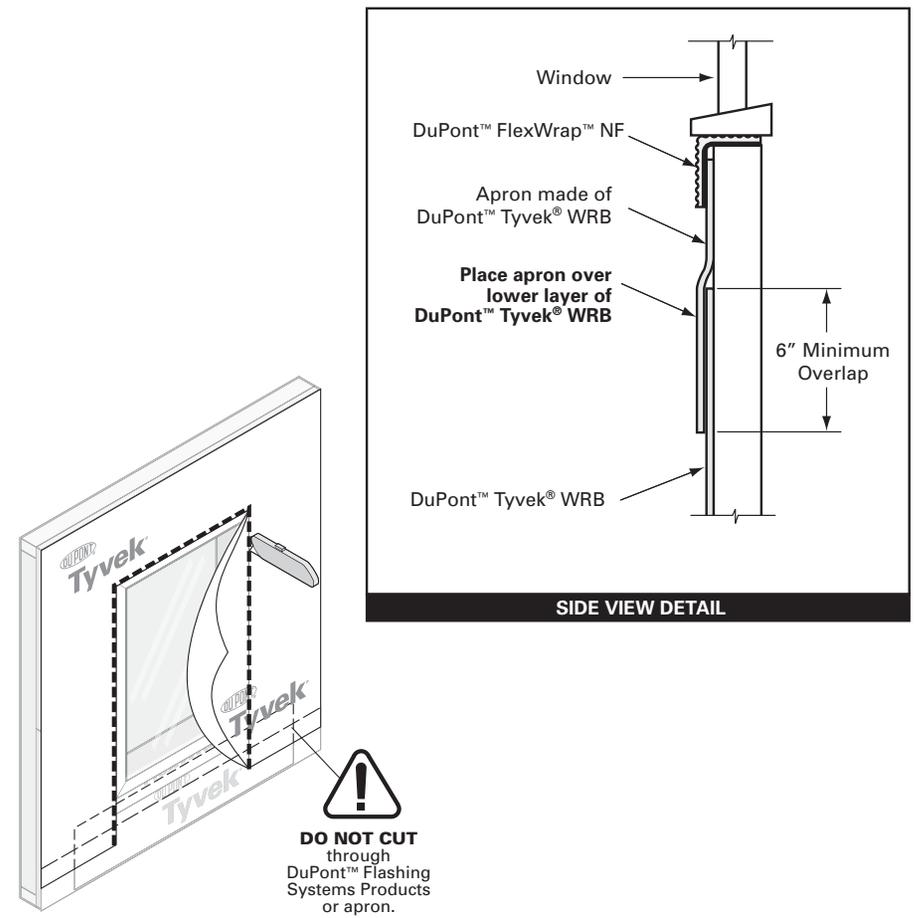
NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



STEP 8

After installing the DuPont™ Tyvek® WRB, cut as shown to expose window and apron. (Refer to the *DuPont™ Tyvek® Water-Resistive and Air Barriers Installation Guidelines* to install the DuPont™ Tyvek® WRB properly).

DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.

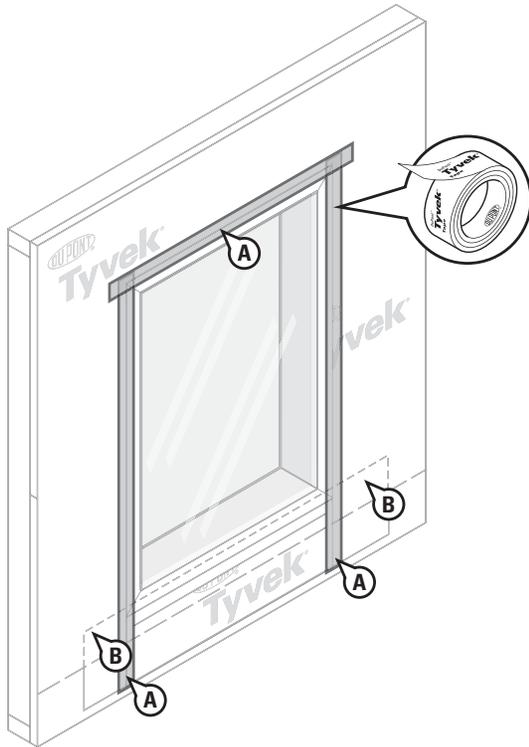


DuPont™ Flashing Systems Installation Guidelines

STEP 9

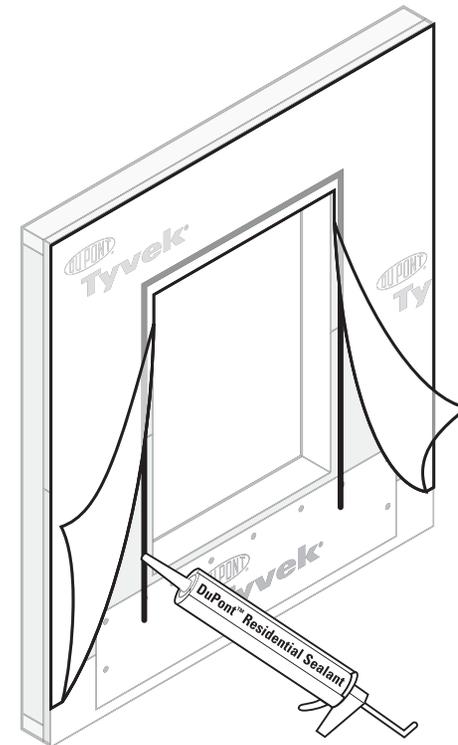
Final Step

- A. 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.
- B. Lap bottom of apron and DuPont™ Tyvek® WRB over building materials below for proper shingling.



ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.



Brick Mold Door BEFORE Water-Resistive Barrier (WRB) Is Installed

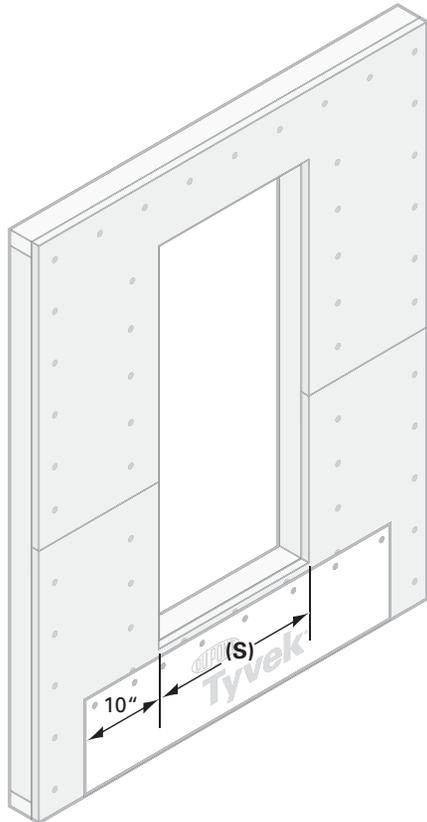
This installation guide is intended for doors installed above grade and with wood floor construction.

Method applies to the following products:

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

STEP 1

Attach apron made of DuPont™ Tyvek® WRB under sill (S). Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to the wall and the bottom of the apron should be left unsecured so it can overlap the DuPont™ Tyvek® WRB which will be installed after the door.

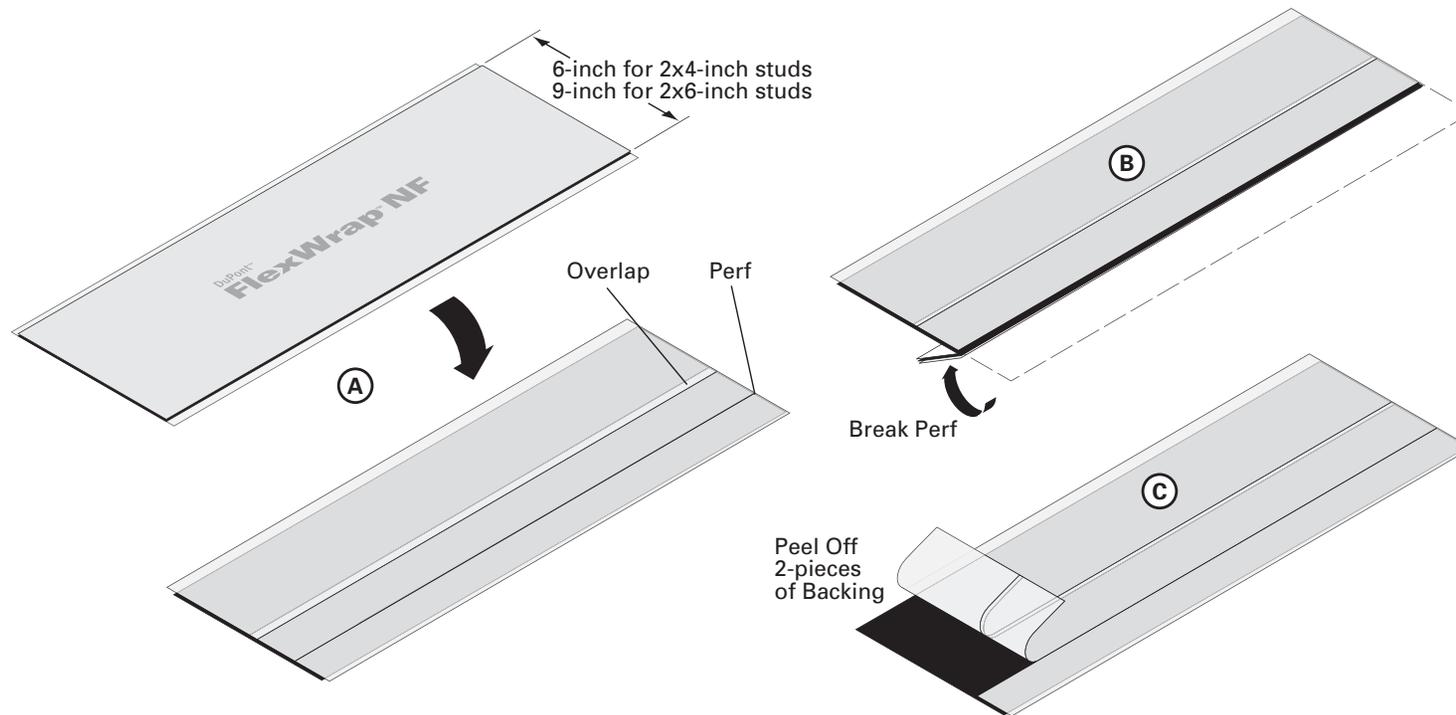


DuPont™ Flashing Systems Installation Guidelines

STEP 2

Preparation of sill flashing:

- A. Cut piece of DuPont™ FlexWrap™ NF at least 12" **LONGER** than the width of the sill (S).
- B. 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.

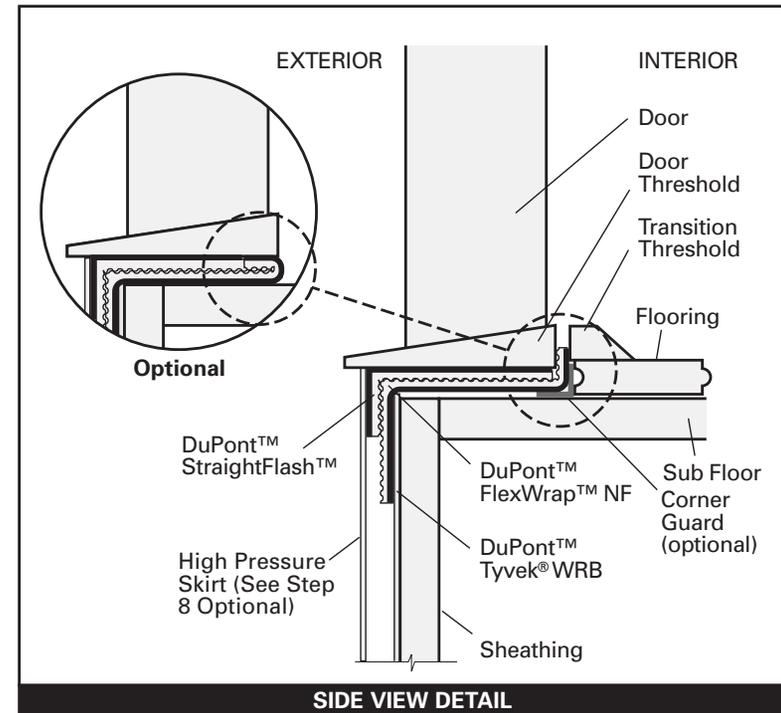
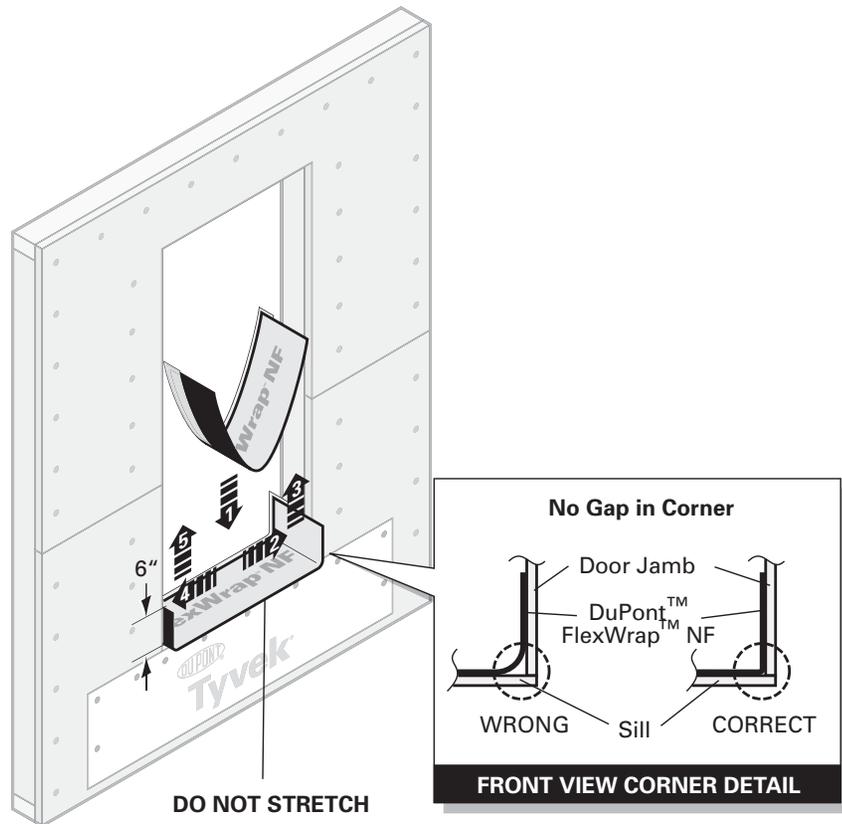


DuPont™ Flashing Systems Installation Guidelines

STEP 3 (OPTIONAL BACK DAM)

Install the sill flashing as indicated leaving the 1" of DuPont™ FlexWrap™ NF with release paper extending it past the door threshold on the inside. When the 1" of release paper is removed, there should be 3/4" of flashing to form the back dam.

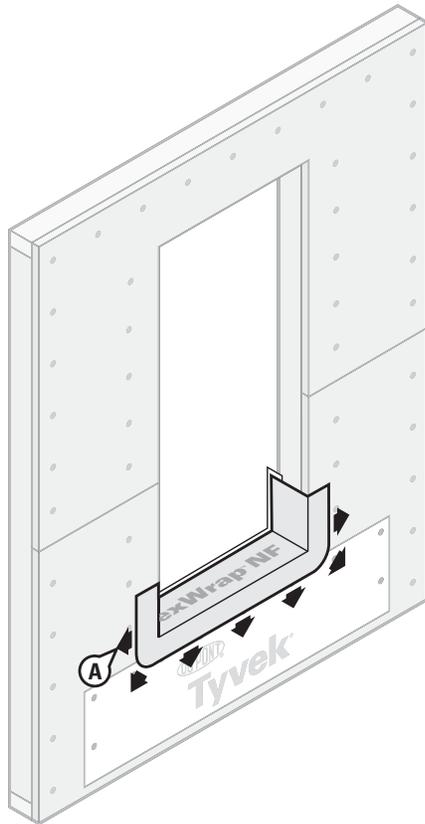
OPTION 2: Some flooring cannot accommodate a back dam. In that case fold the 1" back dam on top of DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of the 1" fold to create a back dam.



DuPont™ Flashing Systems Installation Guidelines

STEP 4

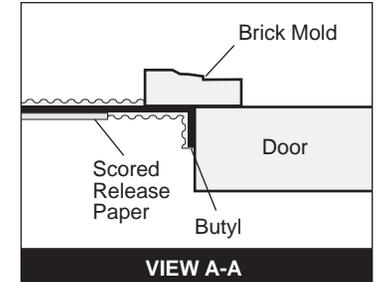
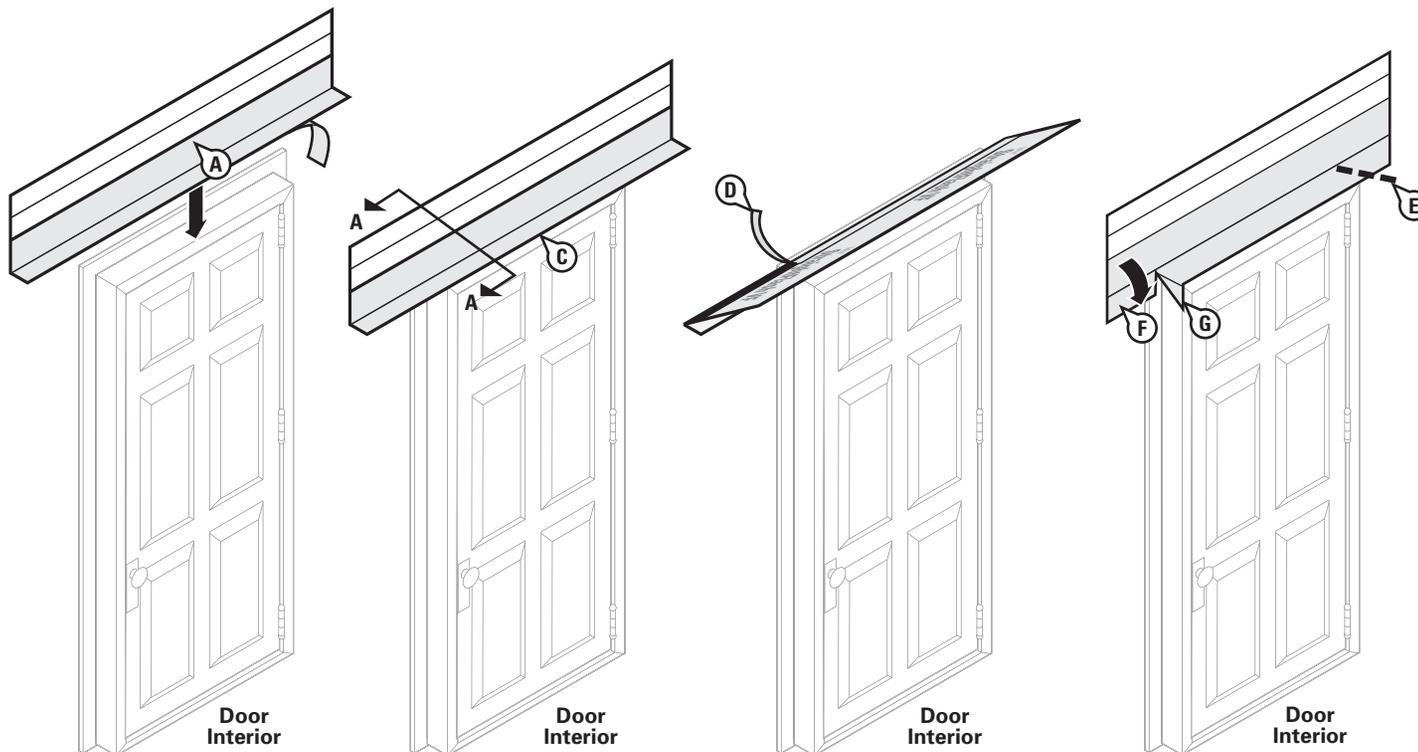
- A. Fan out DuPont™ FlexWrap™ NF at bottom corners onto the face of the wall.
Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



DuPont™ Flashing Systems Installation Guidelines

STEP 5 (FOR BRICK MOLD DOORS)

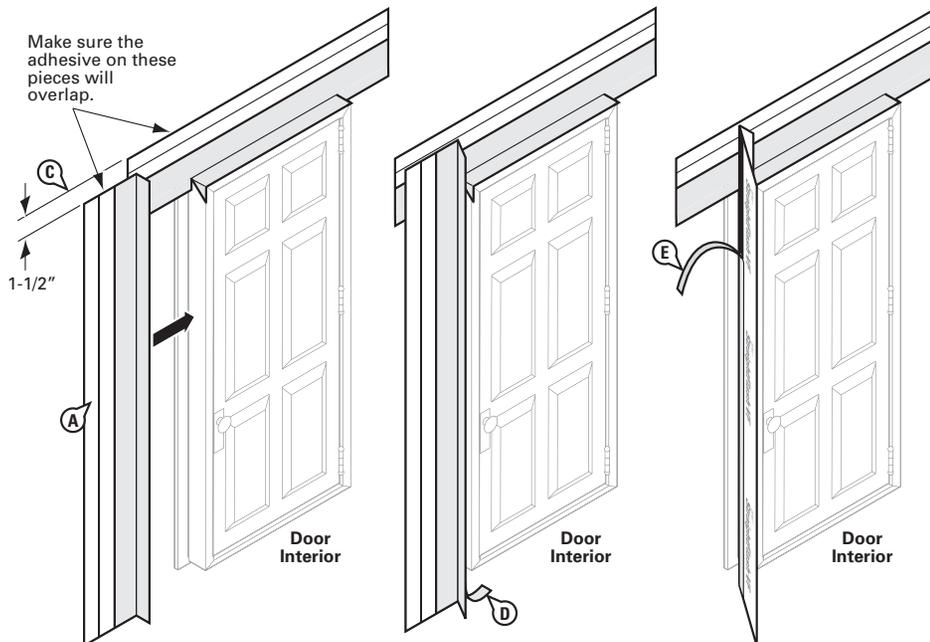
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one edge of the head flashing by folding it back and forth upon itself.
- C. Center the DuPont™ StraightFlash™ VF along the length 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 and adhere the flashing to the back of the brick mold or flange.
- E. At the corner of the door frame, 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™ Flashing Systems Installation Guidelines

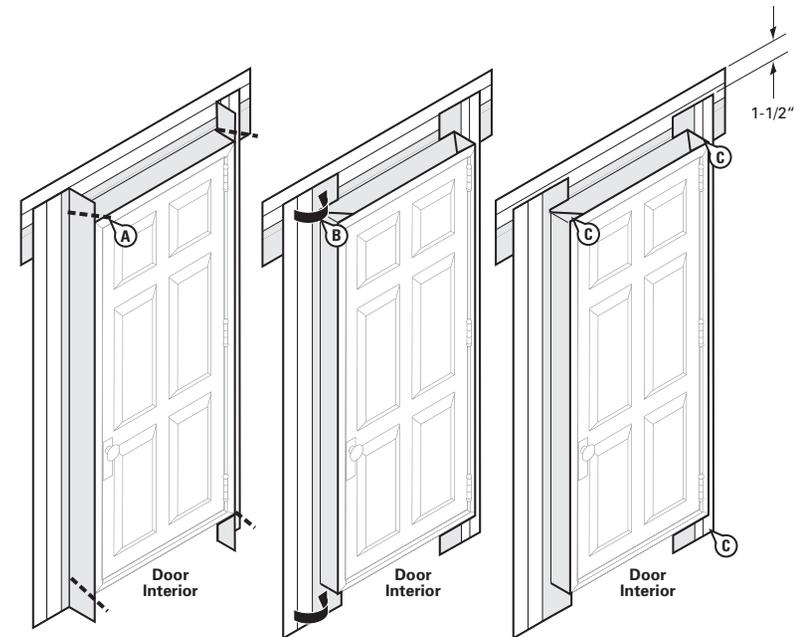
STEP 6

- 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 door 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 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 or flange.
- F. Repeat on opposite jamb.



STEP 7

- 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.



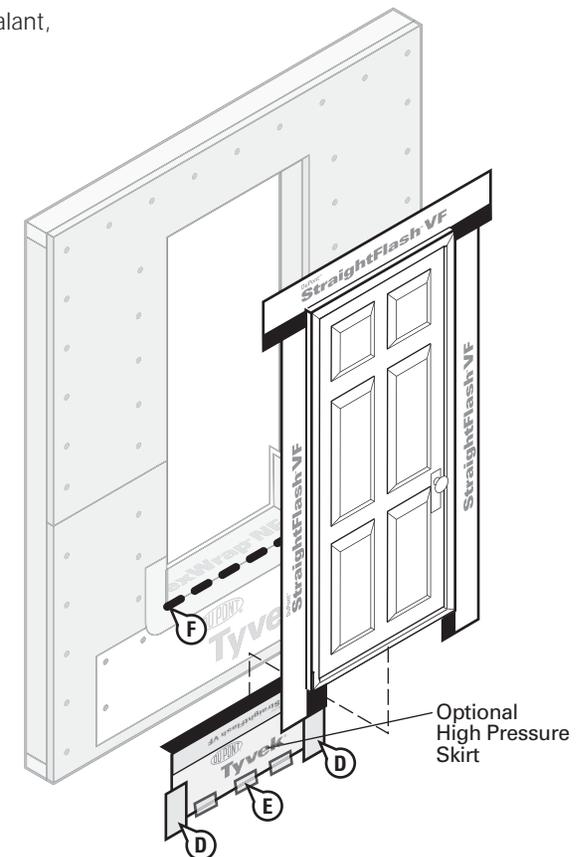
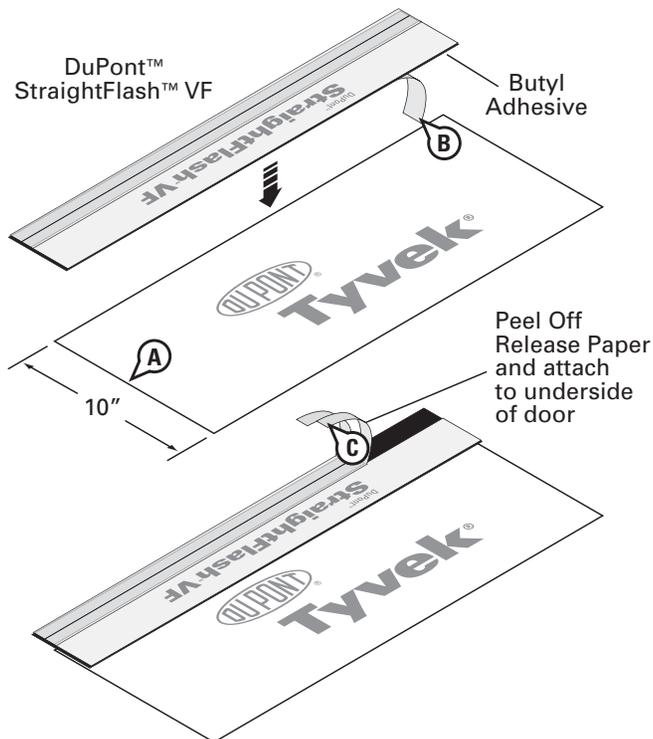
DuPont™ Flashing Systems Installation Guidelines

FOR BRICK MOLD

STEP 8 (OPTIONAL - HIGH PRESSURE SKIRT)

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 the 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 DuPont™ StraightFlash™ VF, DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- 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™ or DuPont™ Flashing Tape.
- 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 sill, insure (2) 2" gaps to allow for drainage for every 4' of door using DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant.

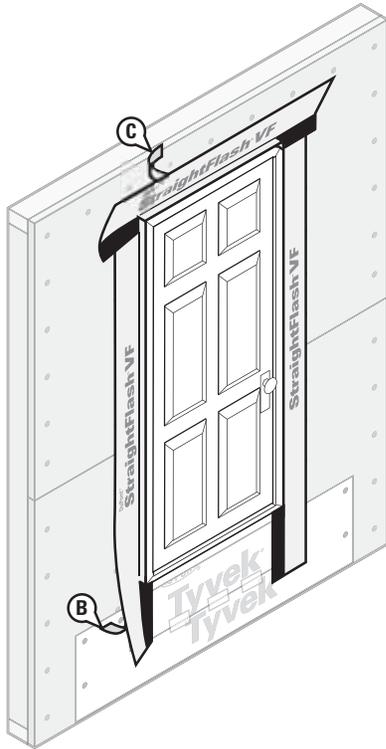


DuPont™ Flashing Systems Installation Guidelines

STEP 9

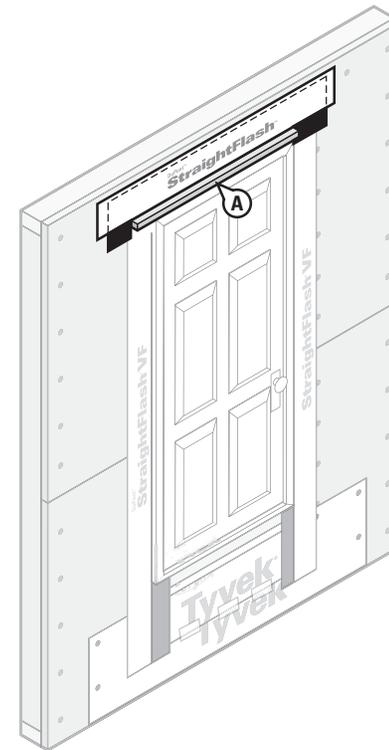
- A. Install door according to manufacturer's installation instructions.
- B. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the exterior sheathing or framing members.
- C. Remove the release paper at the head and adhere it to the exterior sheathing or framing members.

OPTIONAL: Cover exposed butyl with DuPont™ StraightFlash™, DuPont™ Flashing Tape or DuPont™ Tyvek® Tape.



STEP 10 (OPTIONAL)

- A. Cut a piece of metal or vinyl drip cap slightly longer than the width of the door and place a bead of DuPont™ Residential Sealant, DuPont™ Commercial 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.

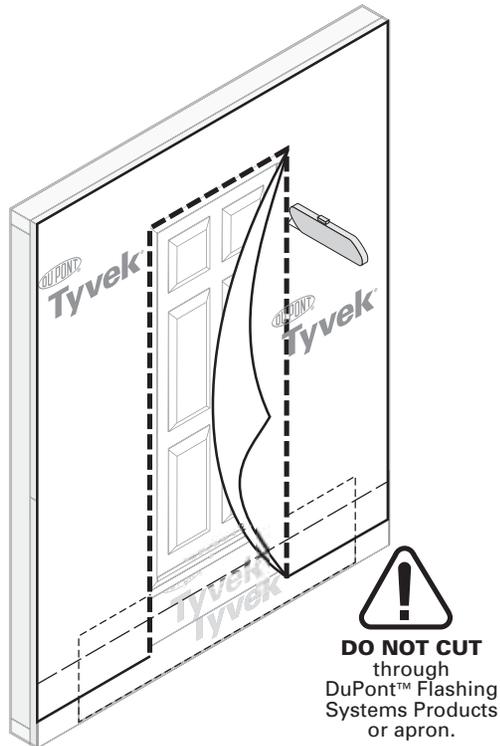


DuPont™ Flashing Systems Installation Guidelines

STEP 11

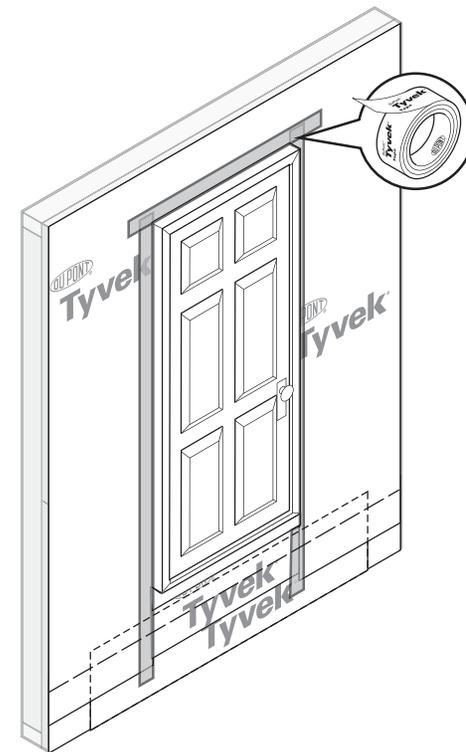
After installing the DuPont™ Tyvek® WRB, cut as shown to expose door and apron. (Refer to the *DuPont™ Tyvek® Water-Resistive and Barriers Installation Guidelines* to install the DuPont™ Tyvek® WRB properly).

DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 12

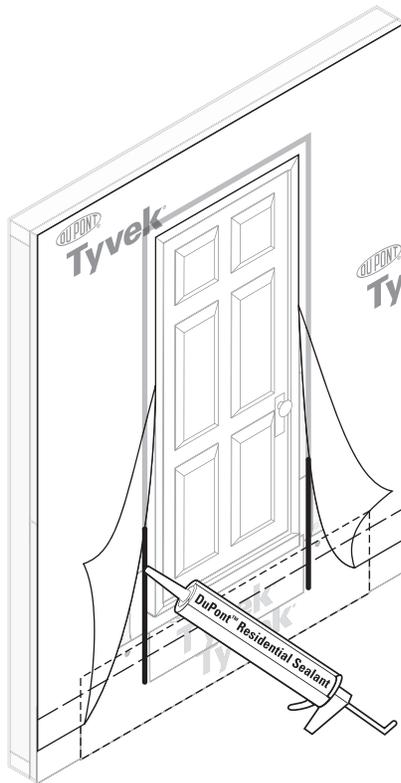
- Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- Lap bottom of apron and the DuPont™ Tyvek® WRB over building materials below for proper shingling.



DuPont™ Flashing Systems Installation Guidelines

ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.

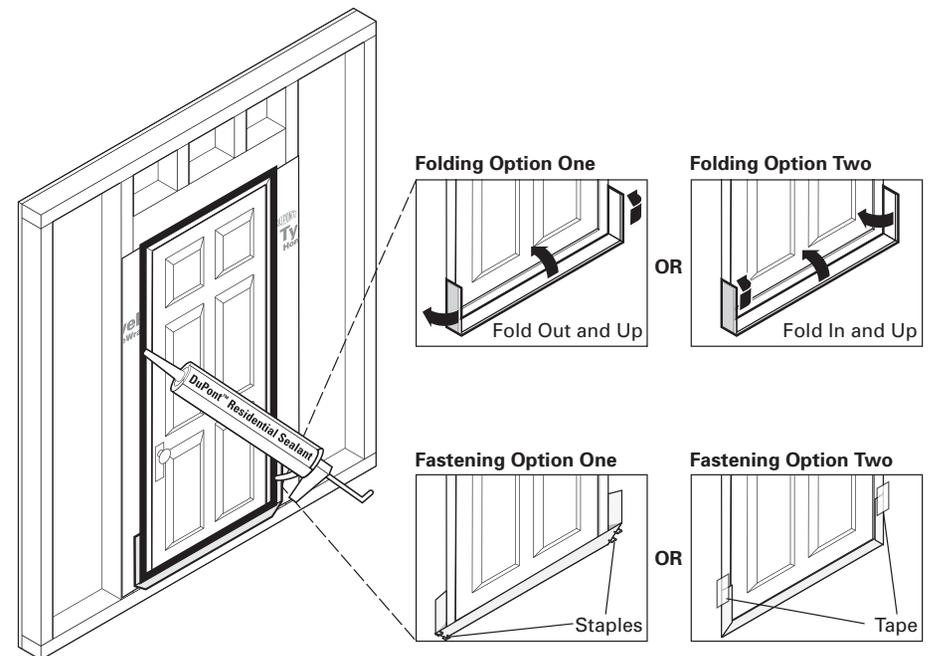


STEP 13

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, DuPont™ Commercial 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 or DuPont™ Commercial 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™ Flashing Systems Installation Guidelines

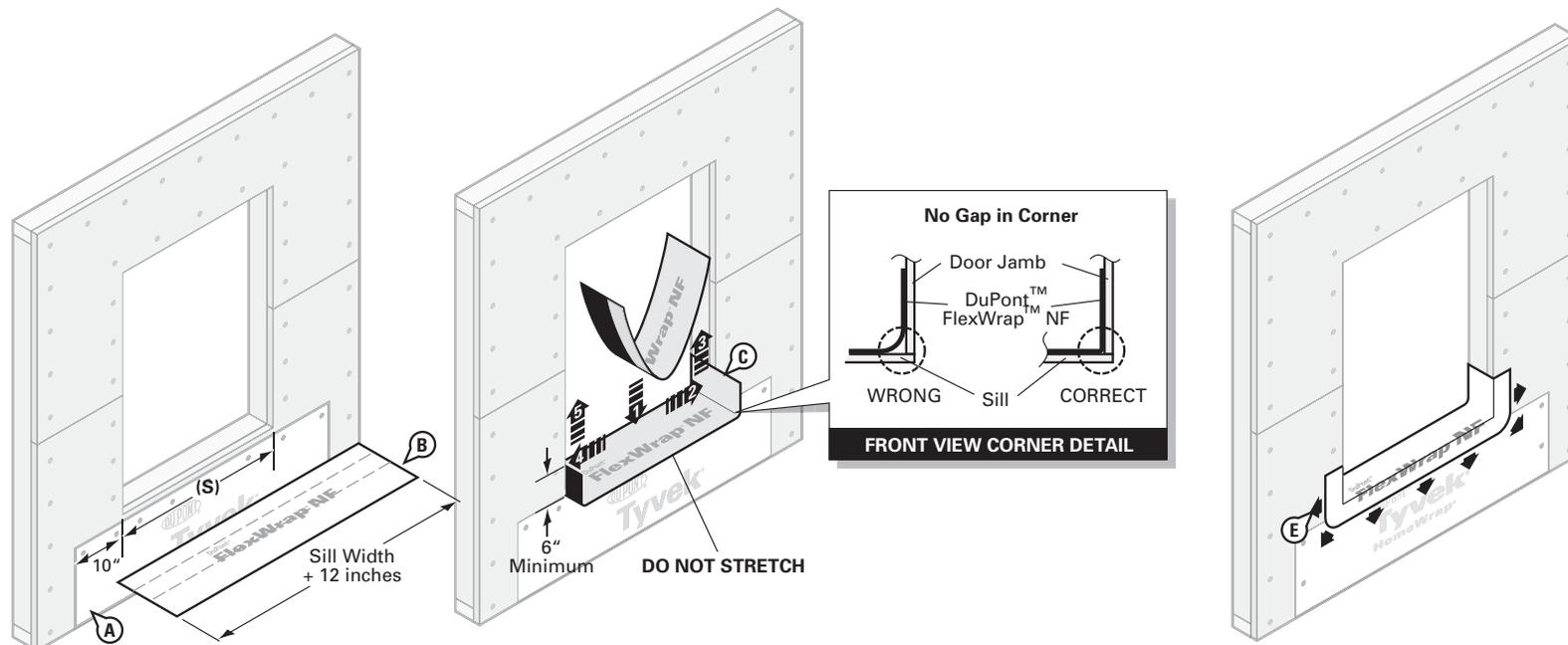
Field Applied Flanged Window BEFORE Water-Resistive Barrier (WRB) Is Installed

Method applies to the following products:

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

STEP 1

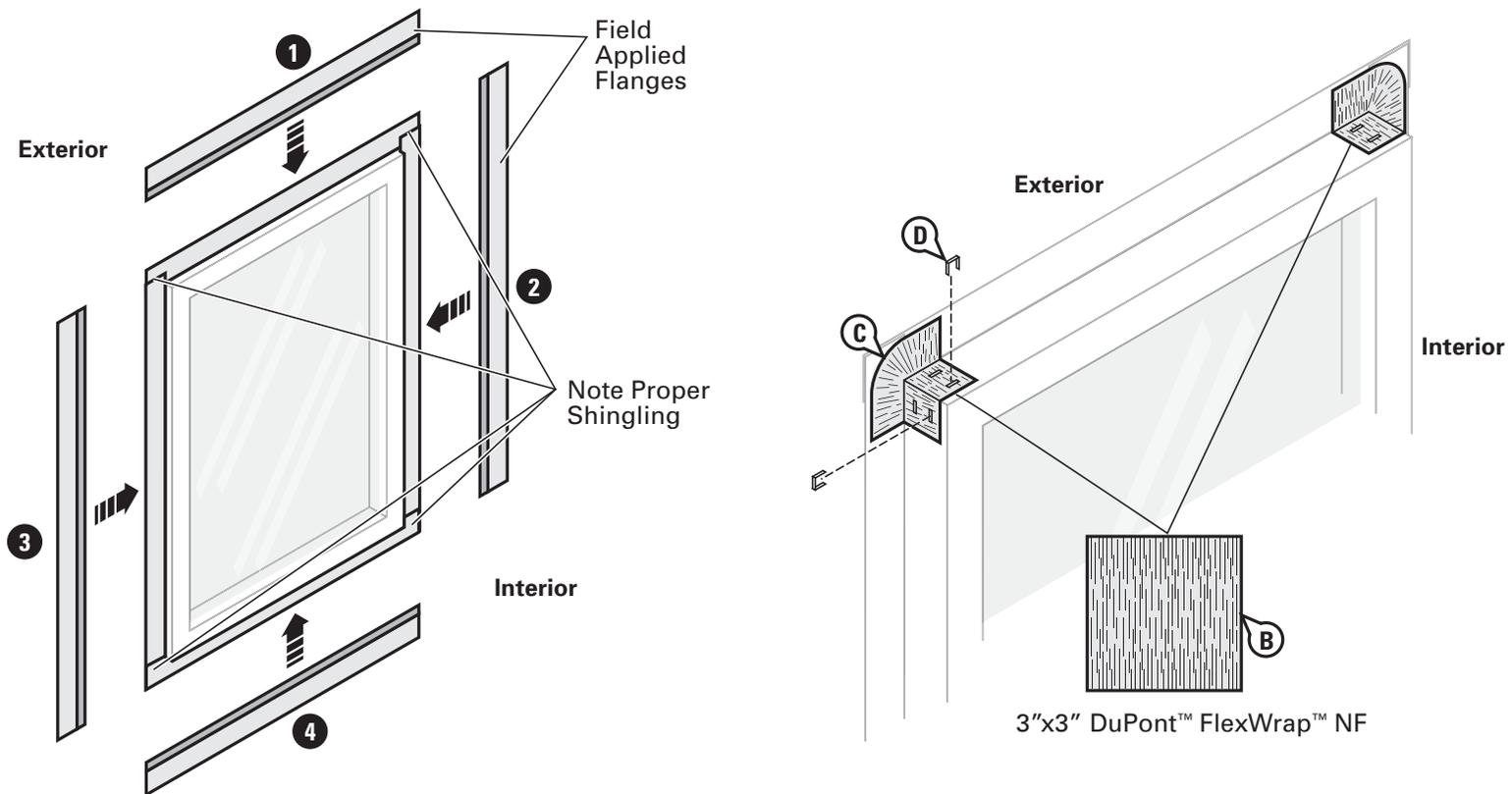
- Attach apron made of DuPont™ Tyvek® WRB under sill (S). Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to the wall and the bottom of the apron should be left unsecured so it can overlap the DuPont™ Tyvek® WRB which will be installed after the window.
- Cut DuPont™ FlexWrap™ NF at least 12" longer than width of sill rough opening (S).
- Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening across sill and up jambs (min. 6" on each side).
- Remove second release paper.
- Fan out DuPont™ FlexWrap™ NF at bottom corners onto the face of the wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



DuPont™ Flashing Systems Installation Guidelines

STEP 2

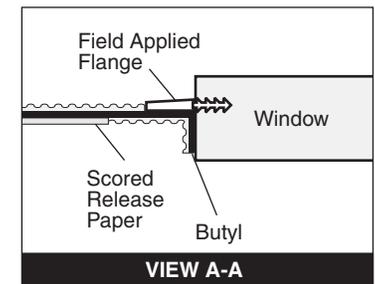
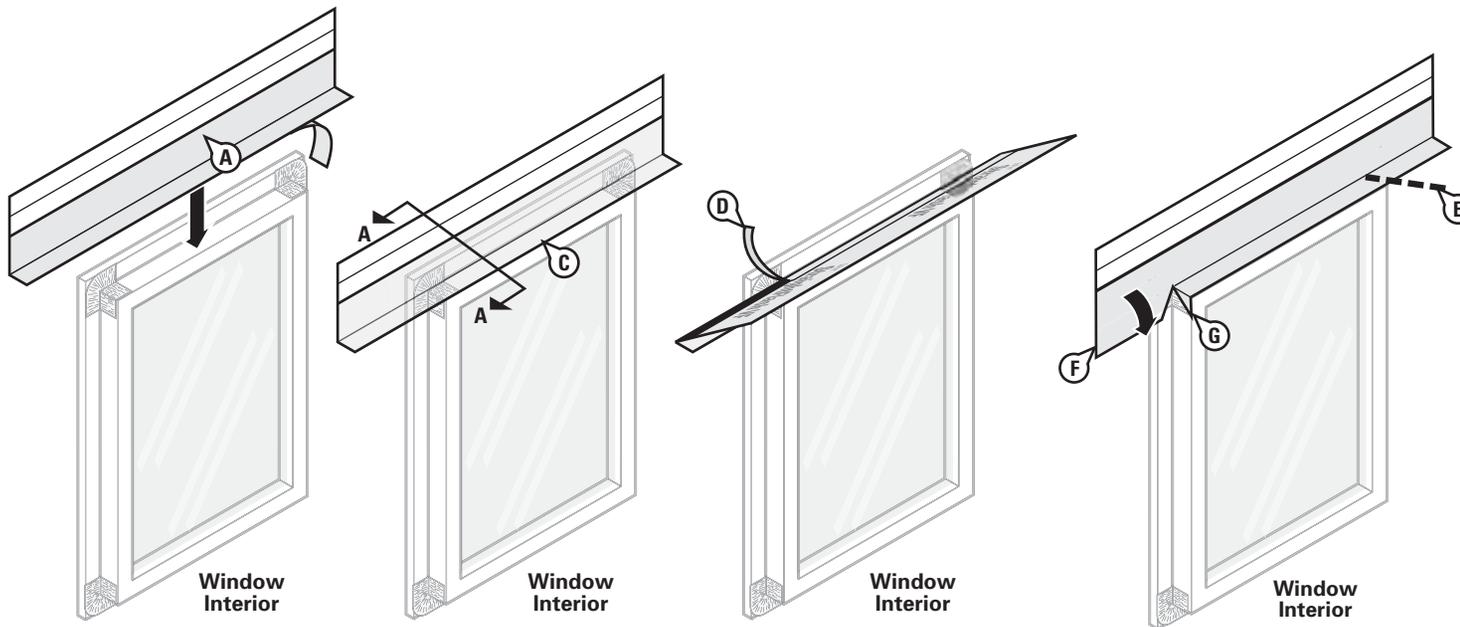
- A. Apply field applied flanges in the correct shingling fashion per manufacturer's installation instructions.
DO NOT REVERSE SHINGLE.
- B. Cut four 3" x 3" pieces of DuPont™ FlexWrap™ NF.
- C. Apply DuPont™ FlexWrap™ NF patches to back of flange corners before applying DuPont™ StraightFlash™ VF.
- D. Staple patches in corners and secure to wooden head and jambs.



DuPont™ Flashing Systems Installation Guidelines

STEP 3

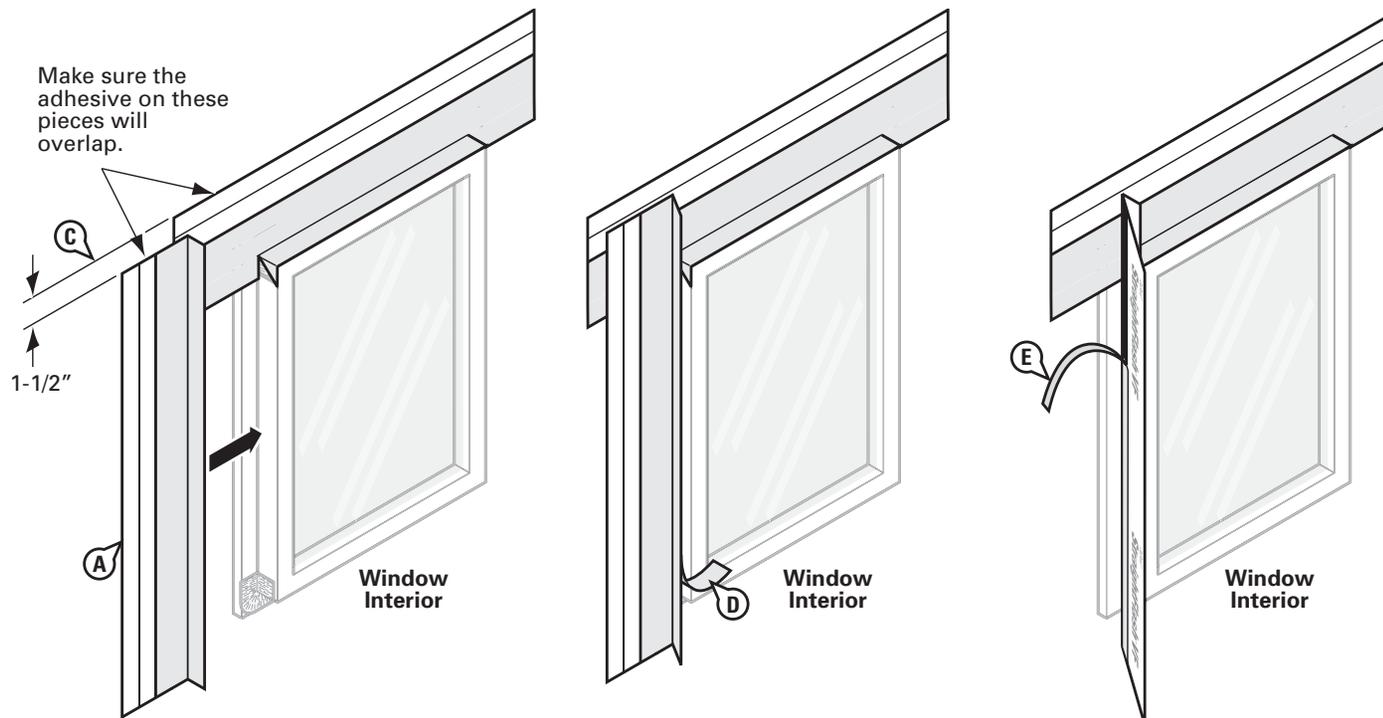
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one side of the head flashing by folding it back and forth upon itself.
- C. Center the DuPont™ StraightFlash™ VF along the length of 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 the head, and away from the corner, cut DuPont™ StraightFlash™ VF at a 45° angle.
- F. Fold the newly created flaps down against the brick mold or flange.
- G. Fold remaining head flashing flaps down onto the jamb.



DuPont™ Flashing Systems Installation Guidelines

STEP 4

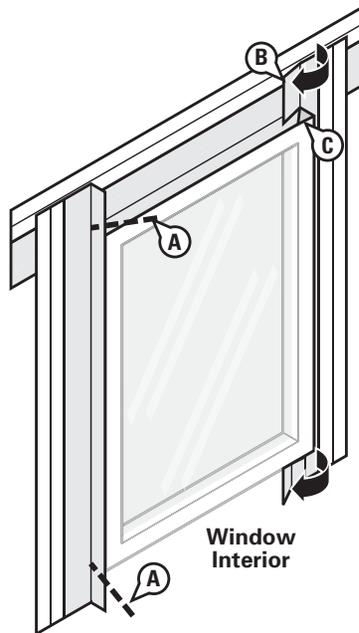
- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb.
- B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
- C. Position so that the DuPont™ StraightFlash™ VF contacts the 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 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™ Flashing Systems Installation Guidelines

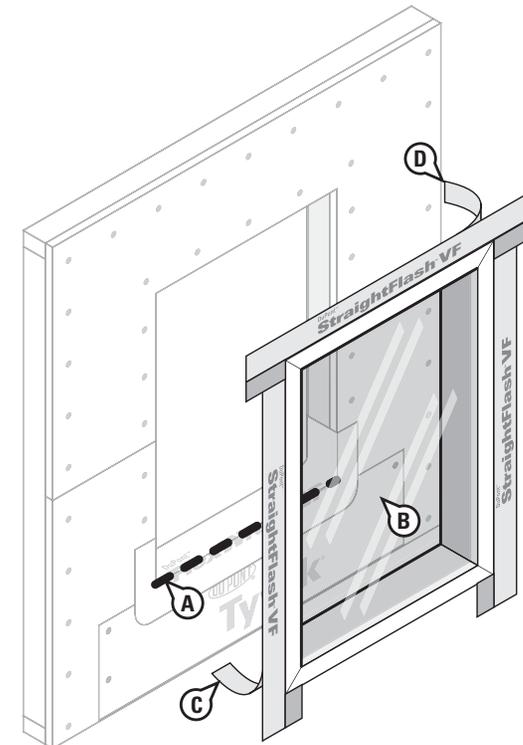
STEP 5

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



STEP 6

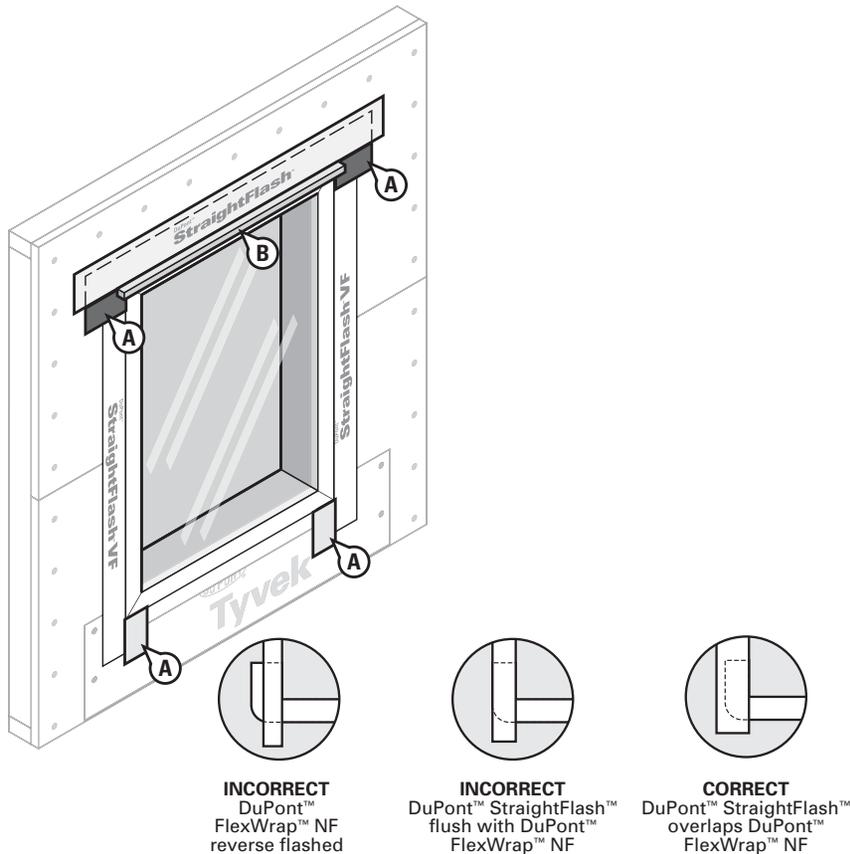
- A. If sealant is applied to the sill, ensure that there are at least two (2) 2" gaps in the sealant bead to allow for drainage for every 4' of window using DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant.
- B. Install window according to manufacturer's installation instructions.
- C. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the exterior sheathing or framing members.
- D. Remove the release paper at the head and adhere it to the exterior sheathing or framing members.



DuPont™ Flashing Systems Installation Guidelines

STEP 6A (OPTIONAL)

- A. Cover exposed butyl with DuPont™ StraightFlash™, DuPont™ Flashing Tape or DuPont™ Tyvek® Tape.
- B. 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, DuPont™ Commercial Sealant, or recommended sealant on the rear side. Install the drip cap tight against brick mold and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.

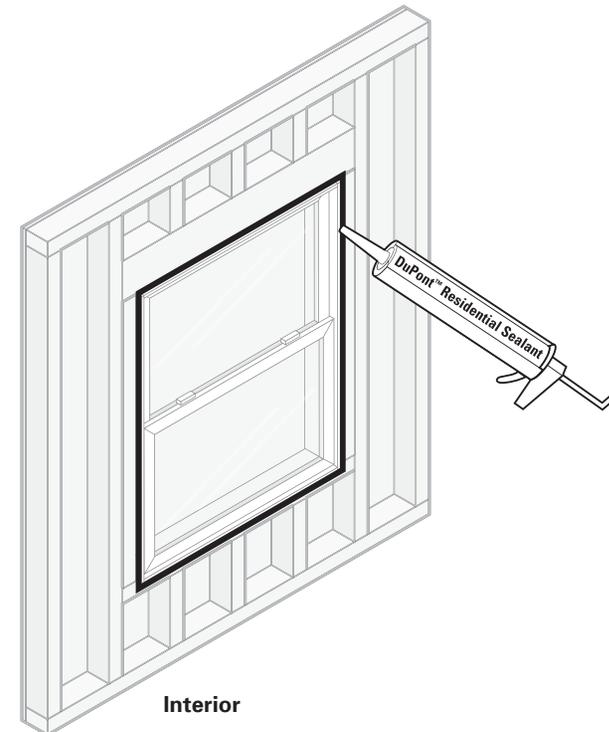


NOTE: Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ NF and adhere to the substrate.

STEP 7

Install DuPont™ Residential Sealant, DuPont™ Commercial 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 or DuPont™ Commercial 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.

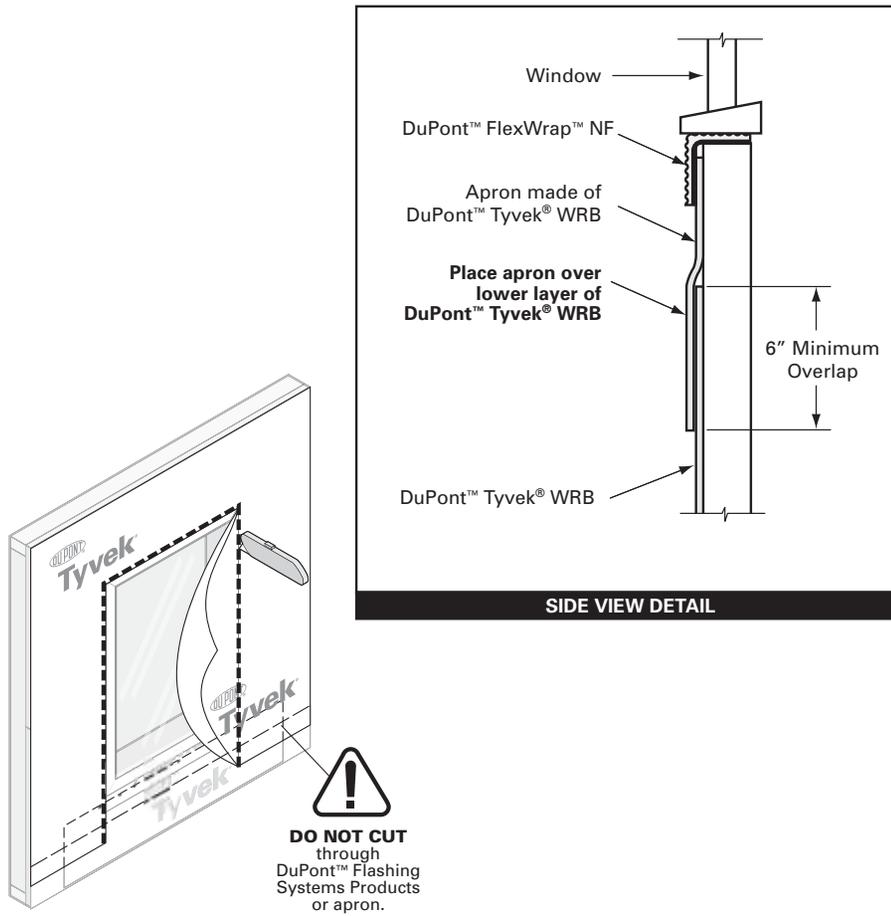


DuPont™ Flashing Systems Installation Guidelines

STEP 8

After installing the DuPont™ Tyvek® WRB, cut as shown to expose door and apron. (Refer to the DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines to install the DuPont™ Tyvek® WRB properly).

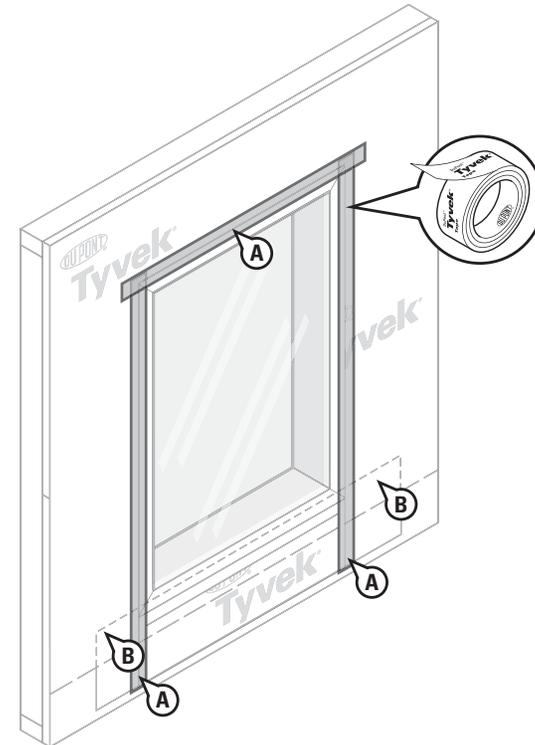
DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 9

Final Step

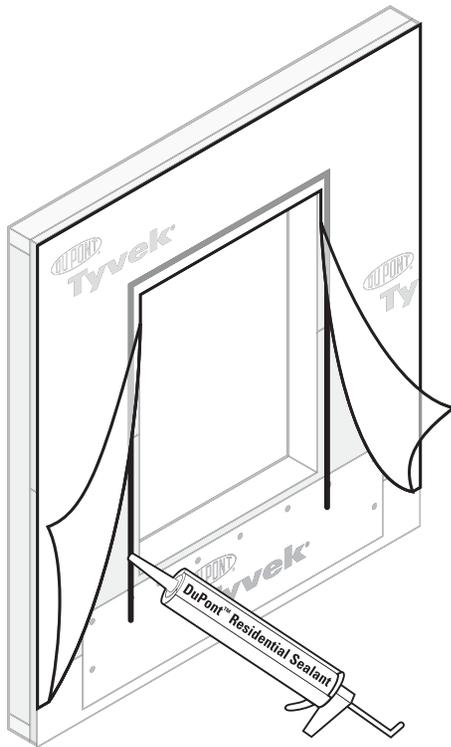
- Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- Lap bottom of apron and DuPont™ Tyvek® WRB over building materials below for proper shingling.



DuPont™ Flashing Systems Installation Guidelines

ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.



Field Applied Flanged Door BEFORE Water-Resistive Barrier (WRB) Is Installed

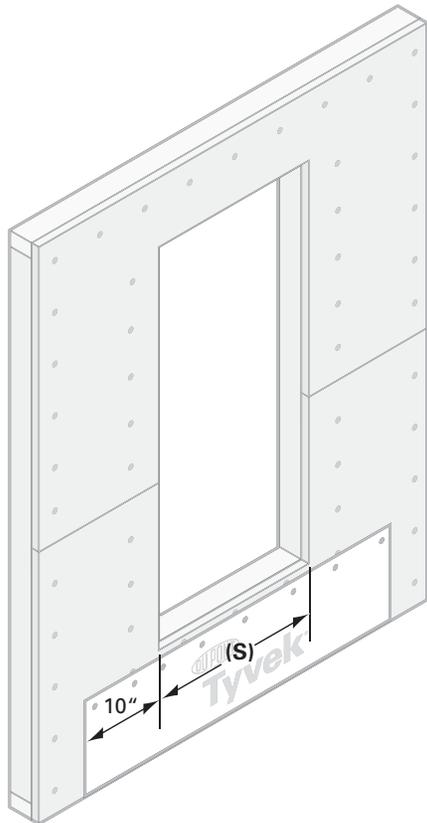
This installation guide is intended for doors installed above grade and with wood floor construction.

Method applies to the following products:

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

STEP 1

Attach apron made of DuPont™ Tyvek® WRB under sill (S). Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to the wall and the bottom of the apron should be left unsecured so it can overlap the DuPont™ Tyvek® WRB which will be installed after the door.

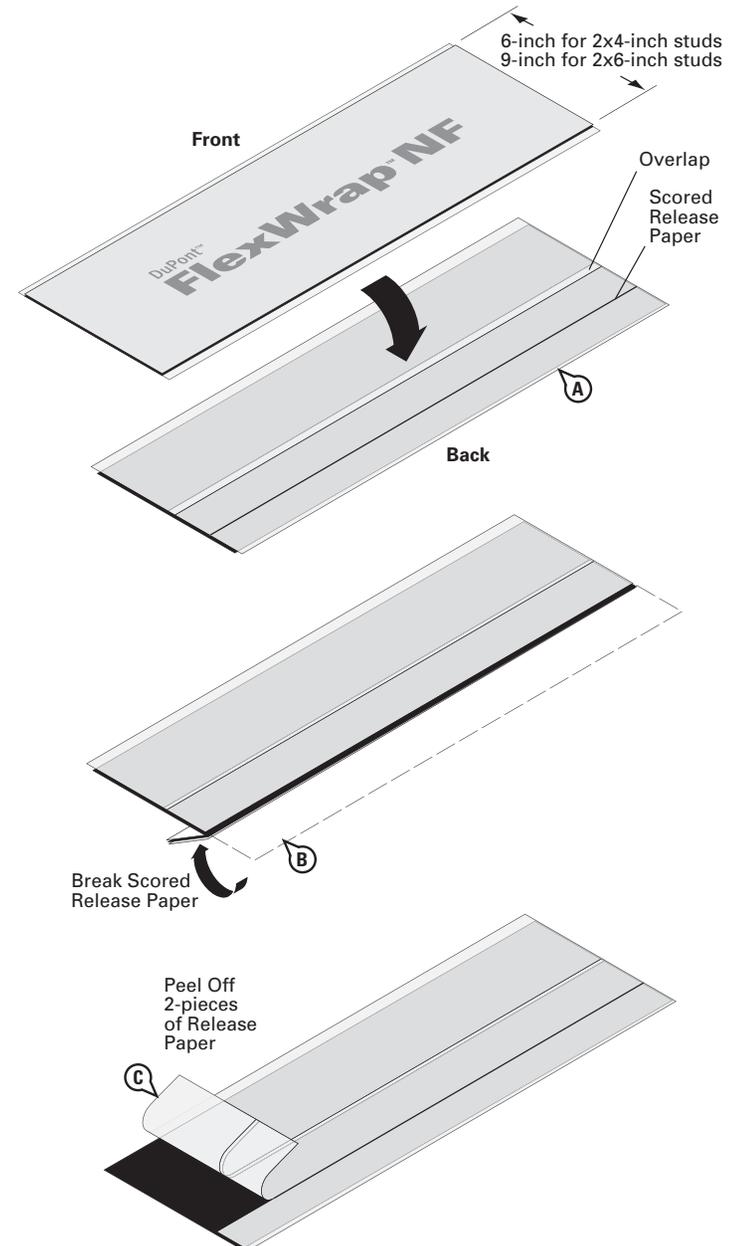


DuPont™ Flashing Systems Installation Guidelines

STEP 2

Preparation of sill flashing:

- A. Cut piece of DuPont™ FlexWrap™ NF at least 12" **LONGER** than the width of the sill (S).
- B. 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.

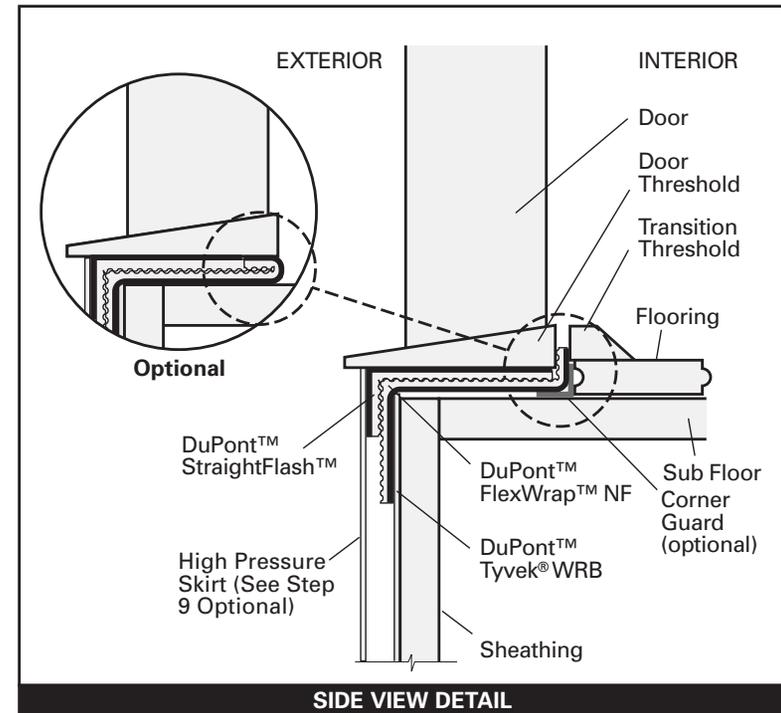
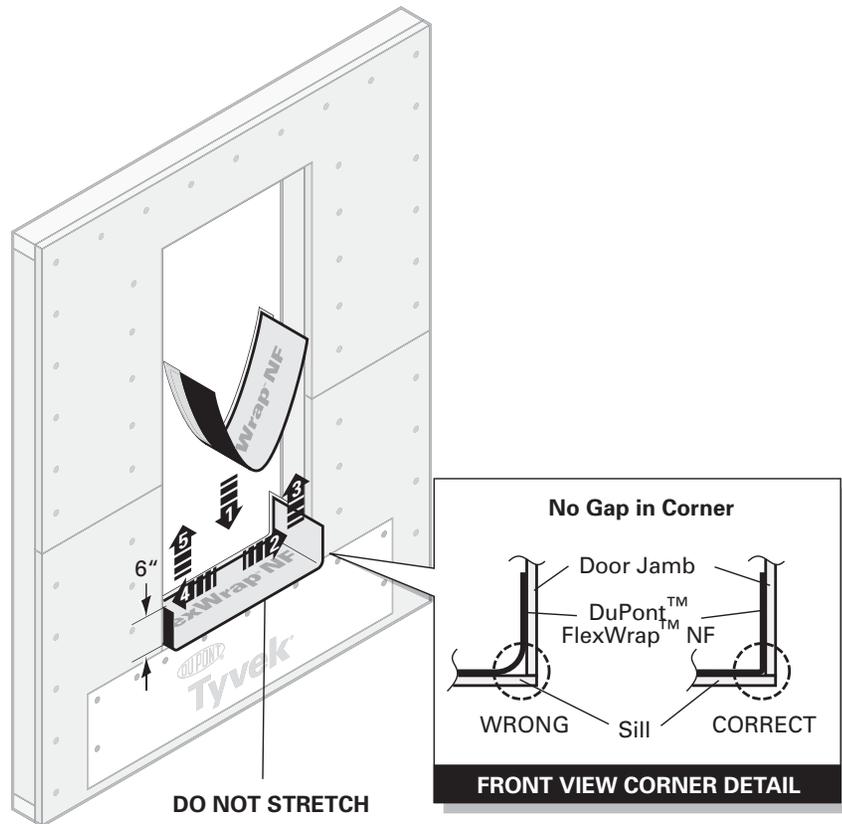


DuPont™ Flashing Systems Installation Guidelines

STEP 3 (OPTIONAL BACKDAM)

Install the sill flashing as indicated leaving the 1" of DuPont™ FlexWrap™ NF with release paper extending it past the door threshold on the inside. When the 1" of release paper is removed, there should be 3/4" of flashing to form the back dam.

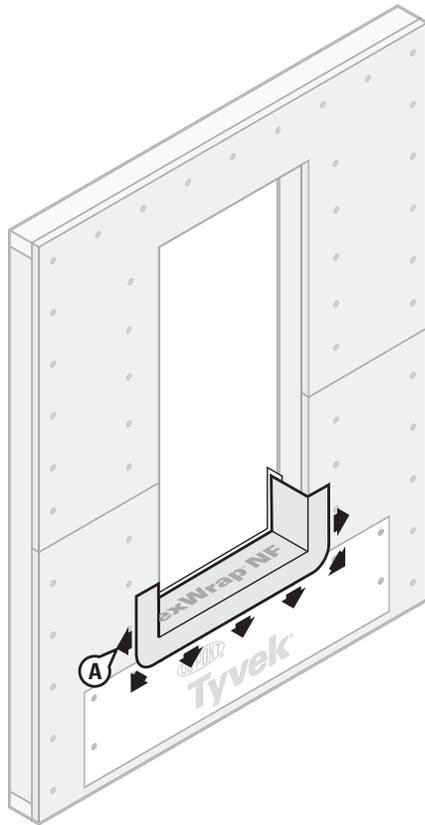
OPTION 2: Some flooring cannot accommodate a back dam. In that case fold the 1" back dam on top of DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of the 1" fold to create a back dam.



DuPont™ Flashing Systems Installation Guidelines

STEP 4

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



DuPont™ Flashing Systems Installation Guidelines

STEP 5 (FOR FIELD APPLIED FLANGED DOORS ONLY)

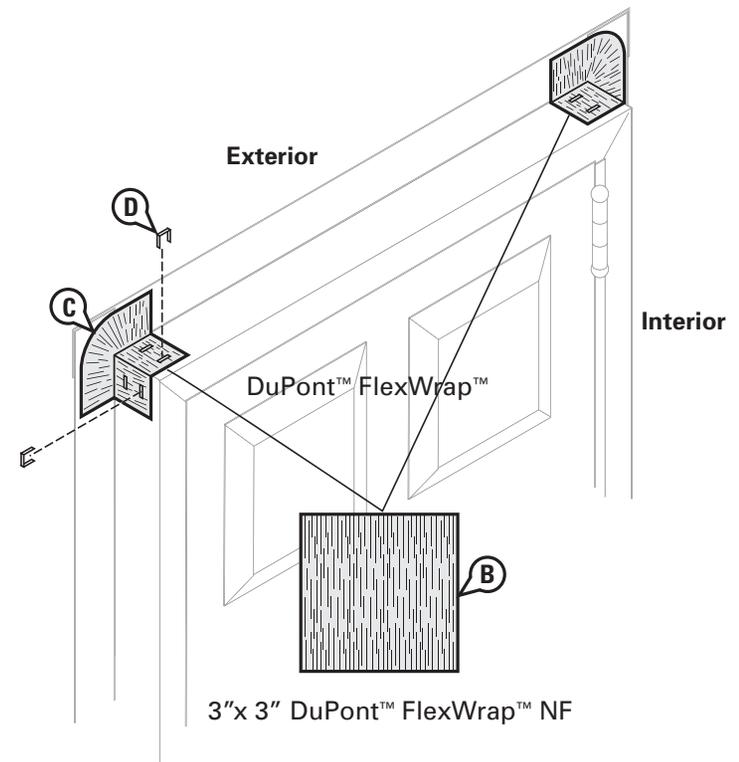
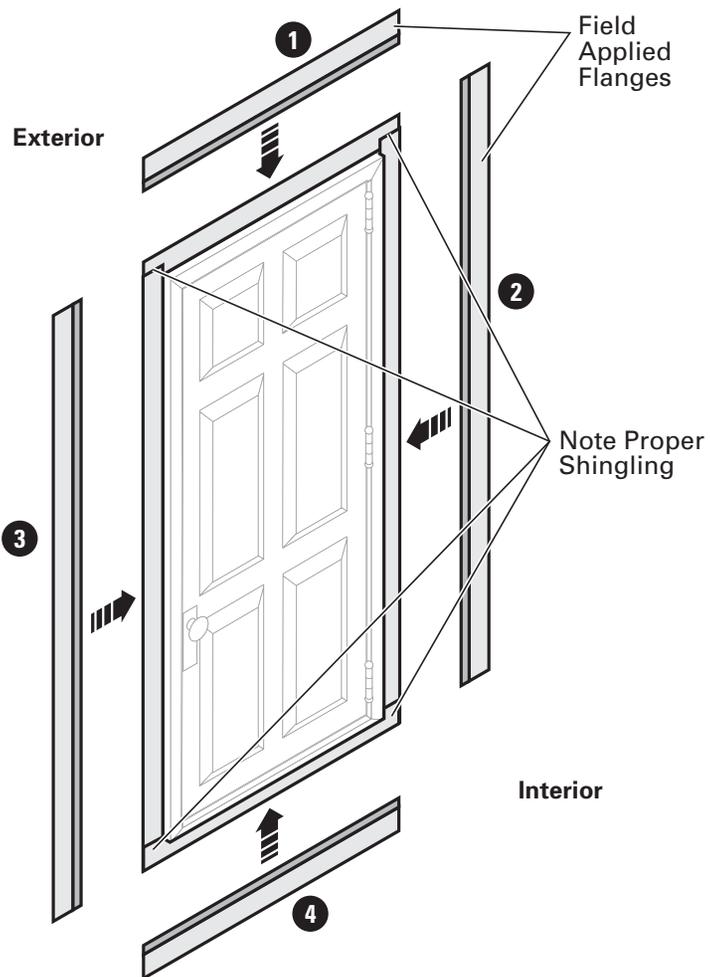
NOTE: This step is not required for Brick Mold Doors

A. Apply field applied flanges in the correct shingling fashion 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.

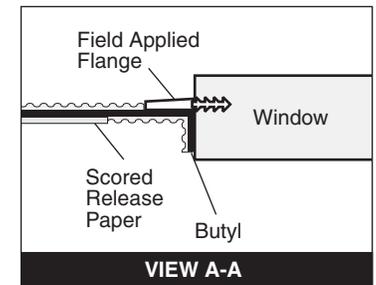
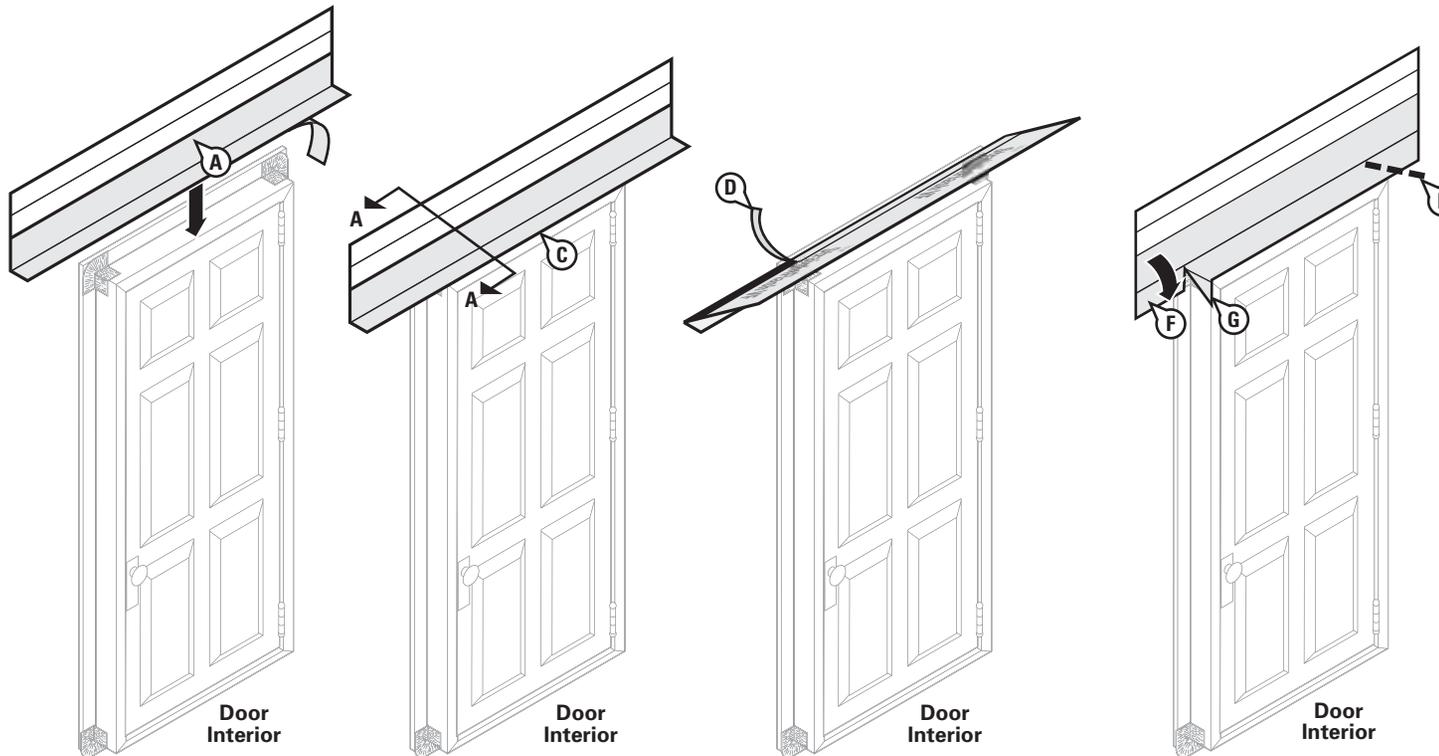
D. Staple patches in corners and secure to wooden head and jambs.



DuPont™ Flashing Systems Installation Guidelines

STEP 6 (FOR FIELD APPLIED DOORS)

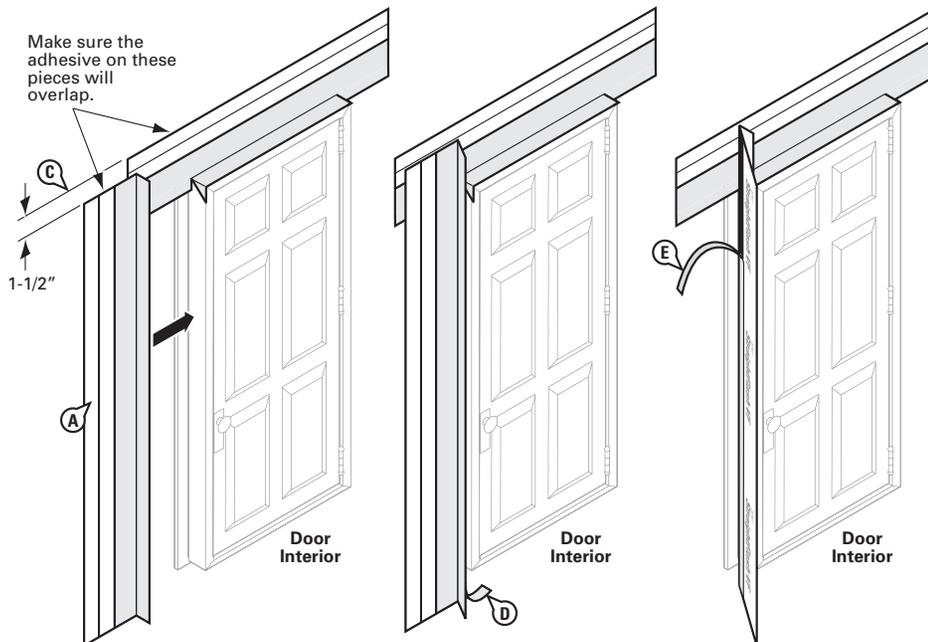
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Break the scored release paper on one edge of the head flashing by folding it back and forth upon itself.
- C. Center the DuPont™ StraightFlash™ VF along the length 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 and adhere the flashing to the back of the brick mold or flange.
- E. At the corner of the door frame, 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™ Flashing Systems Installation Guidelines

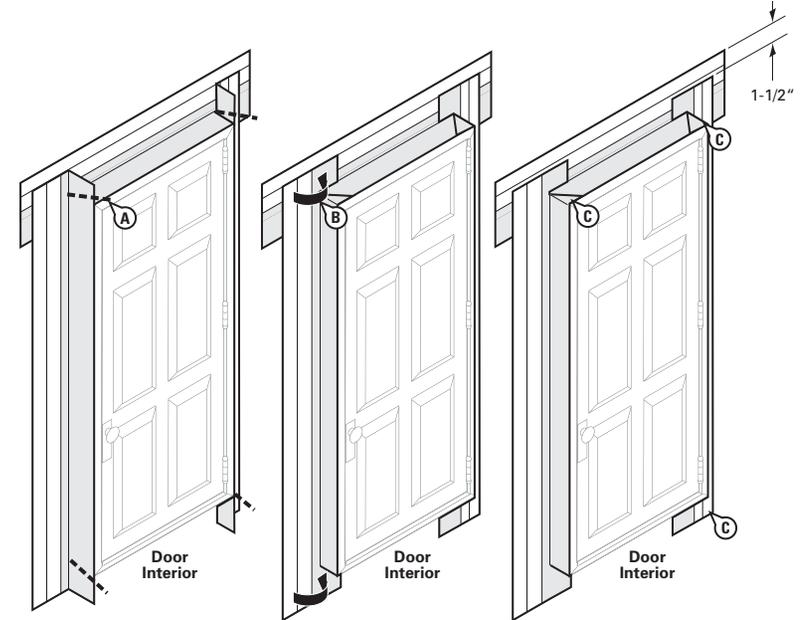
STEP 7

- 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 DuPont™ StraightFlash™ VF contacts the door 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 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 or flange.
- F. Repeat on 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.



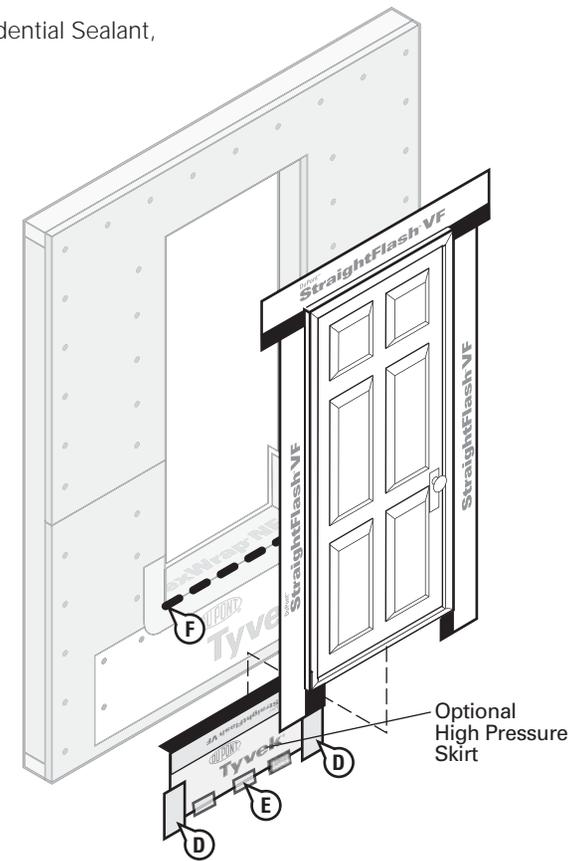
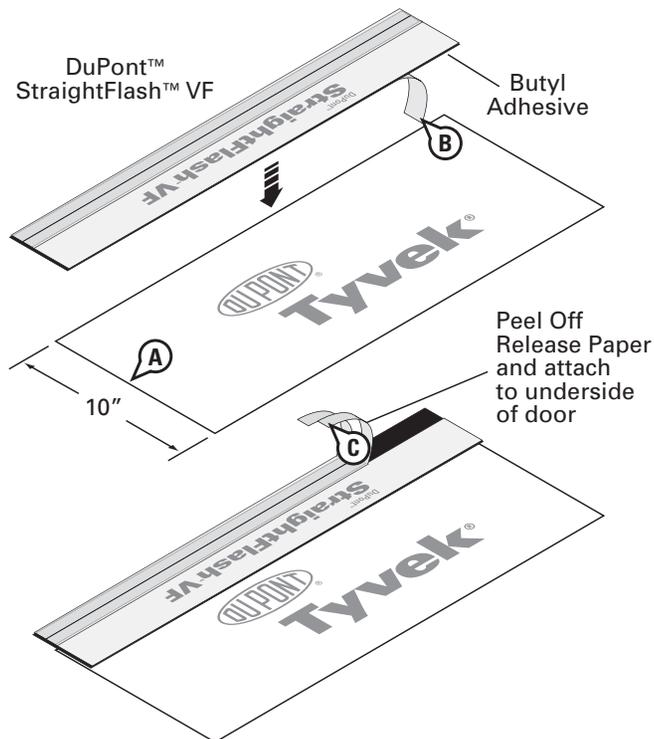
DuPont™ Flashing Systems Installation Guidelines

FOR BRICK MOLD, FIELD APPLIED AND NON-FLANGED DOORS

STEP 9 (OPTIONAL) - HIGH PRESSURE SKIRT

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 opening and approximately 10" in height.
- 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 DuPont™ StraightFlash™ VF, DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- 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.
- Secure edges of the optional skirt with two 4" pieces of DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.
- If sealant is applied to the sill, insure (2) 2" gaps to allow for drainage for every 4' of door using DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant.

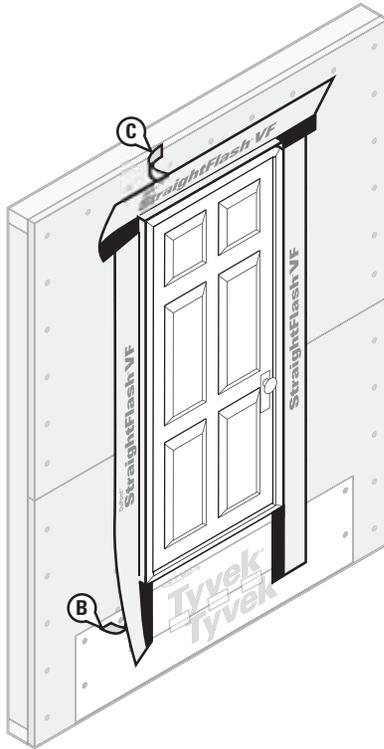


DuPont™ Flashing Systems Installation Guidelines

STEP 10

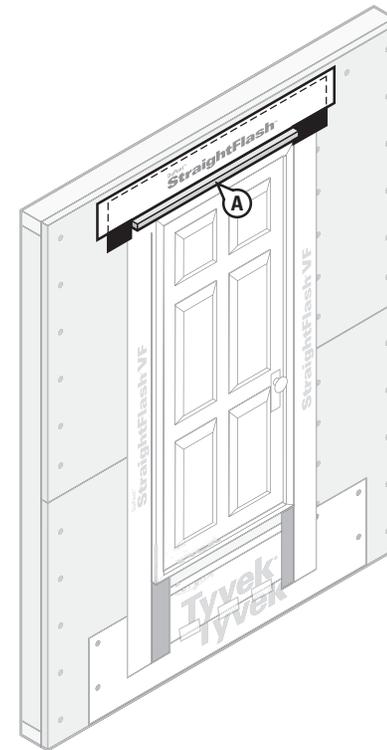
- A. Install door according to manufacturer's installation instructions.
- B. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the exterior sheathing or framing members.
- C. Remove the release paper at the head and adhere it to the exterior sheathing or framing members.

OPTIONAL: Cover exposed butyl with DuPont™ StraightFlash™, DuPont™ Flashing Tape or DuPont™ Tyvek® Tape.



STEP 11 (OPTIONAL)

- A. Cut a piece of metal or vinyl drip cap slightly longer than the width of the door and place a bead of DuPont™ Residential Sealant, DuPont™ Commercial 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.

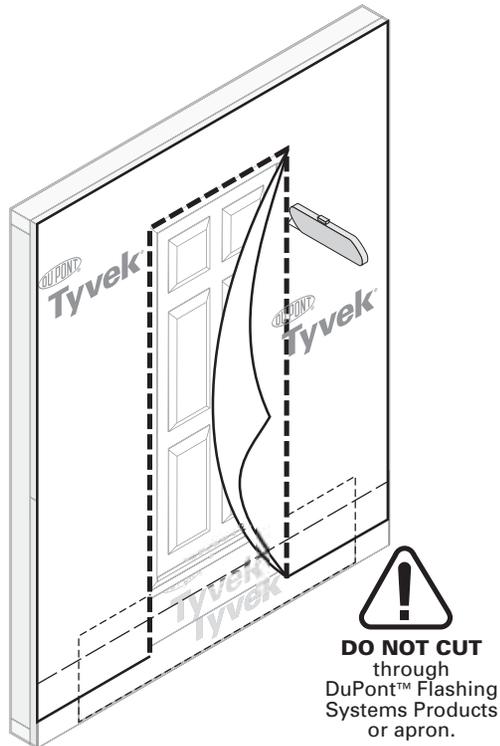


DuPont™ Flashing Systems Installation Guidelines

STEP 12

After installing the DuPont™ Tyvek® WRB, cut as shown to expose door and apron. (Refer to the *DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines* to install the DuPont™ Tyvek® WRB properly).

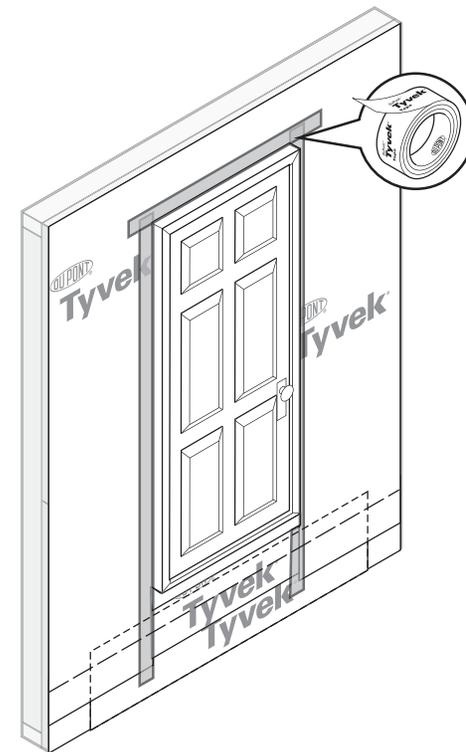
DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 13

A. 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.

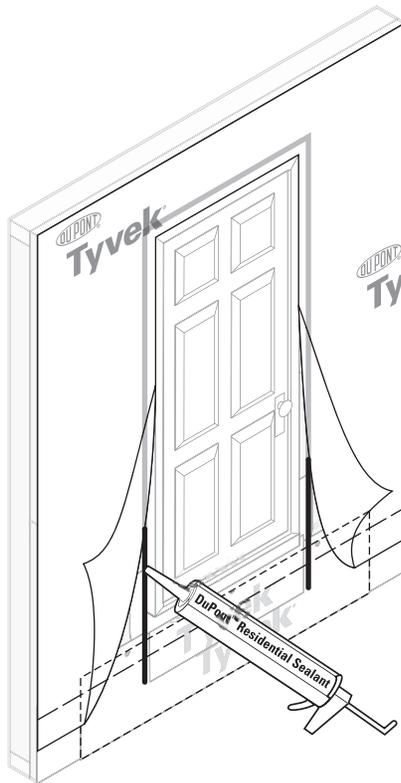
B. Lap bottom of apron and the DuPont™ Tyvek® WRB over building materials below for proper shingling.



DuPont™ Flashing Systems Installation Guidelines

ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.

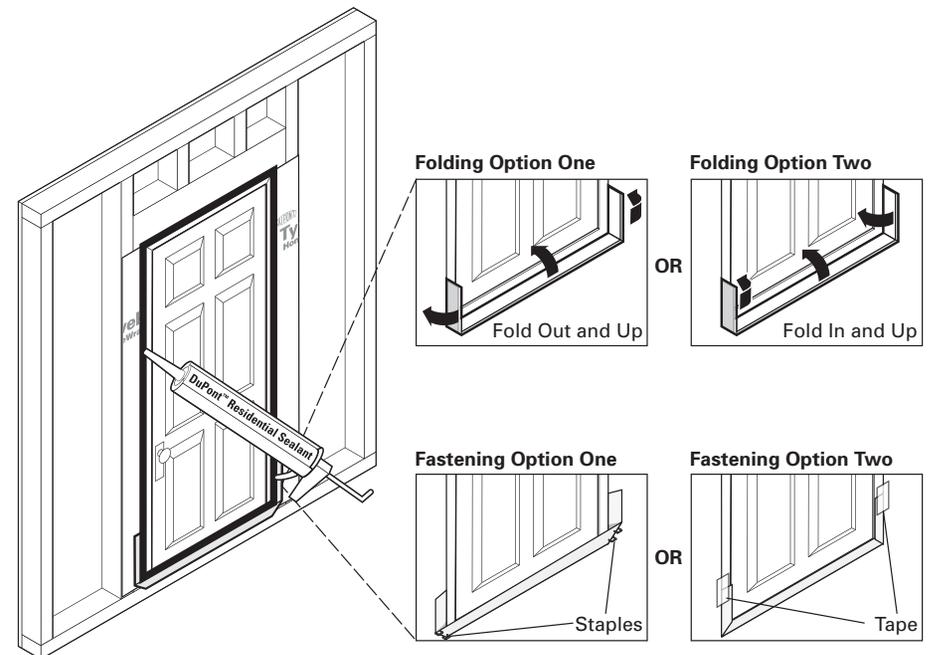


STEP 14

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, DuPont™ Commercial 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 or DuPont™ Commercial 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.



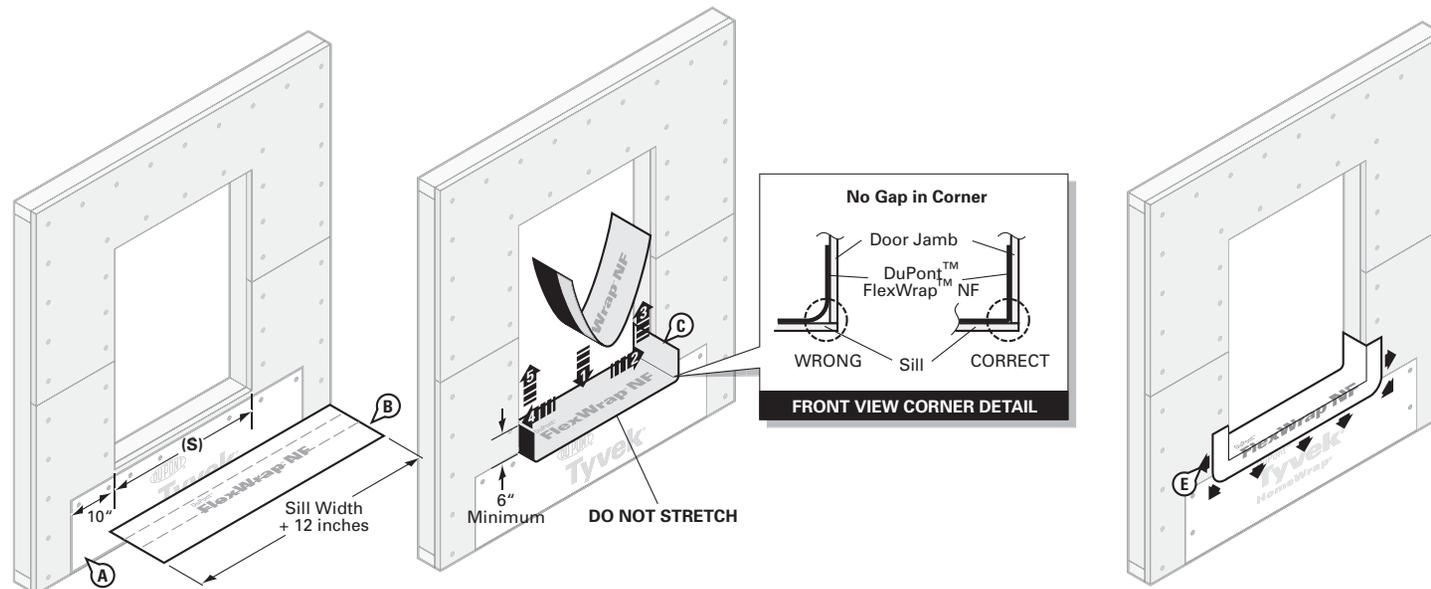
Non-Flanged Window BEFORE Water-Resistive Barrier (WRB) Is Installed

Method applies to the following products:

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

STEP 1

- Attach apron made of DuPont™ Tyvek® WRB under sill. Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to the wall and the bottom of the apron should be left unsecured so it can overlap the DuPont™ Tyvek® WRB which will be installed after the window.
- Cut DuPont™ FlexWrap™ NF at least 12" longer than width of sill rough opening (S).
- Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening across sill and up jambs (min. 6" on each side).
- Remove second release paper.
- Fan out DuPont™ FlexWrap™ NF at bottom corners onto the face of the wall. Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.

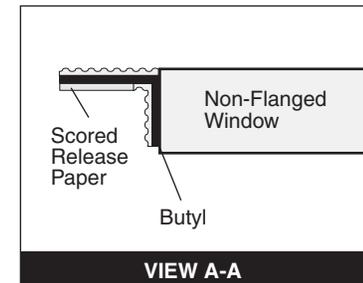
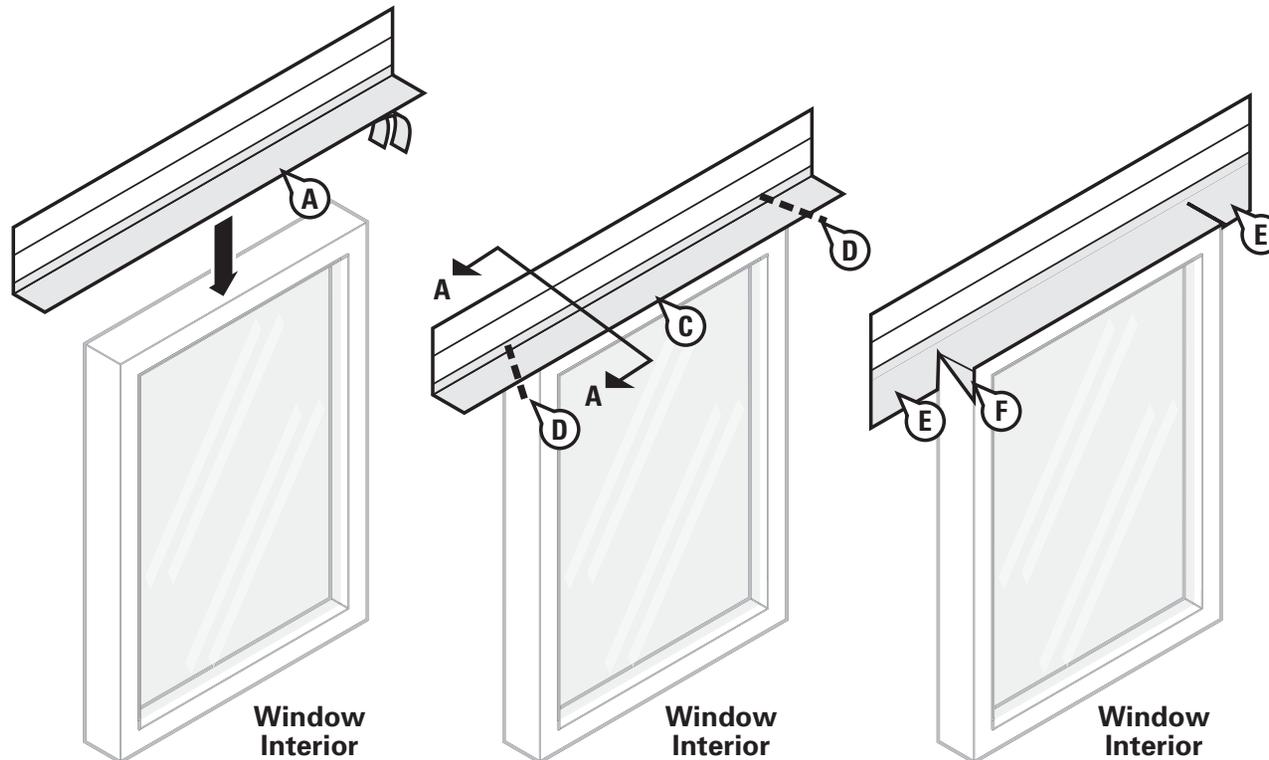


DuPont™ Flashing Systems Installation Guidelines

A. FOR NON-FLANGED WINDOWS ONLY

STEP 2

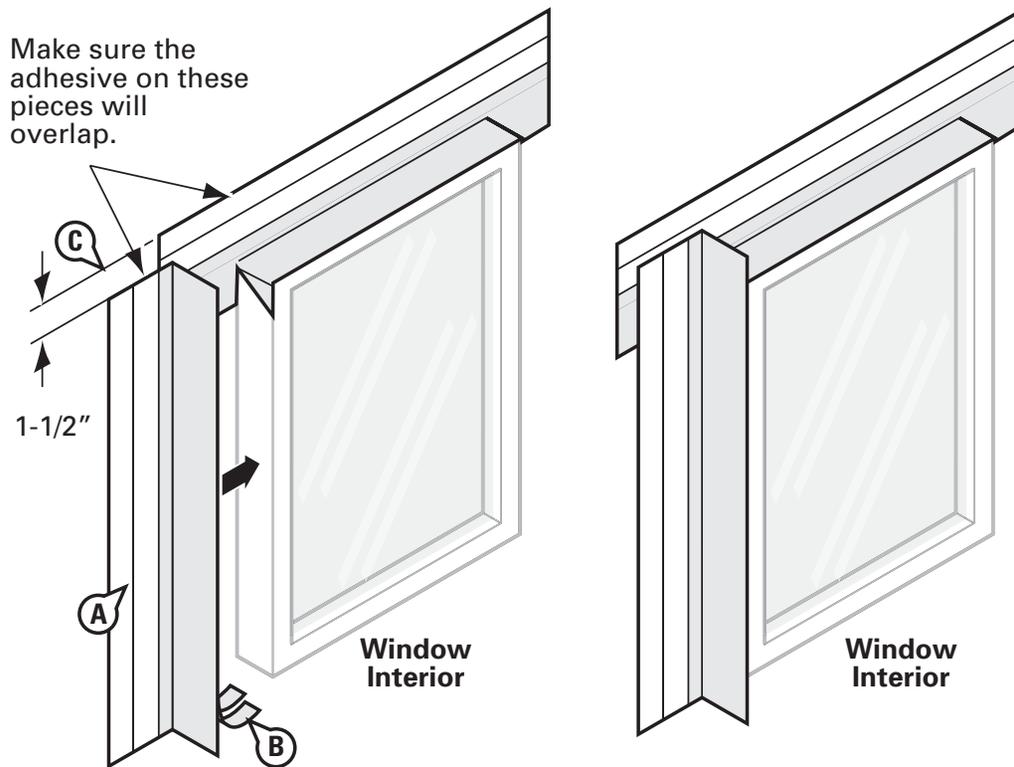
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
- B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- C. Center the DuPont™ StraightFlash™ VF along the length of the window and position so that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



DuPont™ Flashing Systems Installation Guidelines

STEP 3

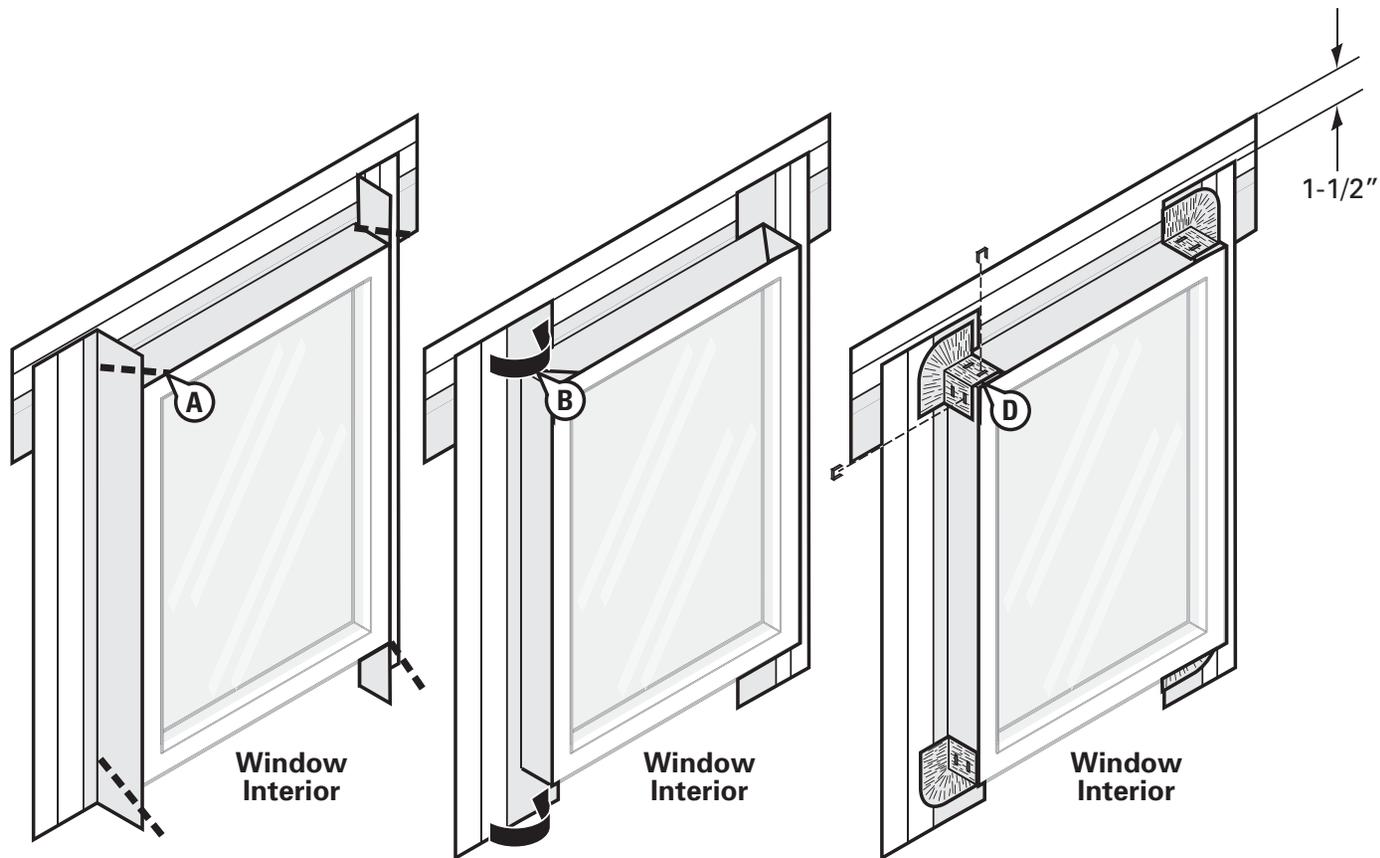
- A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb length.
- B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
- C. Position the DuPont™ StraightFlash™ VF so that it contacts the window frame up to the exterior 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.**
- D. Repeat on opposite jamb.



DuPont™ Flashing Systems Installation Guidelines

STEP 4

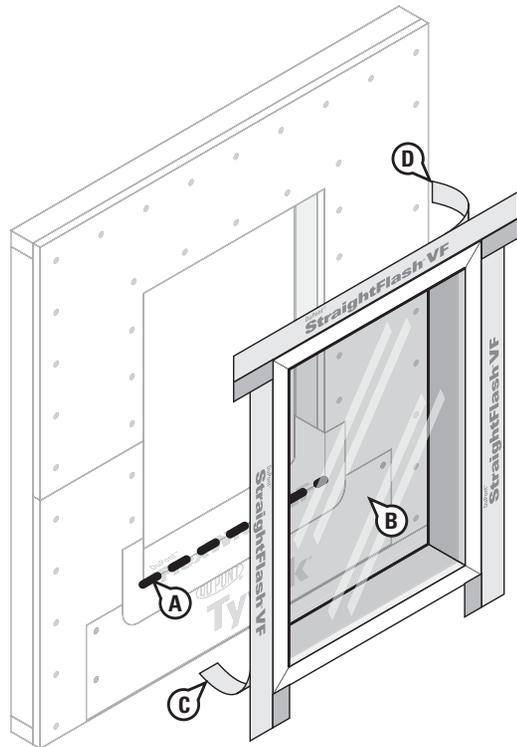
- A. At the exterior corner of the window, where the window head frame meets the jamb frame, make 45° cuts in the flashing at each end up and away from the head and down away at the sill.
- B. Fold the jamb flashing pieces parallel to window. Fold newly created flaps to the jamb frame.
- C. Repeat on opposite jamb.
- D. 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.



DuPont™ Flashing Systems Installation Guidelines

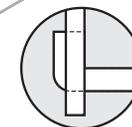
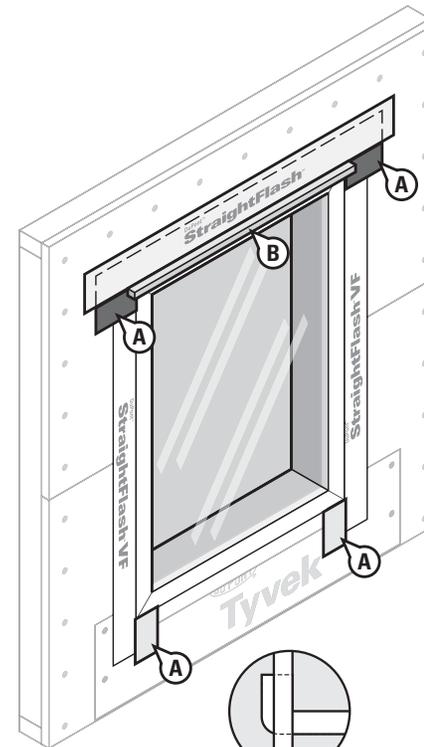
STEP 5

- If sealant is applied to the sill, ensure that there are at least two (2) 2" gaps in the sealant bead to allow for drainage for every 4' of window using DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant.
- Install window according to manufacturer's installation instructions.
- Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the exterior sheathing or framing members.
- Remove the release paper at the head and adhere it to the exterior sheathing or framing members.

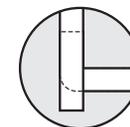


STEP 6 (OPTIONAL)

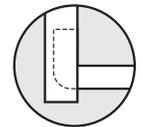
- Cover exposed butyl with DuPont™ StraightFlash™, DuPont™ Flashing Tape or DuPont™ Tyvek® Tape.
- Cut a piece of metal or vinyl drip cap slightly longer than the width of the window and place a bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant on the rear side. Install the drip cap tight against brick mold and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.



INCORRECT
DuPont™
FlexWrap™ NF
reverse flashed



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



CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

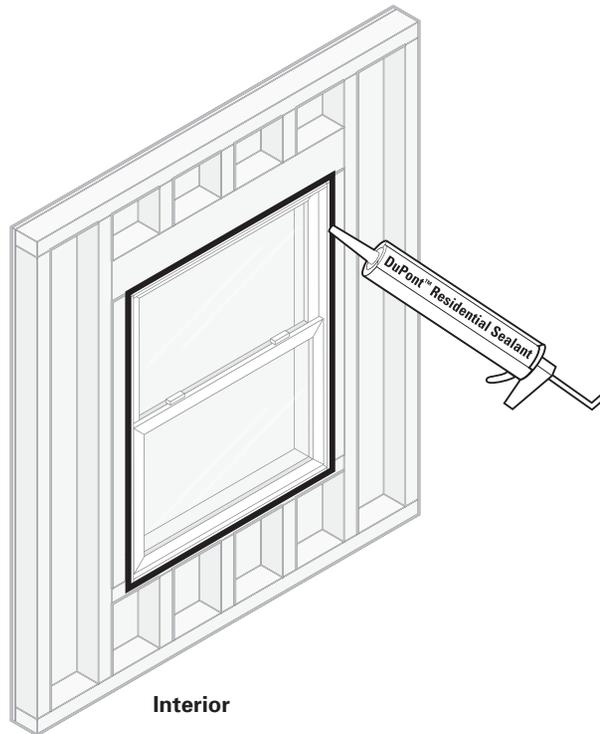
NOTE: Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ NF and adhere to the substrate.

DuPont™ Flashing Systems Installation Guidelines

STEP 7

Install DuPont™ Residential Sealant, DuPont™ Commercial 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 or DuPont™ Commercial 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.

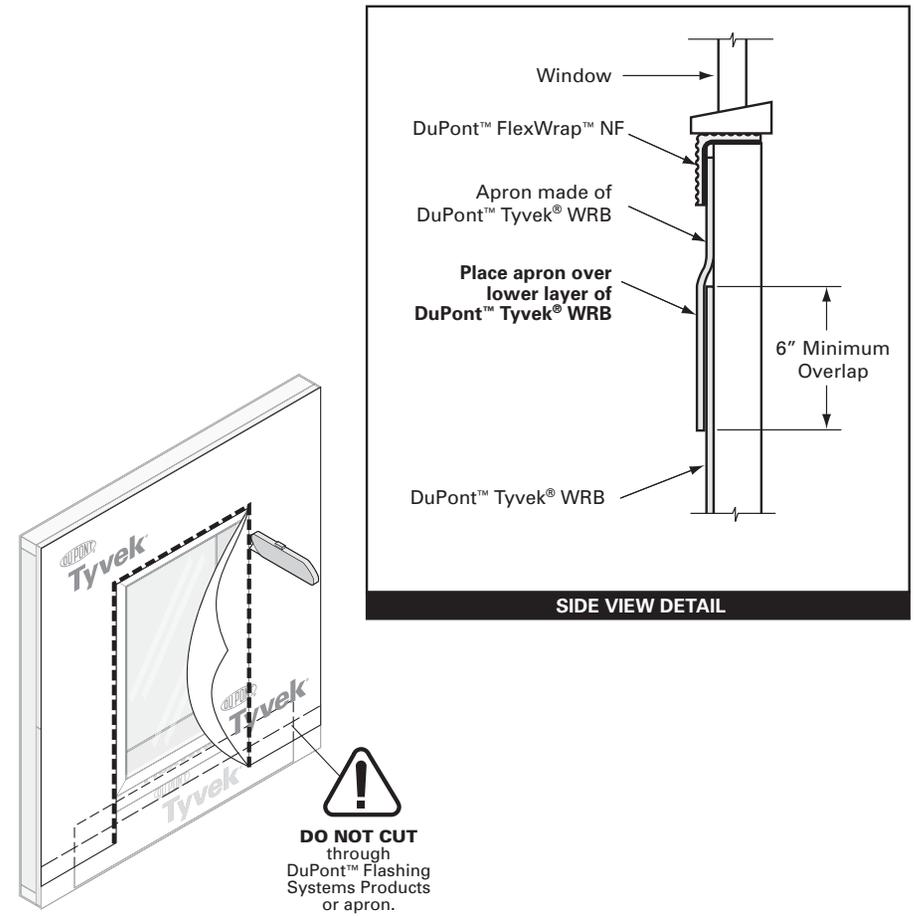
NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



STEP 8

After installing the DuPont™ Tyvek® WRB, cut as shown to expose window and apron. (Refer to the *DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines* to install the DuPont™ Tyvek® WRB properly).

DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.

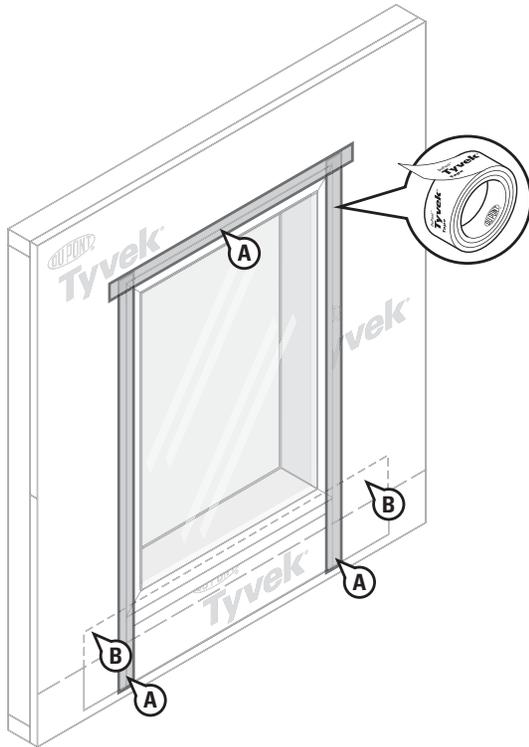


DuPont™ Flashing Systems Installation Guidelines

STEP 9

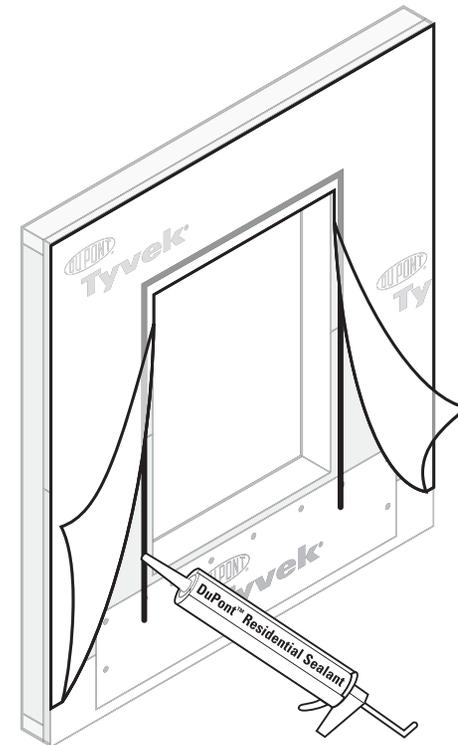
Final Step

- A. 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.
- B. Lap bottom of apron and DuPont™ Tyvek® WRB over building materials below for proper shingling.



ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.



Non-Flanged Door BEFORE Water-Resistive Barrier (WRB) Is Installed

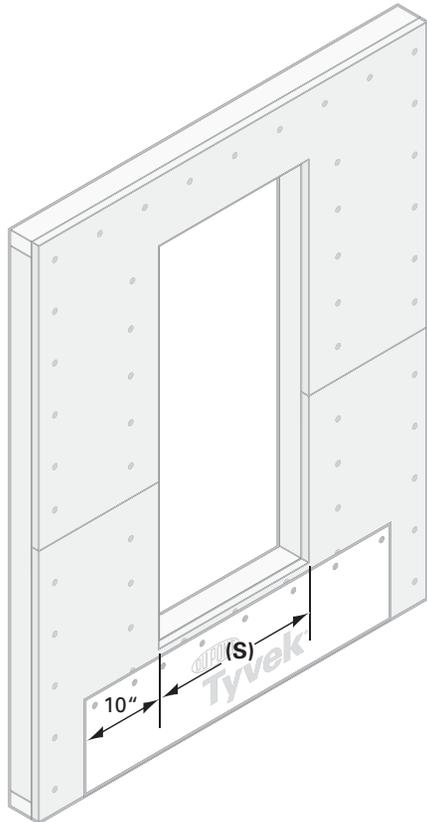
This installation guide is intended for doors installed above grade and with wood floor construction.

Method applies to the following products:

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

STEP 1

Attach apron made of DuPont™ Tyvek® WRB under sill (S). Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to the wall and the bottom of the apron should be left unsecured so it can overlap the DuPont™ Tyvek® WRB which will be installed after the door.

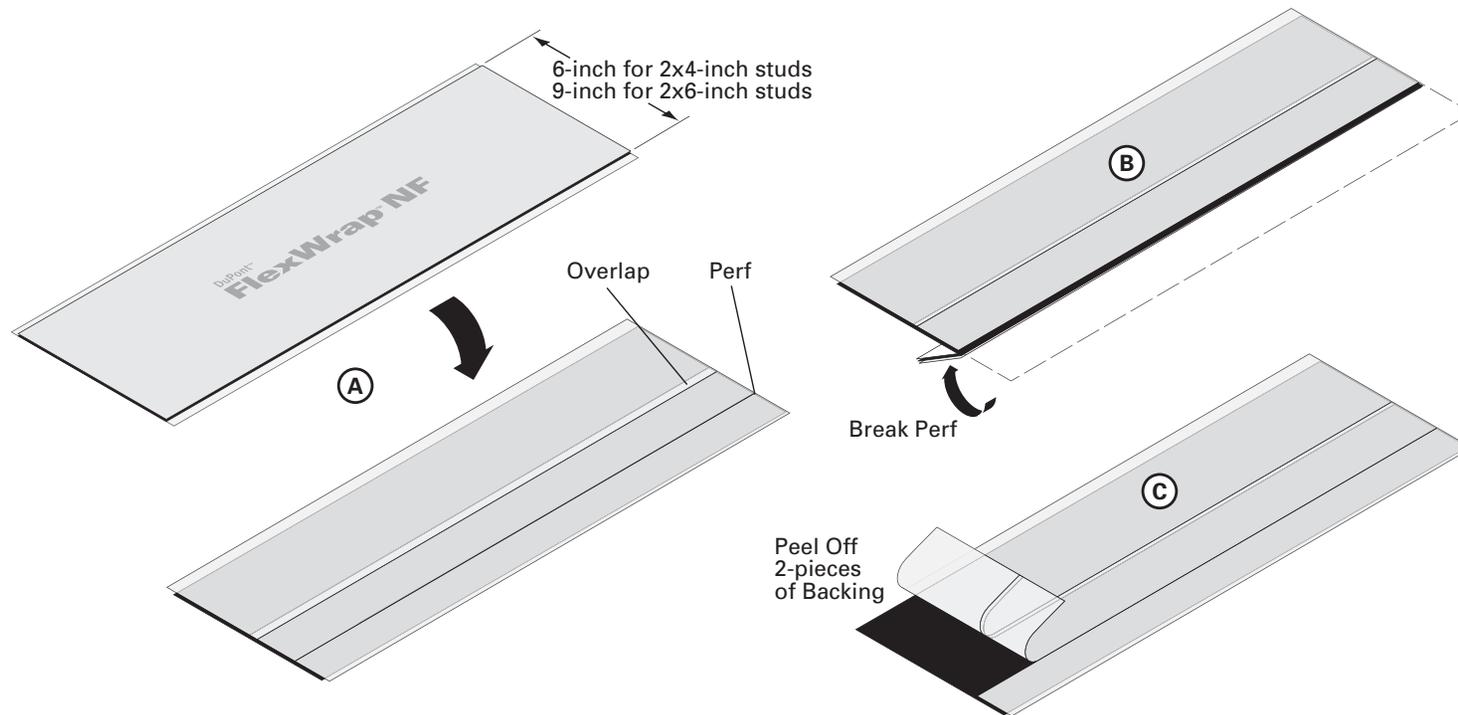


DuPont™ Flashing Systems Installation Guidelines

STEP 2

Preparation of sill flashing:

- A. Cut piece of DuPont™ FlexWrap™ NF at least 12" **LONGER** than the width of the sill (S).
- B. 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.

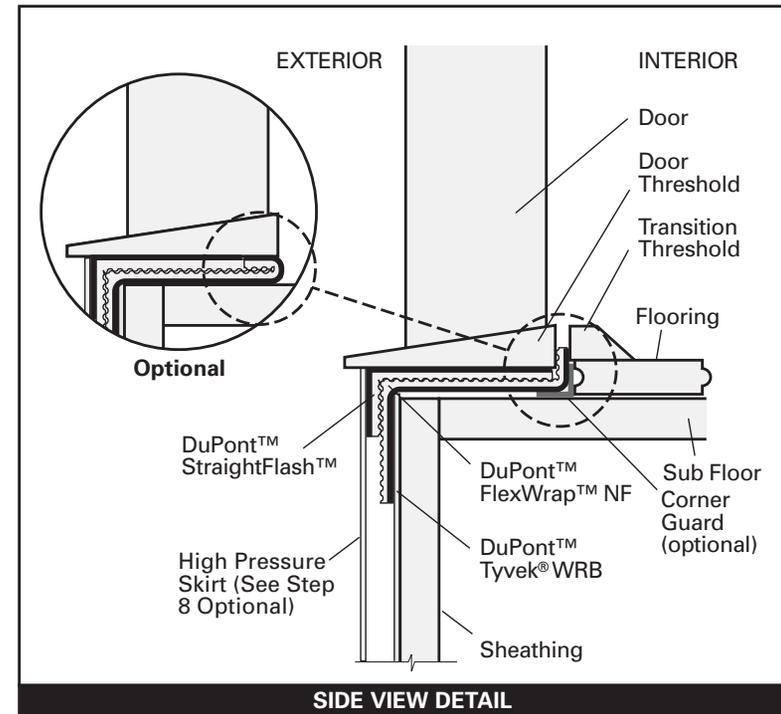
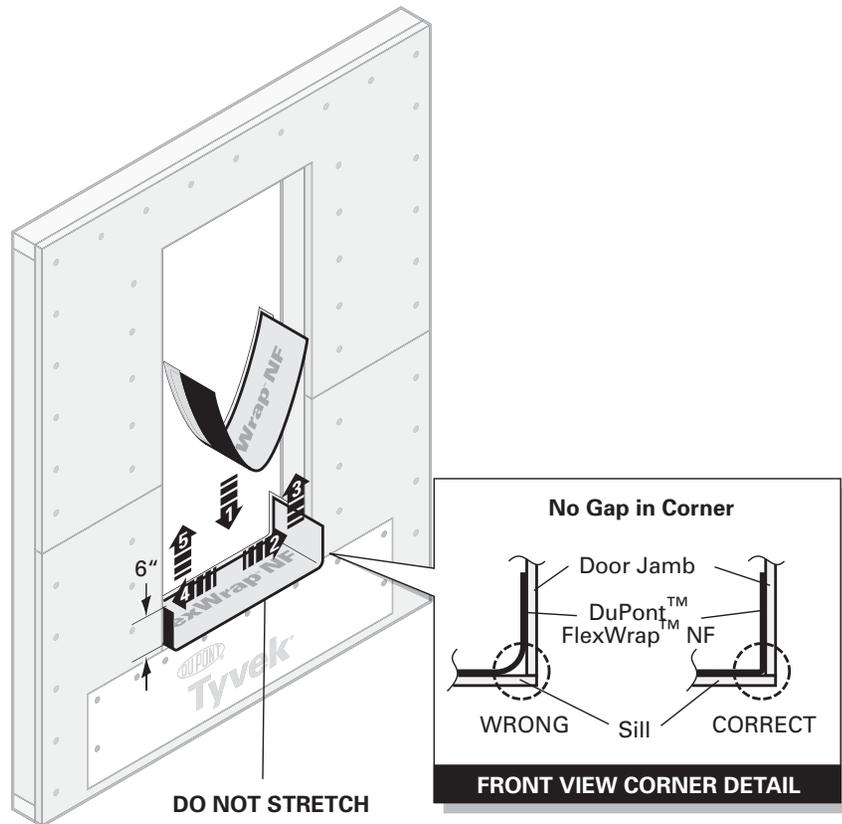


DuPont™ Flashing Systems Installation Guidelines

STEP 3 (OPTIONAL BACK DAM)

Install the sill flashing as indicated leaving the 1" of DuPont™ FlexWrap™ NF with release paper extending it past the door threshold on the inside. When the 1" of release paper is removed, there should be 3/4" of flashing to form the back dam.

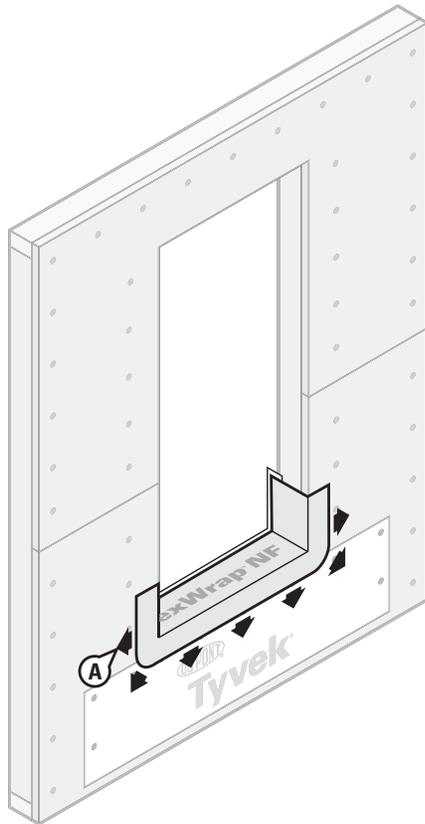
OPTION 2: Some flooring cannot accommodate a back dam. In that case fold the 1" back dam on top of DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of the 1" fold to create a back dam.



DuPont™ Flashing Systems Installation Guidelines

STEP 4

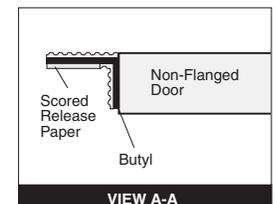
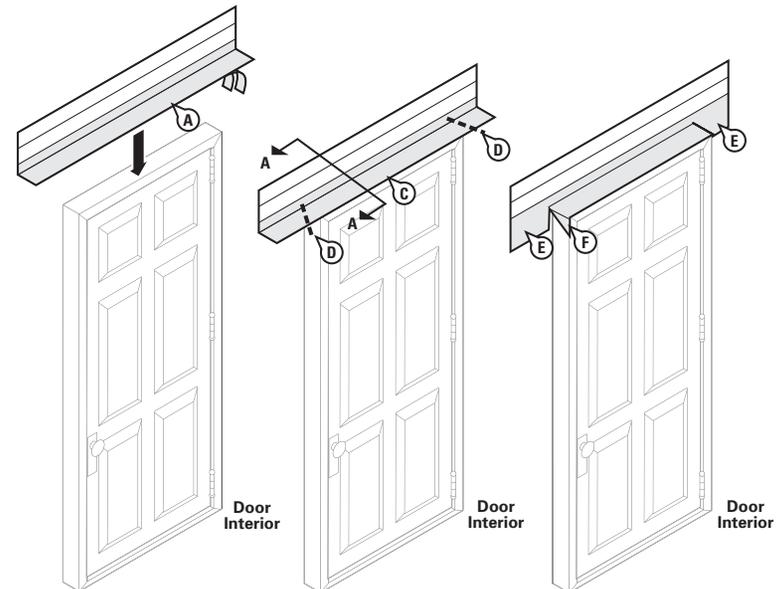
- A. Fan out DuPont™ FlexWrap™ NF at bottom corners onto the face of the wall.
 Coverage of DuPont™ FlexWrap™ NF should be 2" to 3" onto the face of the wall.



A. FOR NON-FLANGED DOORS ONLY

STEP 5

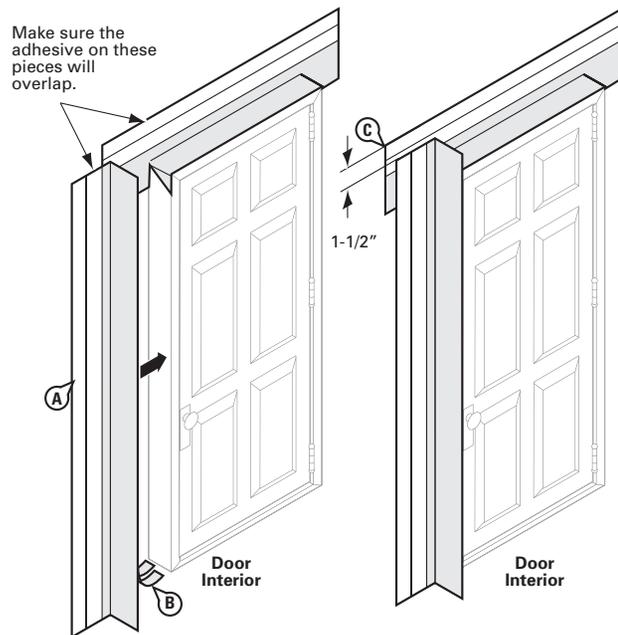
- A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches **LONGER** than the head length.
 B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
 C. Center the DuPont™ StraightFlash™ VF along the length of the door and position so that it 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 parallel to the door frame.
 F. Fold remaining head flashing onto to the jamb.



DuPont™ Flashing Systems Installation Guidelines

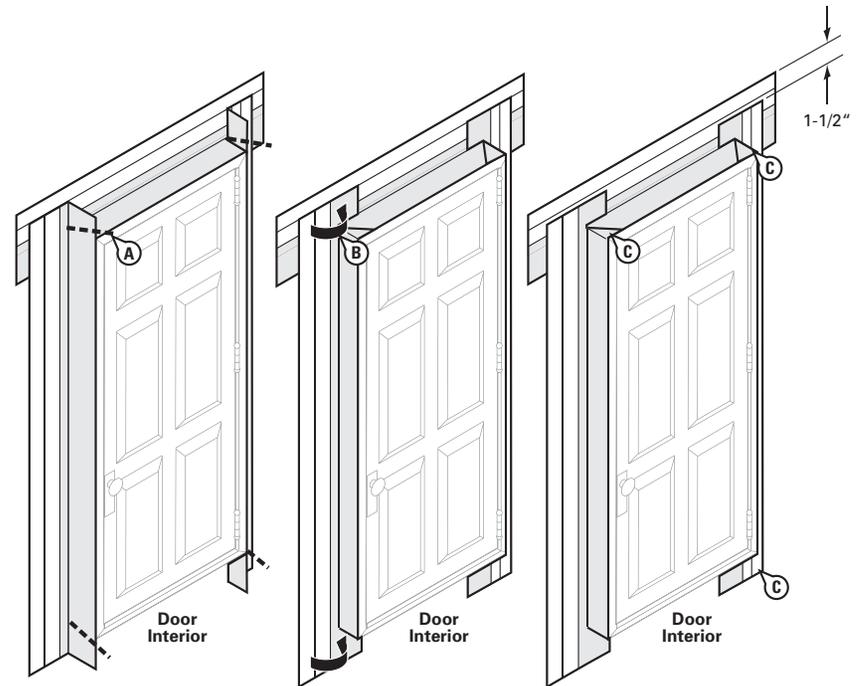
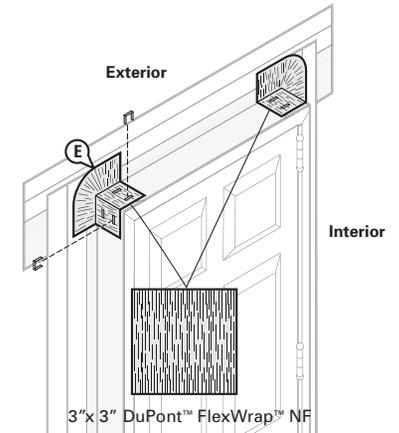
STEP 6

- 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 the DuPont™ StraightFlash™ VF 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.**
- Repeat on opposite jamb.



STEP 7

- Beginning at the junction of the jamb and head and at the sill and jamb and away from the corners, cut the DuPont™ Straightflash™ VF along the corners at a 45° angle and fold it over flat to adhere it against the head flashing.
- Fold newly created flap down parallel to the door frame.
- Fold flashing flaps to the door frame and adhere.
- Repeat on opposite jamb.
- Cut two 3" x 3" DuPont™ FlexWrap™ NF squares and add patches to corner of the door. Staple patches in corners to secure the wooden head and jambs.



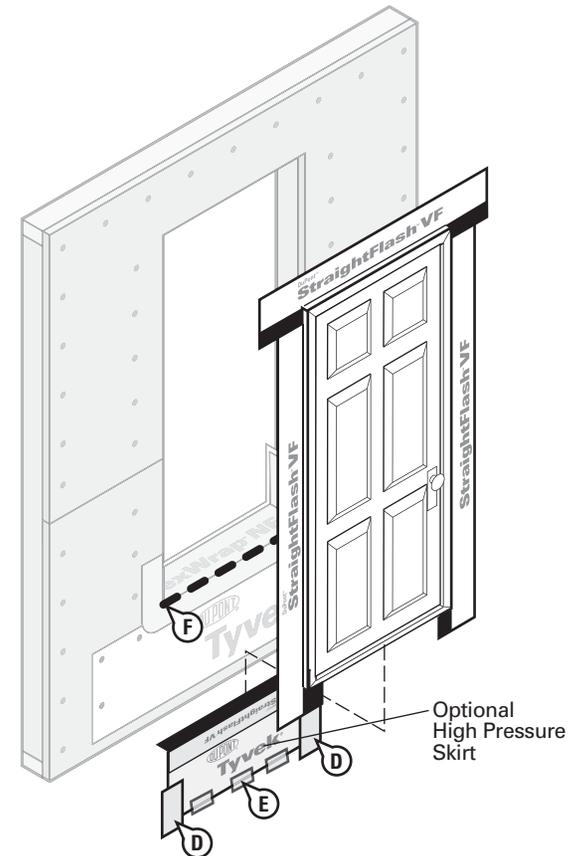
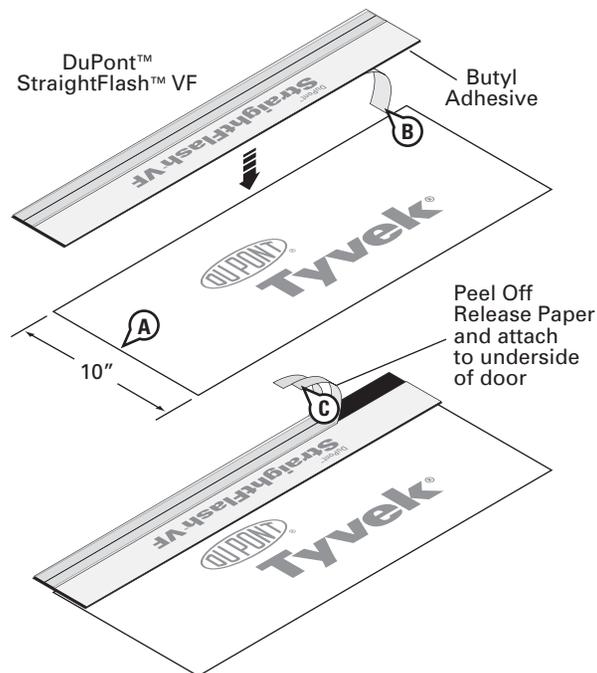
DuPont™ Flashing Systems Installation Guidelines

FOR NON-FLANGED DOORS

STEP 8 (OPTIONAL - HIGH PRESSURE SKIRT)

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 the door opening and approximately 10" in height.
- 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 the DuPont™ Tyvek® WRB. The skirt may be made with DuPont™ StraightFlash™ VF, DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- 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.
- Secure edges of the optional skirt with two 4" pieces of DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
- Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.
- If sealant is applied to the sill, insure (2) 2" gaps to allow for drainage for every 4' of door using DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant.

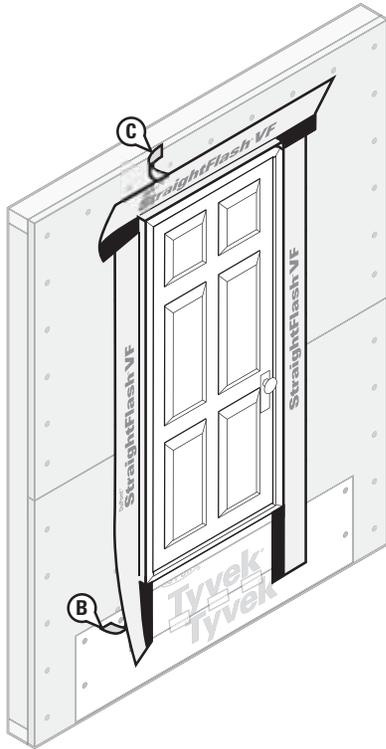


DuPont™ Flashing Systems Installation Guidelines

STEP 9

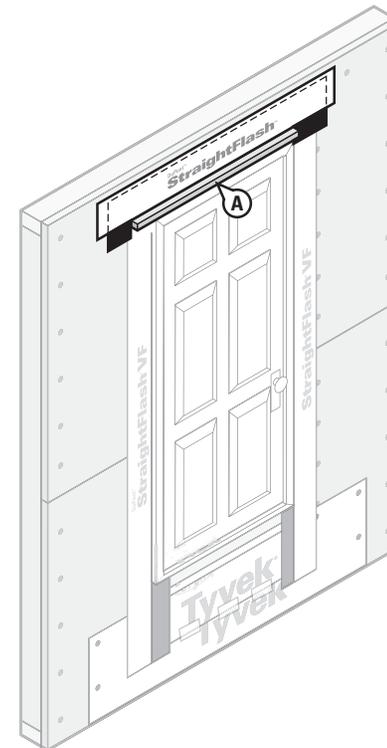
- A. Install door according to manufacturer's installation instructions.
- B. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.
- C. Remove the release paper at the head and adhere it to the exterior sheathing or framing members.

OPTIONAL: Cover exposed butyl with DuPont™ StraightFlash™, DuPont™ Flashing Tape or DuPont™ Tyvek® Tape.



STEP 10 (OPTIONAL - RECOMMENDED BEST PRACTICE)

- A. Cut a piece of metal or vinyl drip cap slightly longer than the width of the door and place a bead of DuPont™ Residential Sealant, DuPont™ Commercial 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.

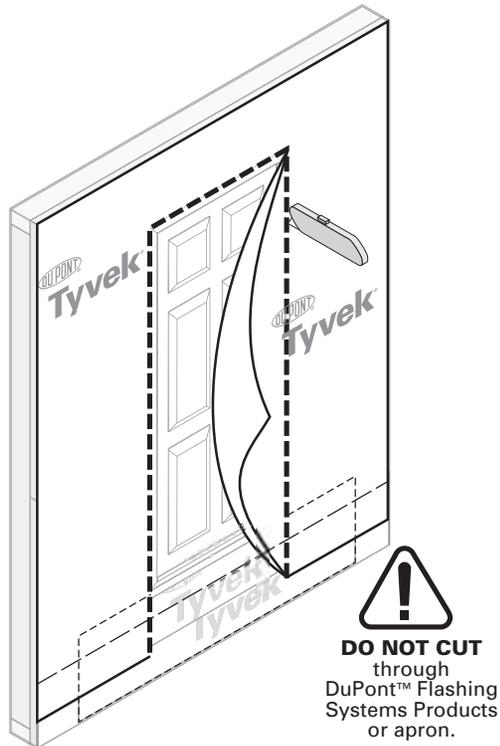


DuPont™ Flashing Systems Installation Guidelines

STEP 11

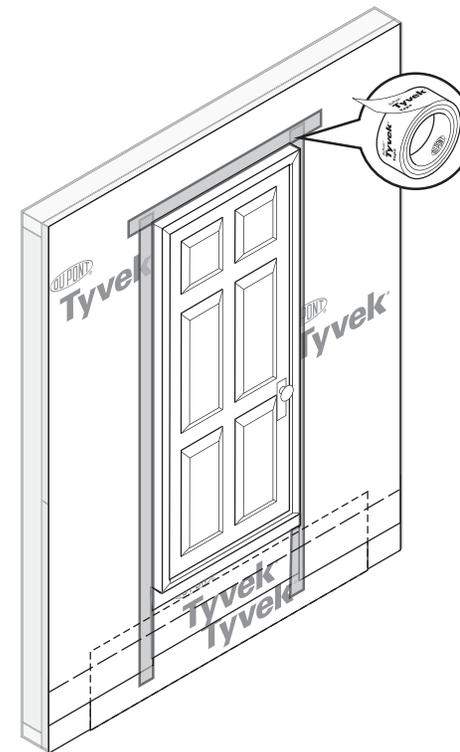
After installing the DuPont™ Tyvek® WRB, cut as shown to expose door and apron. (Refer to the *DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines* to install the DuPont™ Tyvek® WRB properly).

DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 12

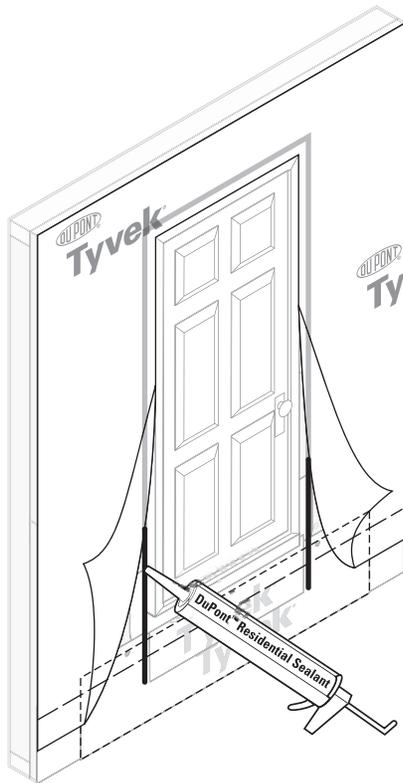
- Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- Lap bottom of apron and the DuPont™ Tyvek® WRB over building materials below for proper shingling.



DuPont™ Flashing Systems Installation Guidelines

ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.

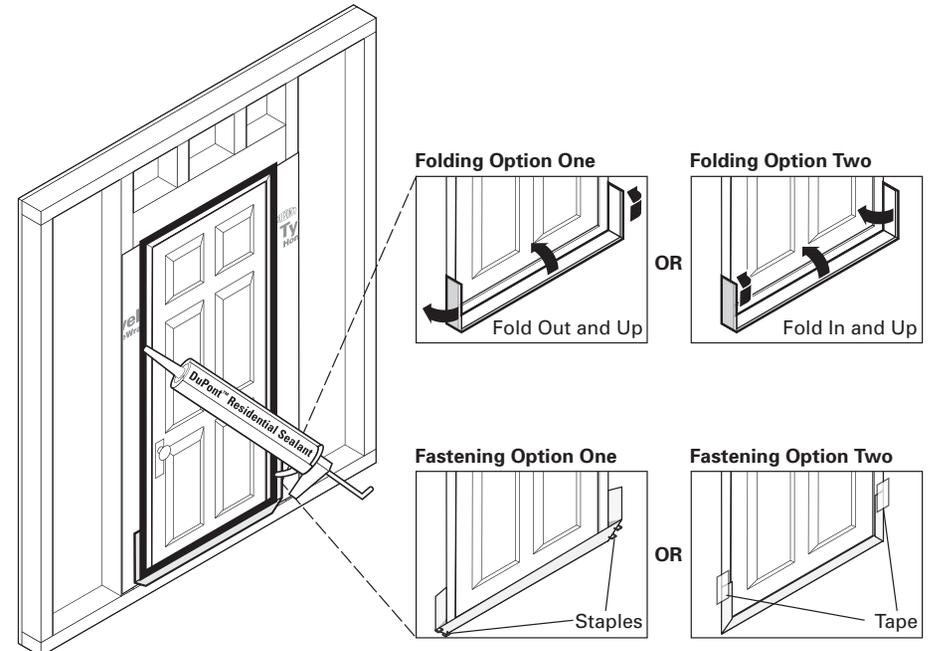


STEP 13

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, DuPont™ Commercial 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 or DuPont™ Commercial 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.

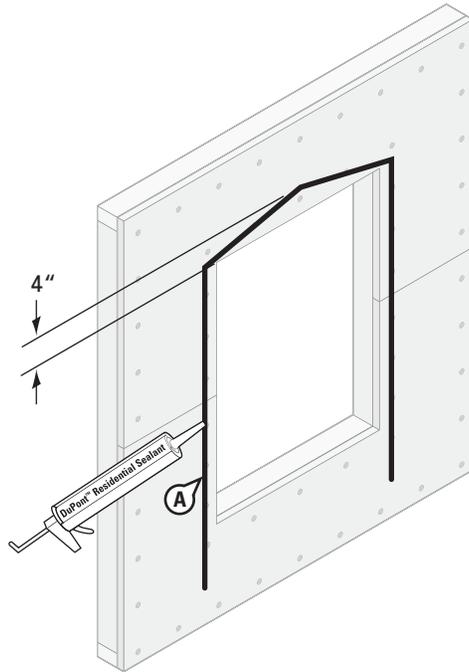


Alternate head detail For Air Barrier Installations (integral, flanged, brick mold, field applied and non-flanged windows and doors)

METHOD MODIFIED FULL AIR BARRIER HEAD DETAIL FOR DRAINAGE

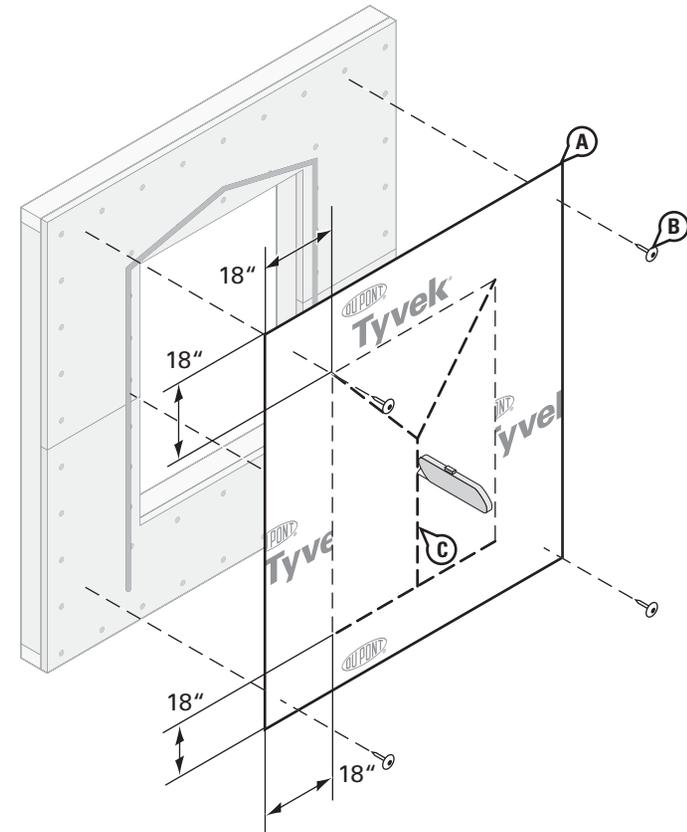
STEP 1

- A. Apply a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around jambs and head, angle the sealant to create a 4" peak.



STEP 2

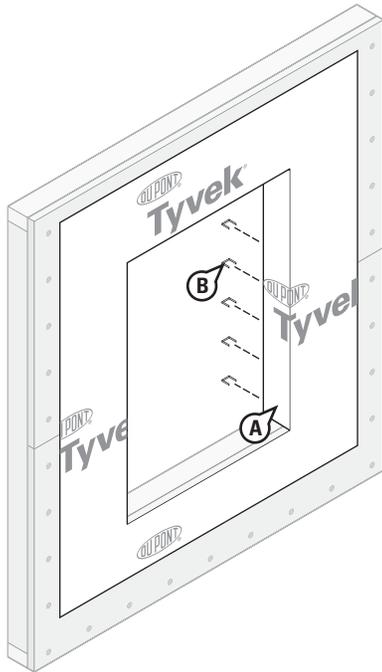
- A. Cut a piece of DuPont™ Tyvek® WRB that overlaps the window opening by 18".
B. Press the cut piece of DuPont™ Tyvek® WRB into the sealant, maintaining an 18" overlap on all sides of the opening, and attach with fasteners.
C. Cut opening as shown ensuring an 18" overlap of DuPont™ Tyvek® WRB.



DuPont™ Flashing Systems Installation Guidelines

STEP 3

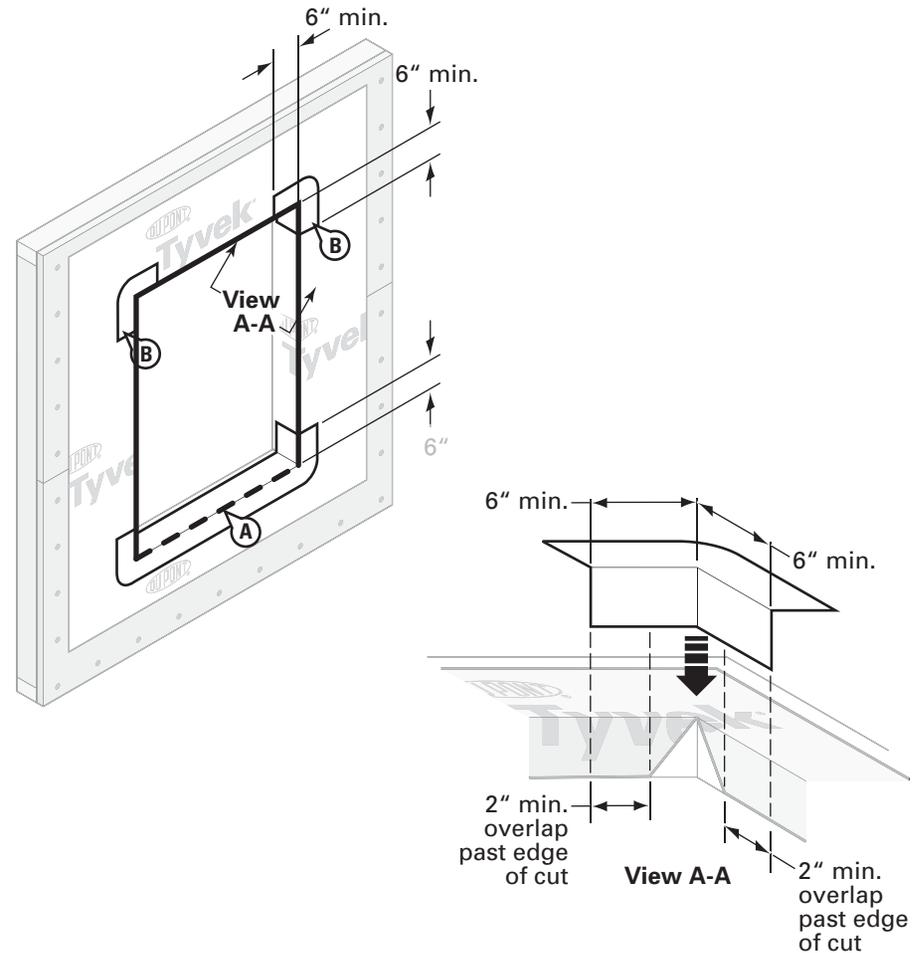
- A. Fold head and jamb flaps into rough opening.
- B. Secure flaps to inside wall framing using staples. Cut off excess flaps if desired.



STEP 4

- A. Install DuPont™ FlexWrap™ NF at the sill.
- B. Install a minimum of 12" DuPont™ FlexWrap™ NF corners at the head.

A longer piece of DuPont™ FlexWrap™ may be required to properly cover the exposed areas of the opening to establish a 2" minimum overlap past edge of cut. See detail View A-A.

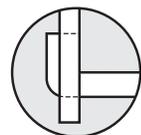
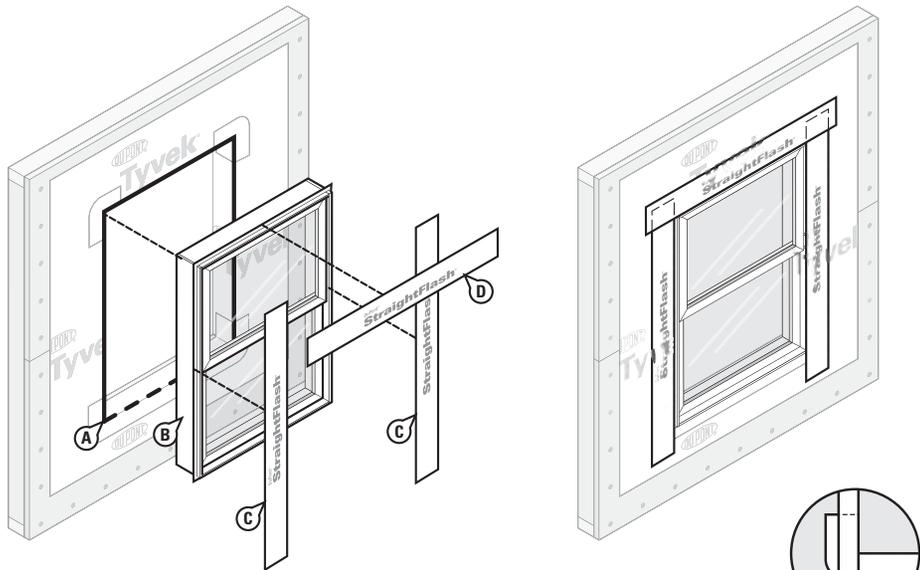


DuPont™ Flashing Systems Installation Guidelines

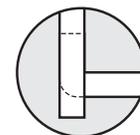
STEP 5

- A. Apply DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant on three sides (jambs 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.
- B. Install window according to manufacturer's instructions.
- C. 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.
- D. Cut a piece of DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF or DuPont™ Flashing Tape for head flashing, which should extend beyond the outer edges of the jamb flashings. Remove release paper and install to completely cover flange while also adhering to the face of the wall.

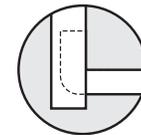
NOTE: Ensure proper shingling. DuPont™ StraightFlash™ or DuPont™ Flashing Tape must overlap DuPont™ FlexWrap™ NF and adhere to the DuPont™ Tyvek® WRB.



INCORRECT
DuPont™
FlexWrap™ NF
reverse flashed



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

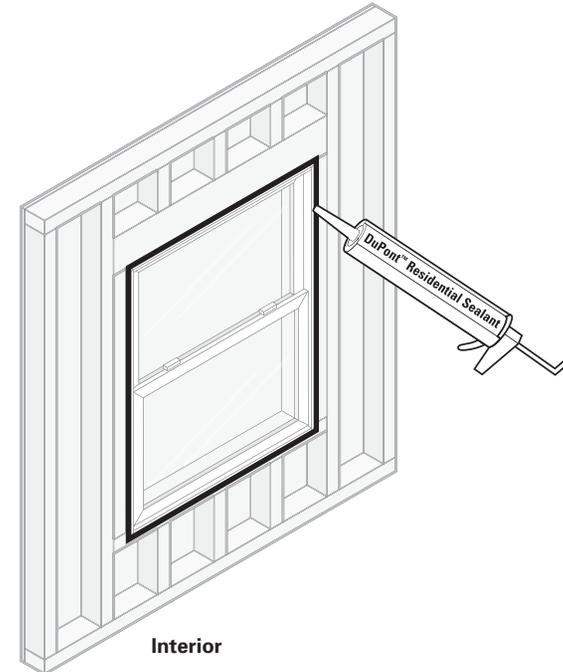


CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

STEP 6

Install DuPont™ Residential Sealant, DuPont™ Commercial 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 or DuPont™ Commercial 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.

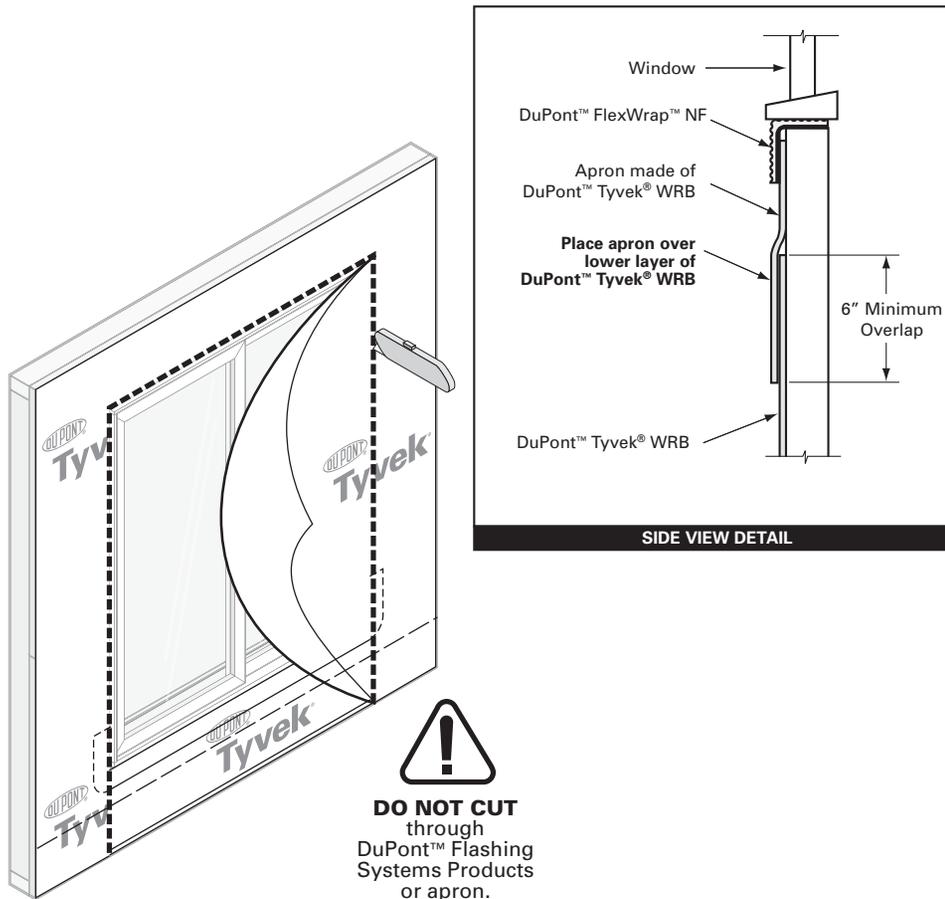


DuPont™ Flashing Systems Installation Guidelines

STEP 7

After installing the DuPont™ Tyvek® WRB, cut as shown to expose 1" of flashing around the window frame as shown. (Refer to the *DuPont™ Tyvek® Water-Resistive and Air Barriers Installation Guidelines* to install the DuPont™ Tyvek® WRB properly).

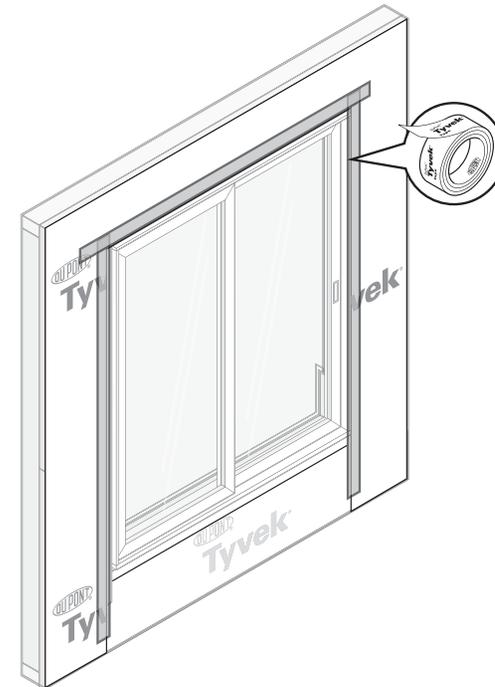
DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.



STEP 8

Final Step

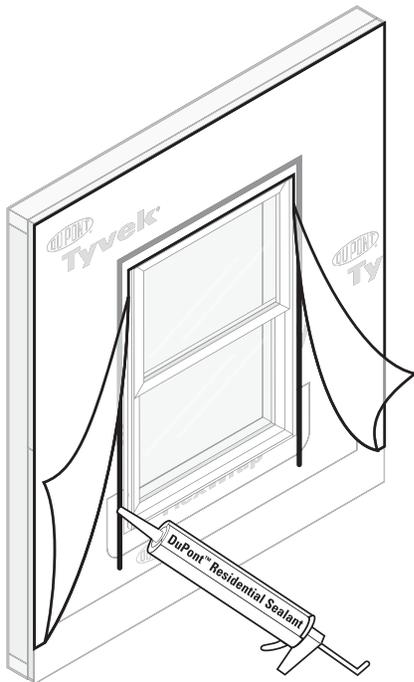
- Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- Lap bottom of apron and DuPont™ Tyvek® WRB over building materials below for proper shingling.



DuPont™ Flashing Systems Installation Guidelines

ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.

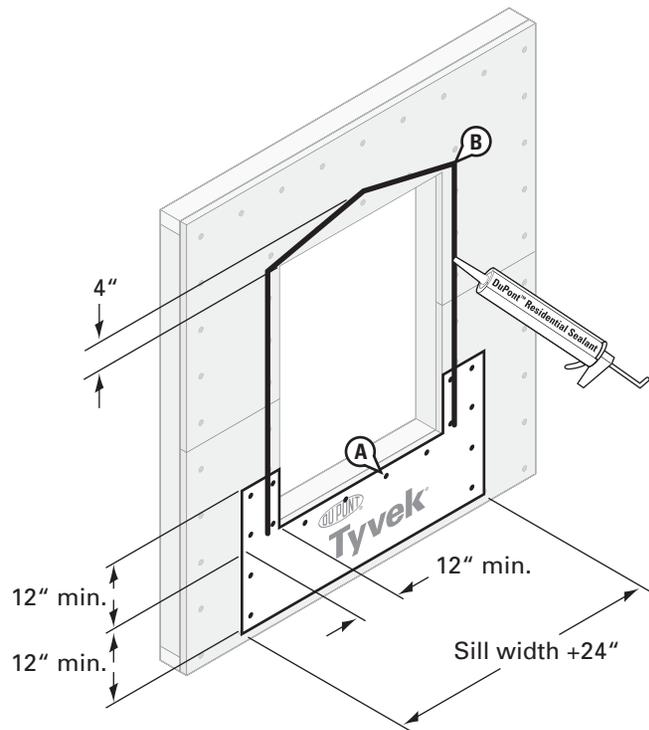


DuPont™ Flashing Systems Installation Guidelines

OPTIONAL HEAD DETAIL TO MEET SPECIFIC AIR BARRIER STANDARDS

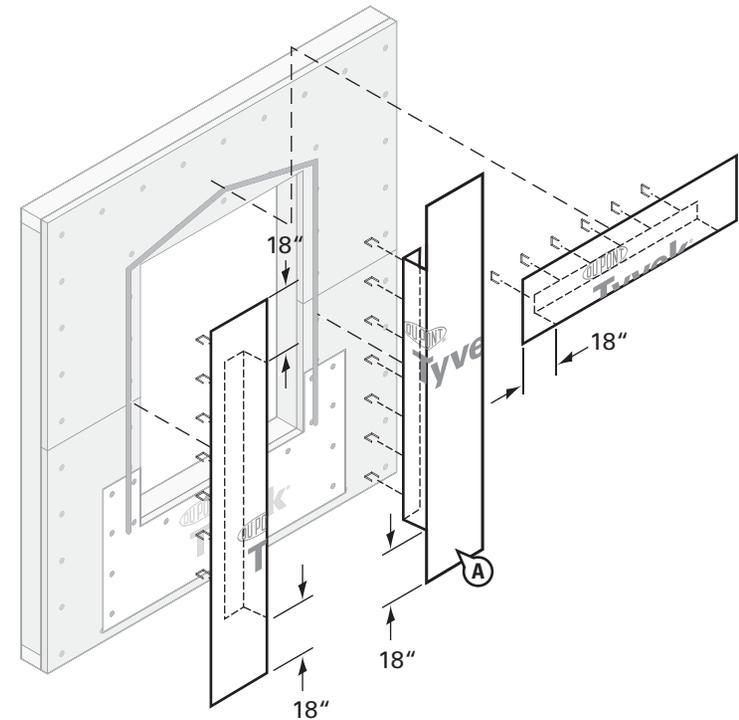
STEP 1

- A. Prepare DuPont™ Tyvek® WRB apron and fasten as shown.
- B. Install continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around jambs and head, angle the sealant to create a 4" peak.



STEP 2

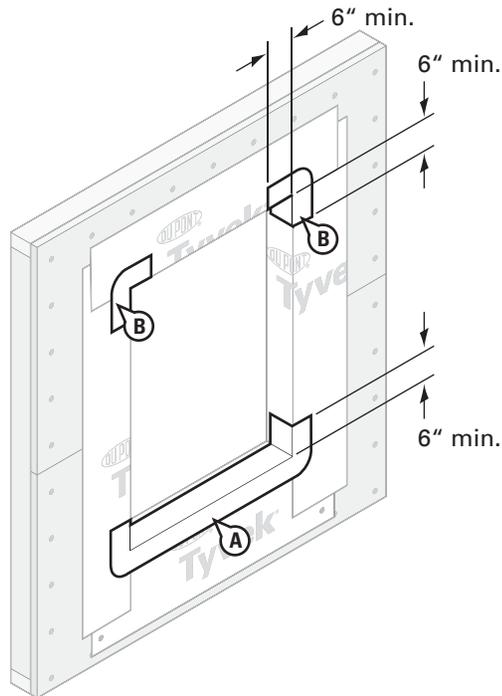
- A. Install DuPont™ Tyvek® WRB pieces, wrapping the DuPont™ Tyvek® WRB in and around the studs in at the jamb and head, pressing the pieces of DuPont™ Tyvek® WRB into the sealant. Staple DuPont™ Tyvek® WRB to inside framing to secure.



DuPont™ Flashing Systems Installation Guidelines

STEP 3

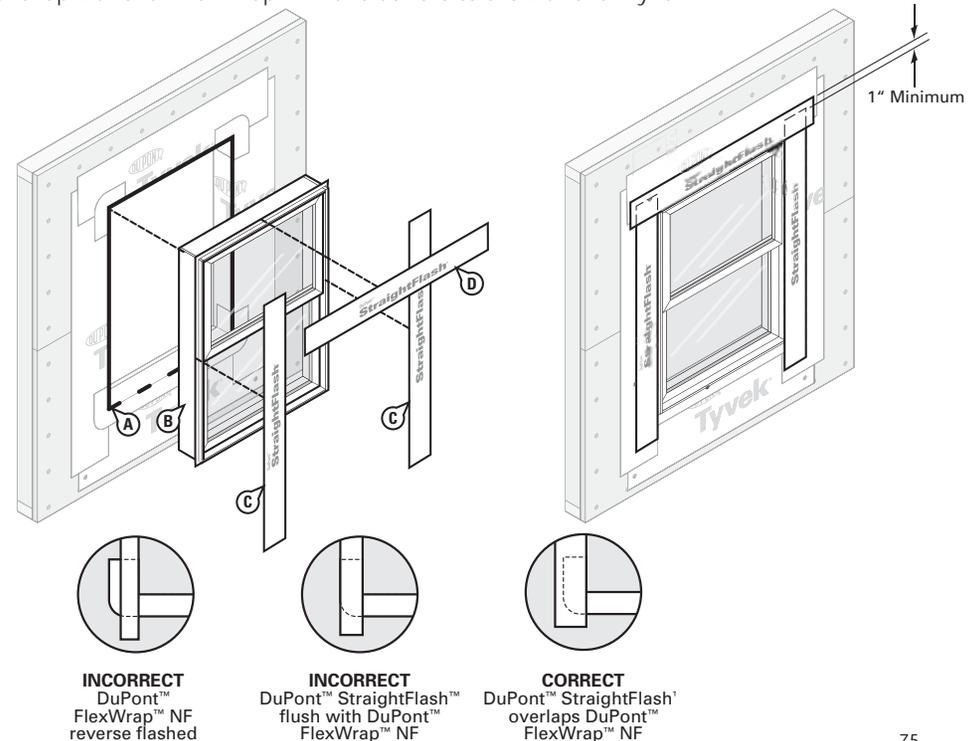
- Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of the sill rough opening. Remove the first piece of release paper, cover the sill by aligning the DuPont™ FlexWrap™ NF to the inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6" on each side). Remove second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



STEP 4

- Apply DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant on three sides (jambs 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.
- 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, which extends beyond outer edges of jamb flashings. Remove release paper and install completely covering mounting flange and adhering to the DuPont™ Tyvek® WRB pieces.

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

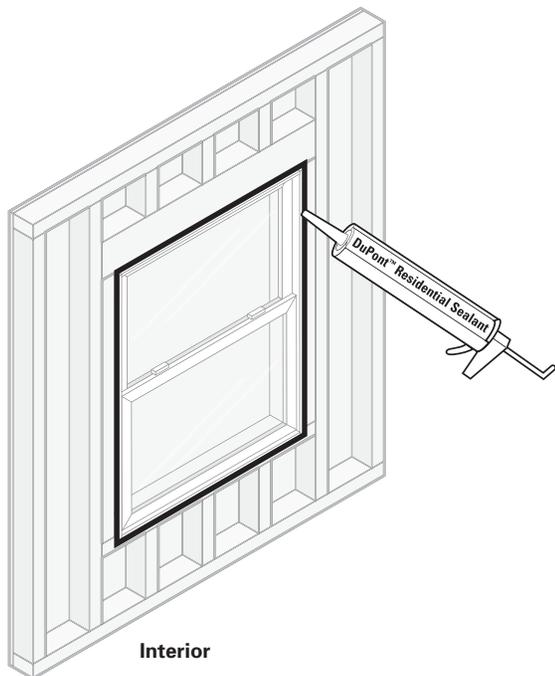


DuPont™ Flashing Systems Installation Guidelines

STEP 5

Install DuPont™ Residential Sealant, DuPont™ Commercial 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 or DuPont™ Commercial 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.

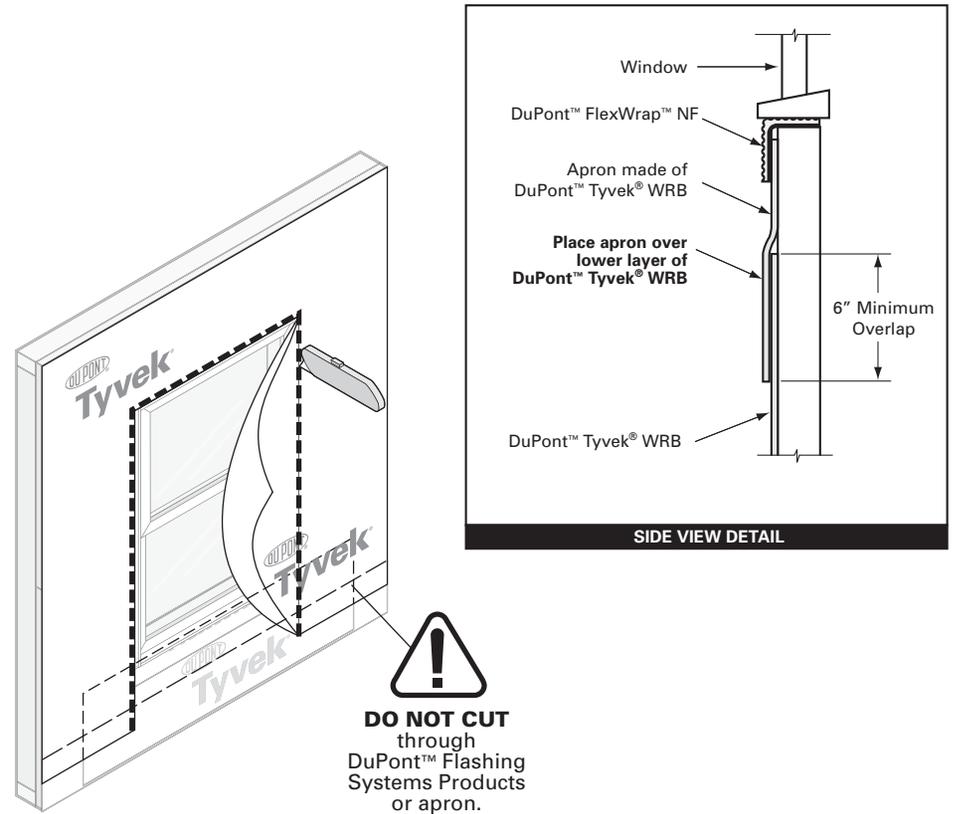
NOTE: Installations that specify a window/door design rating of DP45 or greater require extra precautions. See General Instructions for performance requirements exceeding this design rating.



STEP 6

A. After installing the DuPont™ Tyvek® WRB, cut as shown to expose 1" of flashing around the window frame and apron. (Refer to the *DuPont™ Tyvek® Water-Resistive and Air Barriers Installation Guidelines* to install the DuPont™ Tyvek® WRB properly).

DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.

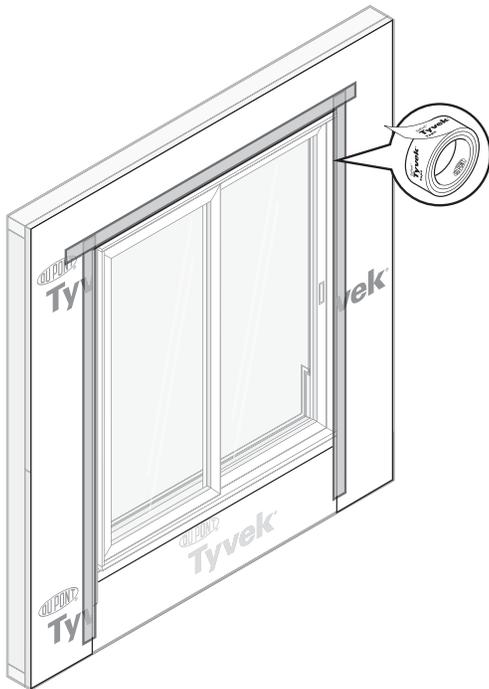


DuPont™ Flashing Systems Installation Guidelines

STEP 7

Final Step

- A. 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.
- B. Lap bottom of apron and DuPont™ Tyvek® WRB over building materials below for proper shingling.



Integral Flanged Window in Recessed Windows BEFORE Water-Resistive Barrier (WRB) is Installed

Method applies to the following products:

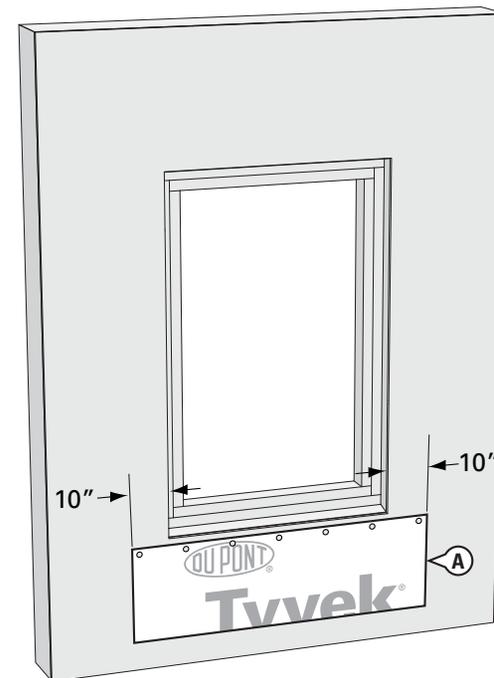
DuPont™ FlexWrap™ RW, DuPont™ FlexWrap™ NF and DuPont™ StraightFlash™

NOTE: This installation guide shows a double stud application. If using single stud application use DuPont™ FlexWrap™ RW for single stud construction and follow the same techniques.

STEP 1

Prepare WRB for window installation:

- A. Attach apron made of DuPont™ Tyvek® WRB under sill. Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to wall and the bottom of apron should be left free to overlap later with the DuPont™ Tyvek® WRB installation.

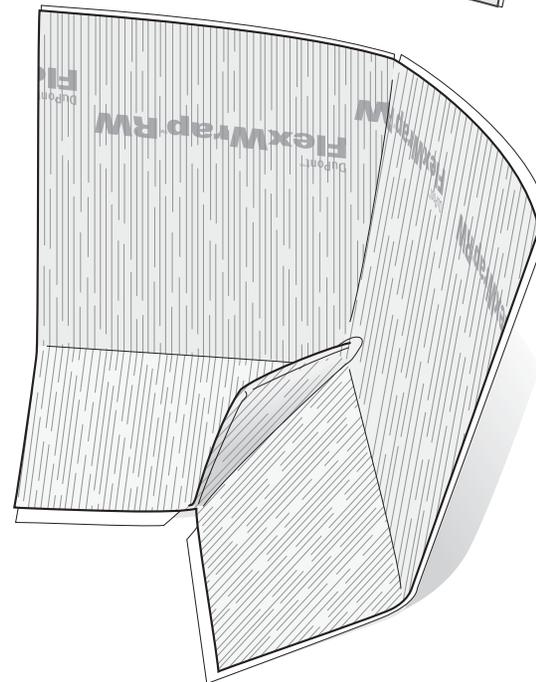
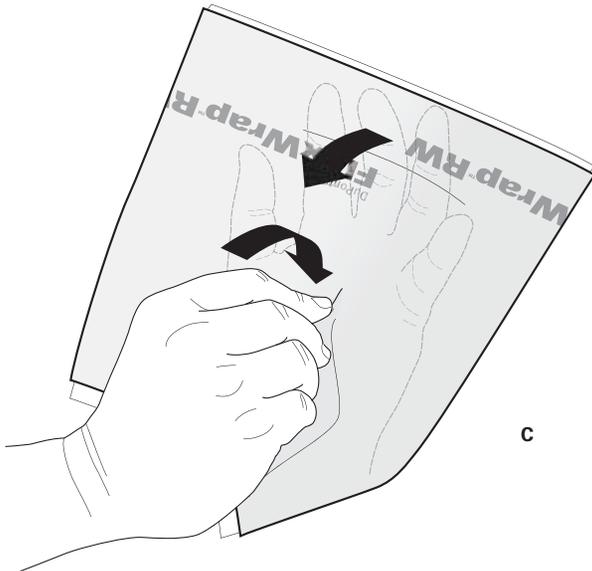
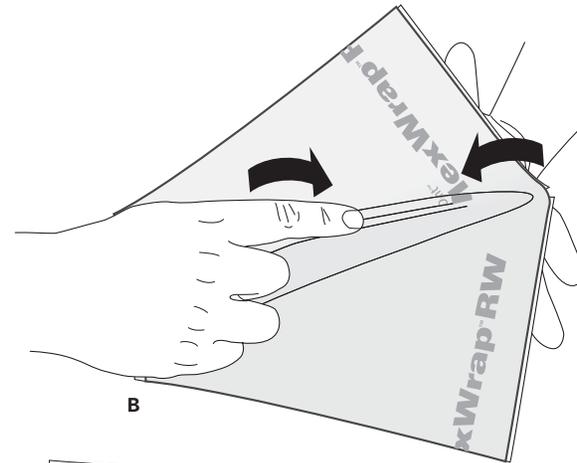
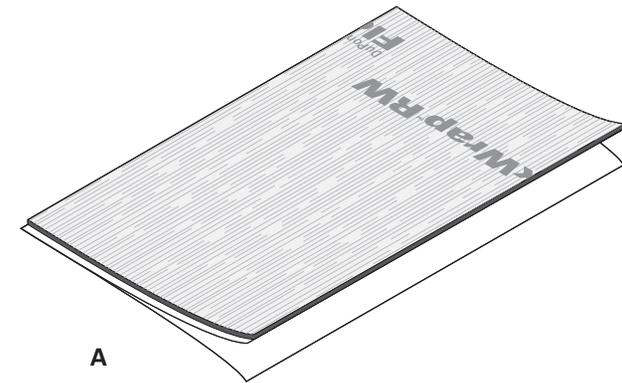


DuPont™ Flashing Systems Installation Guidelines

STEP 2

Make four corners for the recessed window:

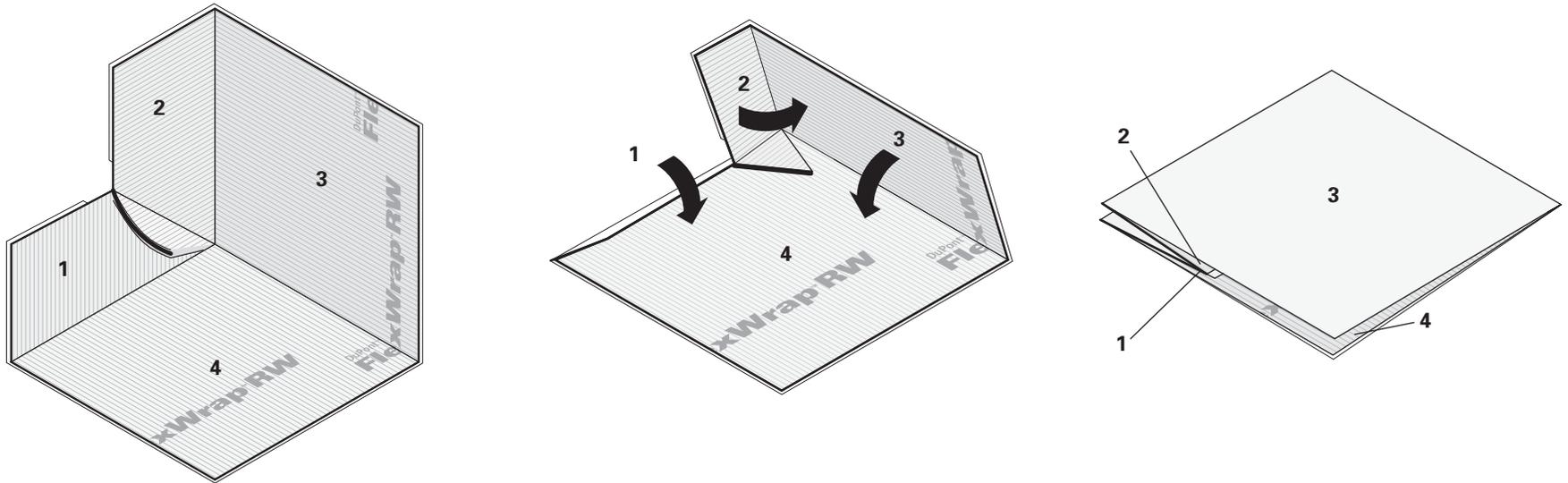
- Remove DuPont™ FlexWrap™ RW and hold the corner with the attached adhesive with the first and third finger.
- Place index finger on tip of upper edge of adhered butyl and pinch butyl triangle at the base with thumb and middle finger.
- Using the other hand, invert flashing to form a three-dimensional corner.
- Repeat three more times for three remaining corner pieces.



DuPont™ Flashing Systems Installation Guidelines

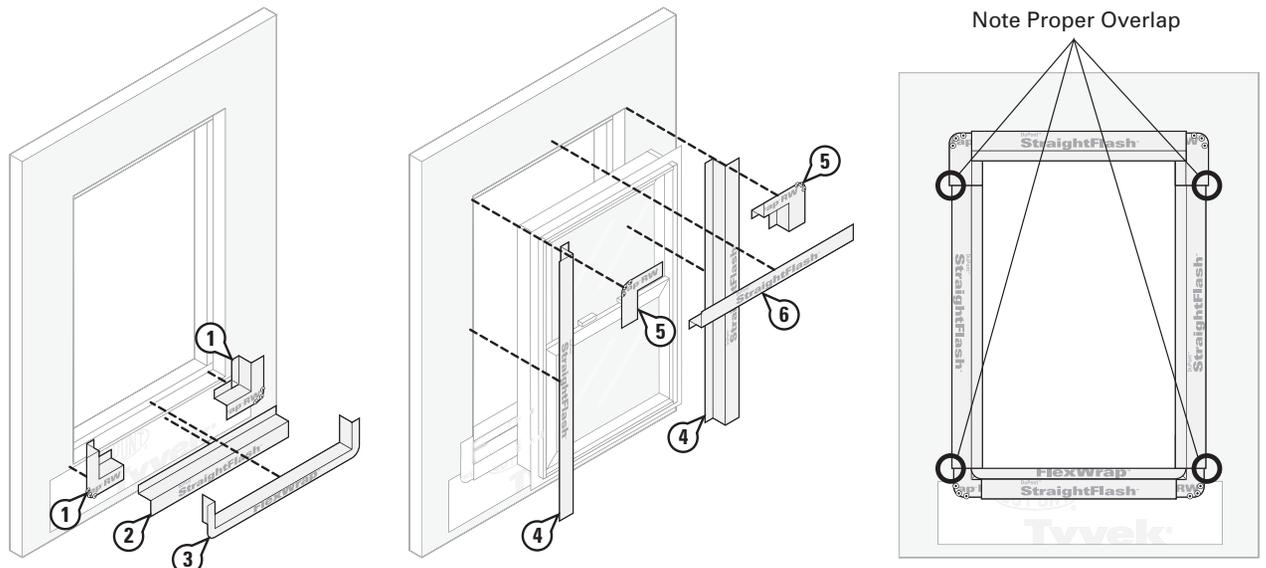
STEP 3

A. Once inverted, fold 1 and 2 towards the crease line and complete the folding process by folding section 3 onto 4.



CORRECT SHINGLING CORRECT ORDER OF PRODUCT INSTALLATION

NOTE: Please refer to this diagram as you proceed for proper installation. An accepted variation to the schematic would be to install the DuPont™ StraightFlash™ at the sill and head before the respective corners (i.e., placing Step 2 before Step 1 and Step 6 before Step 5). **Any other sequence deviation from the above described process is incorrect.**



DuPont™ Flashing Systems Installation Guidelines

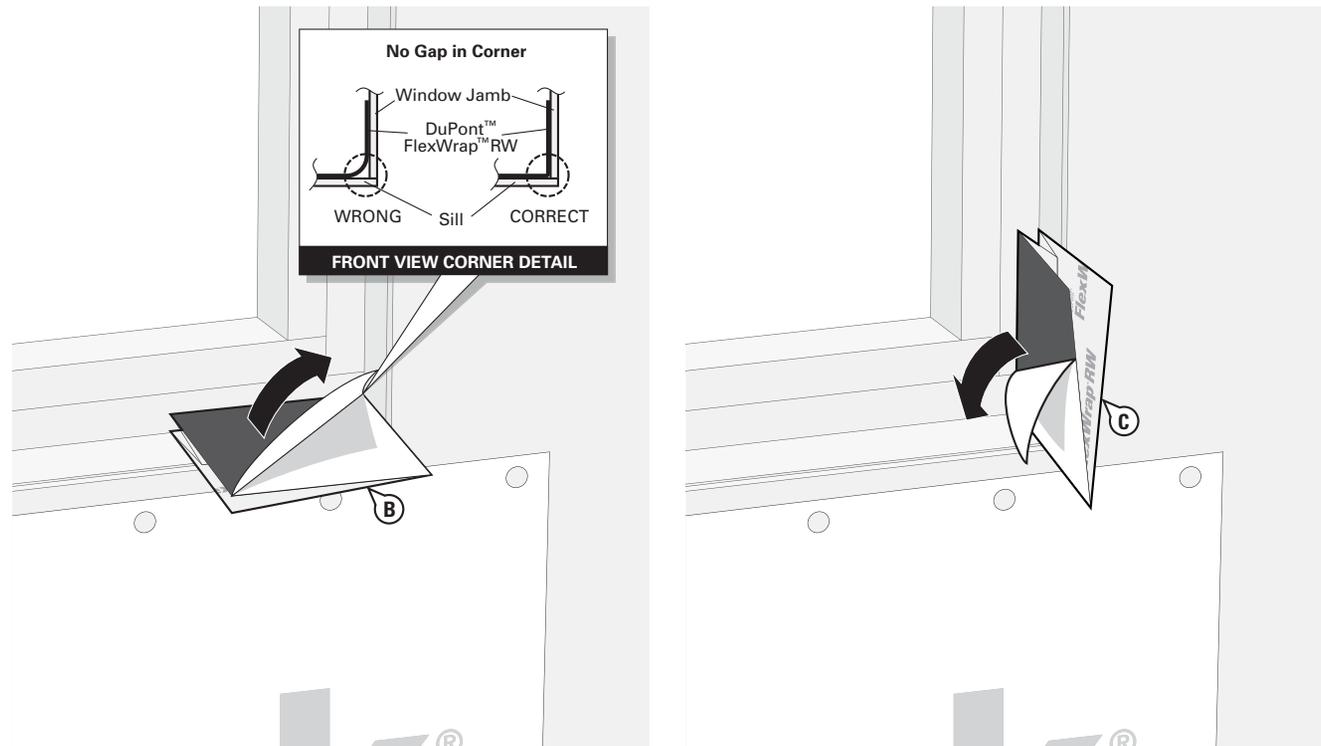
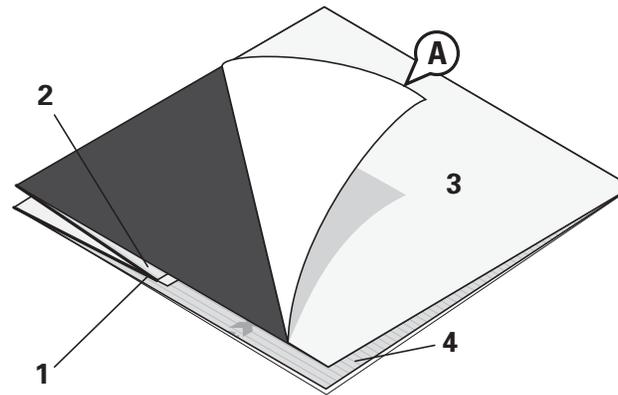
STEP 4

A. Remove release paper first from either side 3 or side 4 – but not both.

NOTE: Keeping the remaining release papers intact will keep the DuPont™ FlexWrap™ RW more rigid and help to maneuver the flashing into the corners.

B. Place prepared DuPont™ FlexWrap™ RW tightly into corner of outer sill. Once in place, lift exposed butyl and adhere to window jamb.

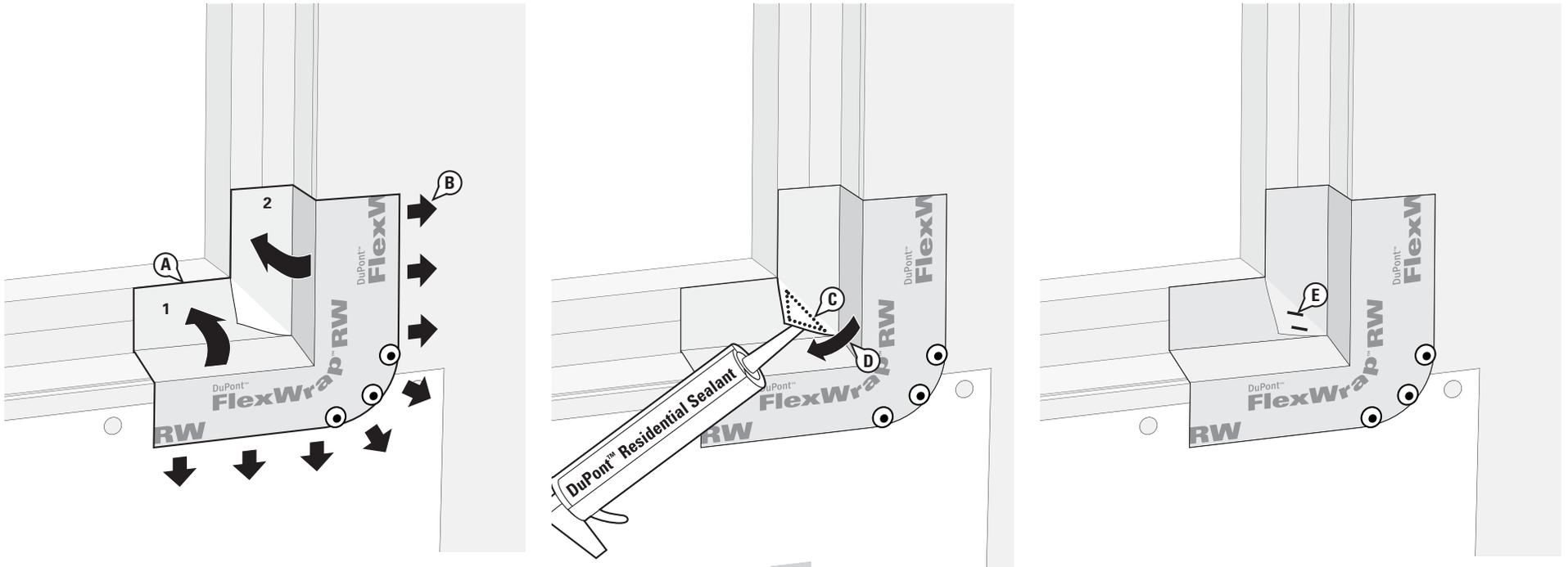
C. Lift the remaining side and remove second piece of release paper exposing butyl. Fold down and attach butyl to sill.



DuPont™ Flashing Systems Installation Guidelines

STEP 5

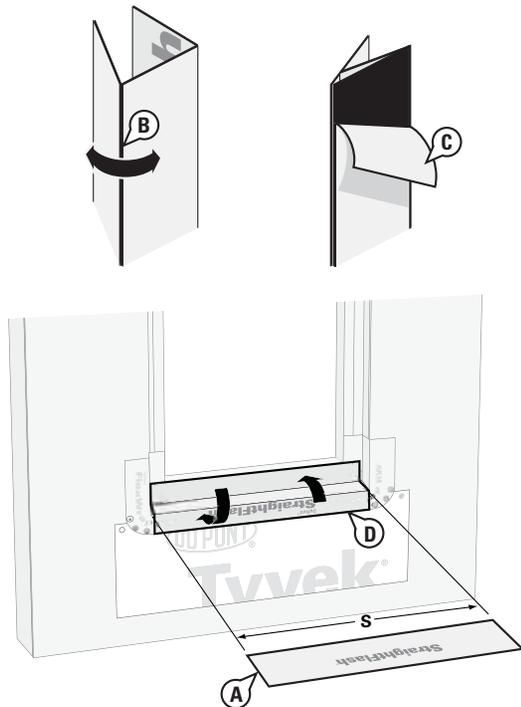
- A. Fold flaps 1 and 2 and remove both pieces of release paper. Adhere butyl to inner recessed sill plate.
- B. Fan out outer corners of the DuPont™ FlexWrap™ RW and tack corners on to the face of the wall in three places using recommended fasteners.
- C. Place a bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant inside the corner flap behind the loose triangular flap of the corner piece.
- D. Press down the loose triangular flap onto sealant in the corner piece.
- E. Staple down flap.



DuPont™ Flashing Systems Installation Guidelines

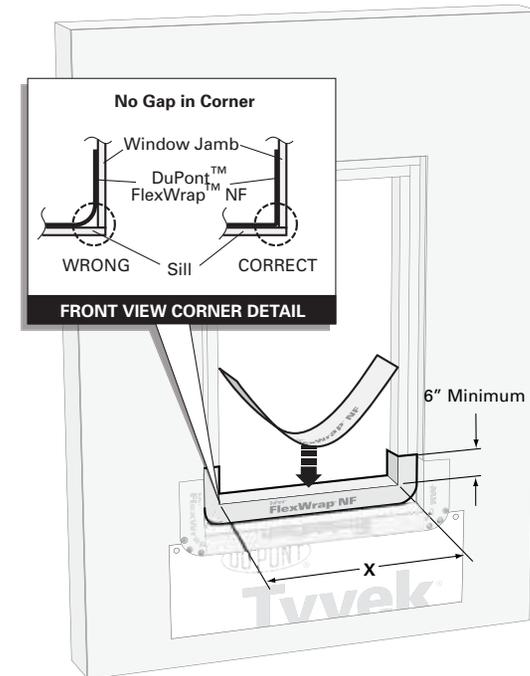
STEP 6

- A. Using 9" width DuPont™ StraightFlash™, cut the length of the flashing slightly **SHORTER** than the length of the outer sill (S).
 - B. Break all the perforations on the release paper by folding the flashing. If some perforations do not break, apply pressure with fingers to the area on the opposite side to break the remaining perforations.
- NOTE:** Failure to break all perforations will result in tearing of the release paper during its removal thereby making the installation difficult.
- C. Fold in, remove center release paper and adhere to sill.
 - D. Unfold remaining DuPont™ StraightFlash™, remove remaining pieces of release paper and adhere butyl adhesive side to face of recessed sill and to face of the DuPont™ Tyvek® WRB.



STEP 7

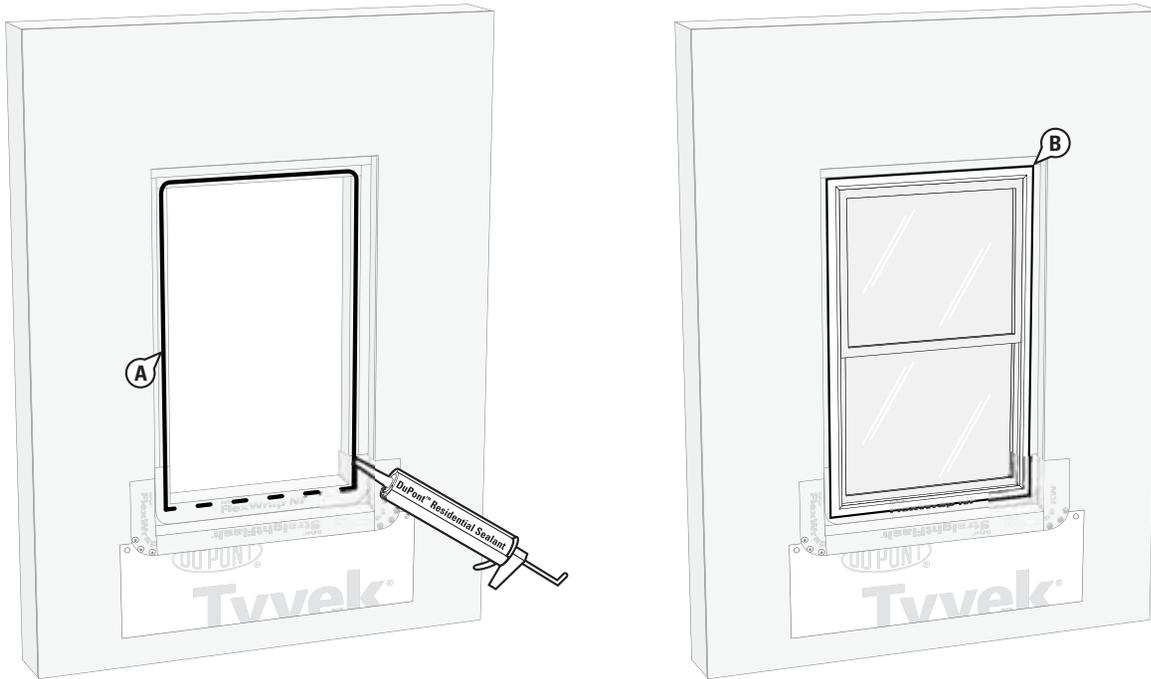
- A. Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of inner/recessed sill (X).
- B. Remove first piece of release paper. Cover horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6" on each side).
- C. Remove second release paper.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



DuPont™ Flashing Systems Installation Guidelines

STEP 8

- A. Apply DuPont™ Residential Sealant, DuPont™ Commercial 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.
- B. Install window per manufacturer's instructions.



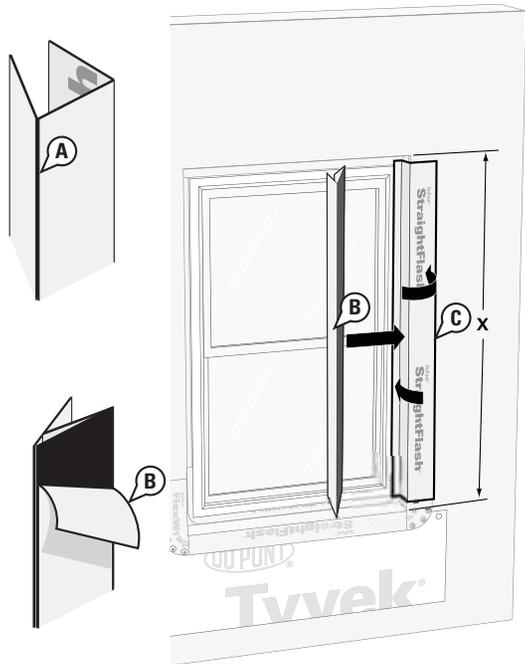
DuPont™ Flashing Systems Installation Guidelines

STEP 9

- A. Fold 9" DuPont™ StraightFlash™ to break all of the perforations on the release paper. If some perforations do not break, apply pressure with fingers to the area on the opposite side to break the remaining perforations.

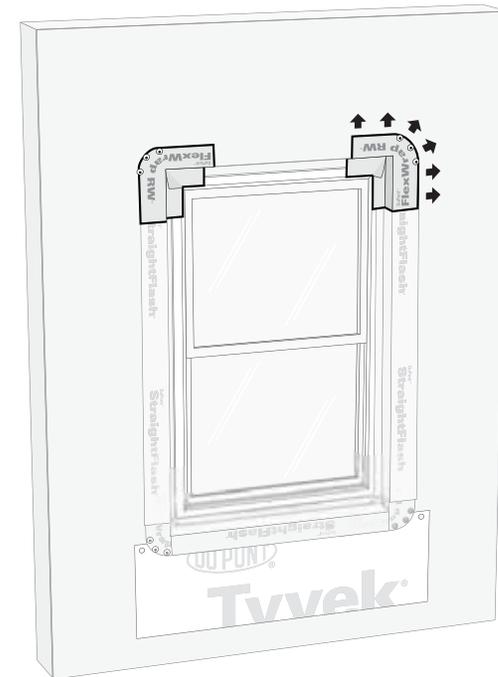
NOTE: Failure to break all perforations will result in tearing of the release paper during its removal making the installation difficult.

- B. Fold DuPont™ StraightFlash™ into three sections and remove only the center release paper. Place exposed butyl adhesive side onto the jamb.
- C. Once the butyl is adhered to the rough opening of the jamb, the two remaining release papers can be removed and the flashing can be attached to the window flange and onto the face of the exterior sheathing.
- D. Repeat on opposite jamb.



STEP 10

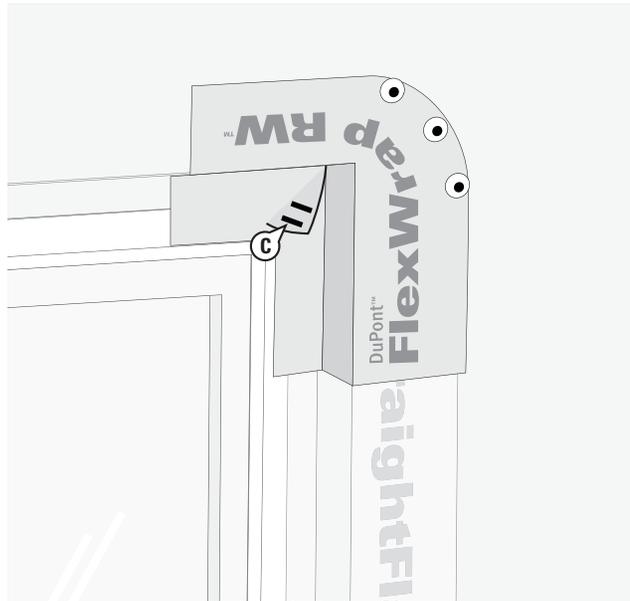
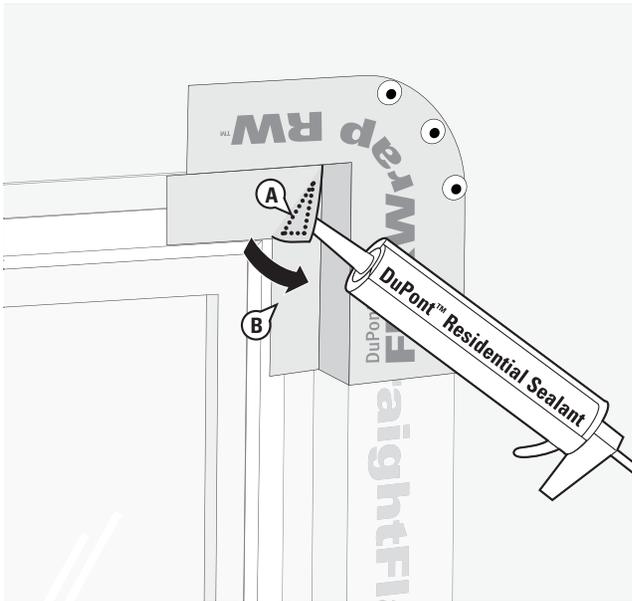
- A. Install DuPont™ FlexWrap™ RW on the upper corner of the window rough opening onto the window flanges in a similar manner used on lower corner pieces. (see Step 4)
- B. Fan out outer corners of the DuPont™ FlexWrap™ RW and tack corners on to the face of the wall in three places using recommended fasteners.



DuPont™ Flashing Systems Installation Guidelines

STEP 11

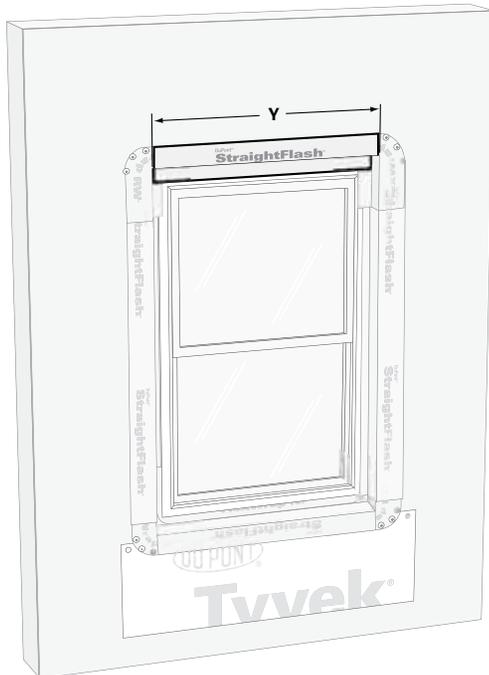
- A. Place a bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant on underside behind corner flap of loose triangular flap in corner.
- B. Press down loose triangle flaps onto the sealant in the corner piece.
- C. Staple down flap after applying the sealant behind flap.



DuPont™ Flashing Systems Installation Guidelines

STEP 12

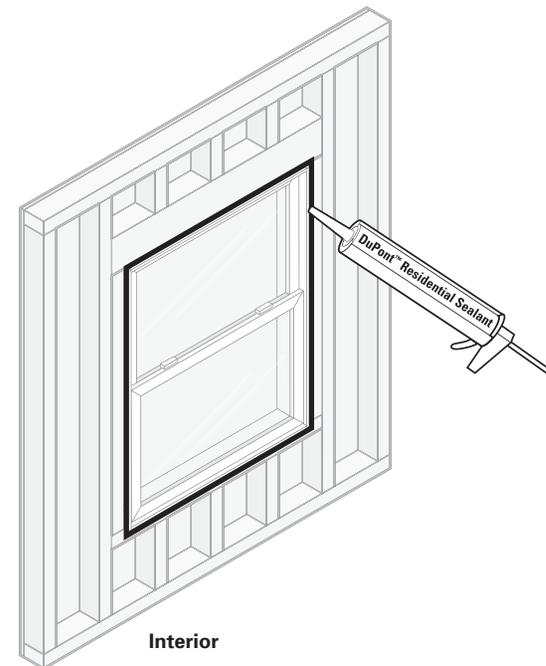
- A. Cut a piece of 9" width DuPont™ StraightFlash™ one inch (1") **SHORTER** than distance of "Y".
- B. Break perforation lines as described in jamb and sill instructions. (see Step 9)
- C. Remove the outer pieces of release paper.
- D. Place on window flange.
- E. Remove inner piece of release paper and adhere to the head.
- F. Remove last and outer piece of release paper and adhere to exterior sheathing.



STEP 13

Install DuPont™ Residential Sealant, DuPont™ Commercial 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 or DuPont™ Commercial 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.

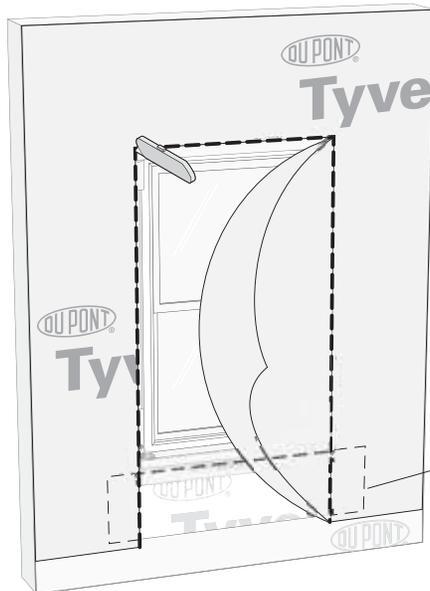
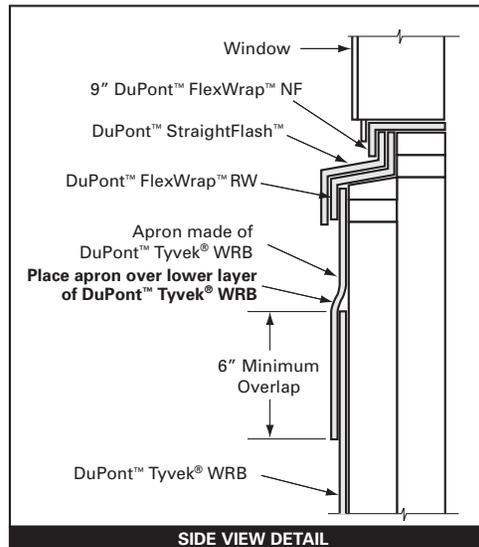


DuPont™ Flashing Systems Installation Guidelines

STEP 14

After installing the DuPont™ Tyvek® WRB, cut as shown to expose window and apron. (Refer to the DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines to install the DuPont™ Tyvek® WRB properly).

DO NOT CUT THROUGH THE DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON.

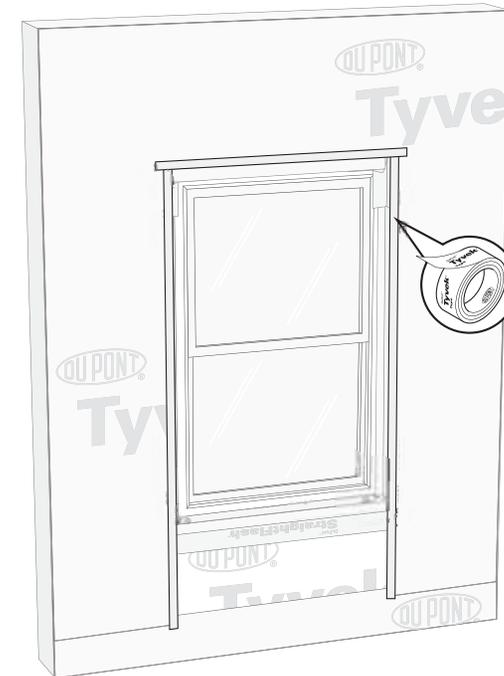


DO NOT CUT through DuPont™ Flashing Systems Products or apron.

STEP 15

Final Step

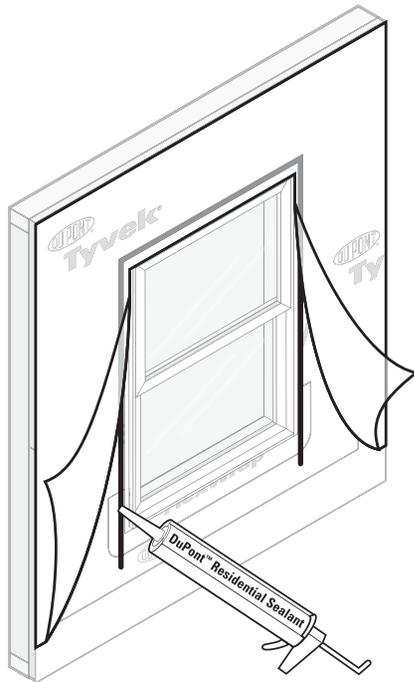
- Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- Lap bottom of apron and the DuPont™ Tyvek® WRB over building materials below for proper shingling.



DuPont™ Flashing Systems Installation Guidelines

ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.



Integral Flanged Window in Recessed Openings with Open Stud Construction BEFORE Water-Resistive Barrier (WRB) is Installed

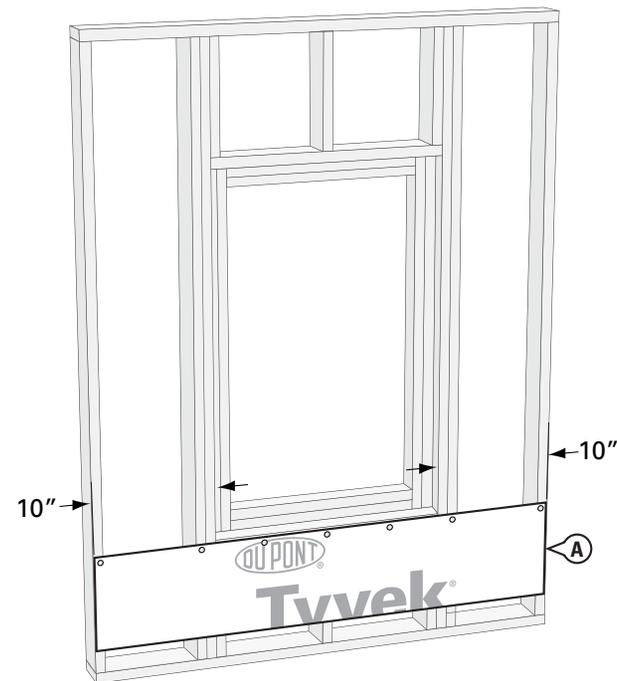
Method applies to the following products:

DuPont™ FlexWrap™ RW, DuPont™ FlexWrap™ NF and DuPont™ StraightFlash™

NOTE: This installation guide shows a double stud application. If using single stud application, use DuPont™ FlexWrap™ RW for single stud construction and follow the same techniques.

STEP 1 – FOR RECTANGULAR WINDOWS

- A. Attach apron made of DuPont™ Tyvek® WRB under sill. Apron should extend at least 10" beyond sides of rough opening jambs (or to first stud in open stud construction), and far enough below the rough opening to overlap the sill plate or the DuPont™ Tyvek® WRB below. The top of the apron should be securely attached to wall and the bottom of apron should be left free to overlap later with DuPont™ Tyvek® WRB installation.

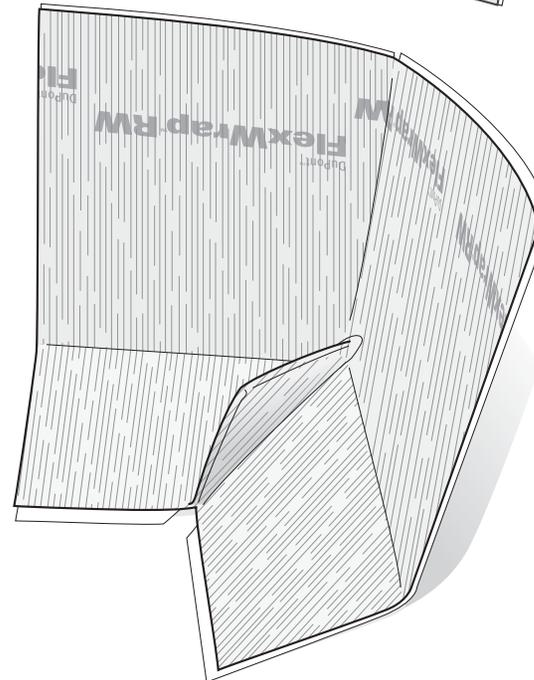
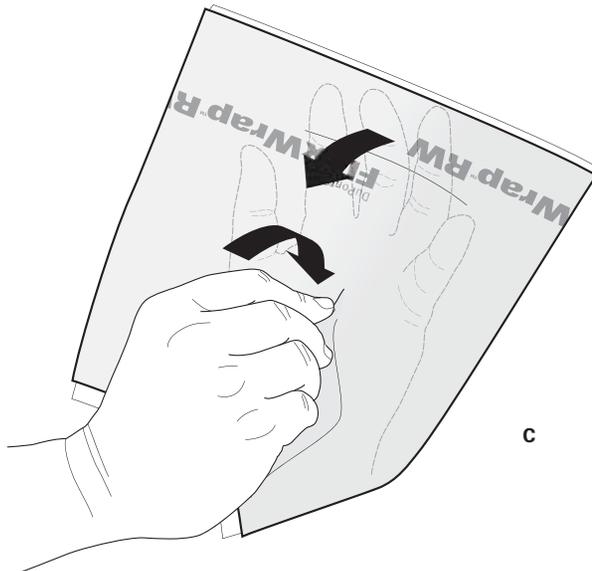
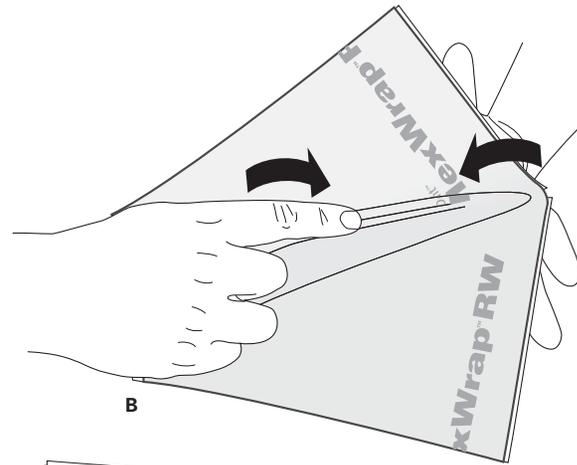
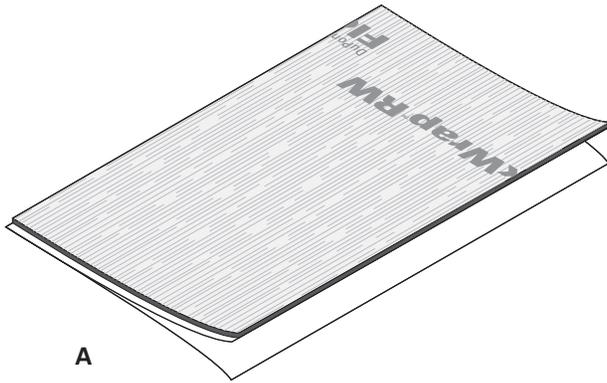


DuPont™ Flashing Systems Installation Guidelines

STEP 2

Make four corners for the recessed window:

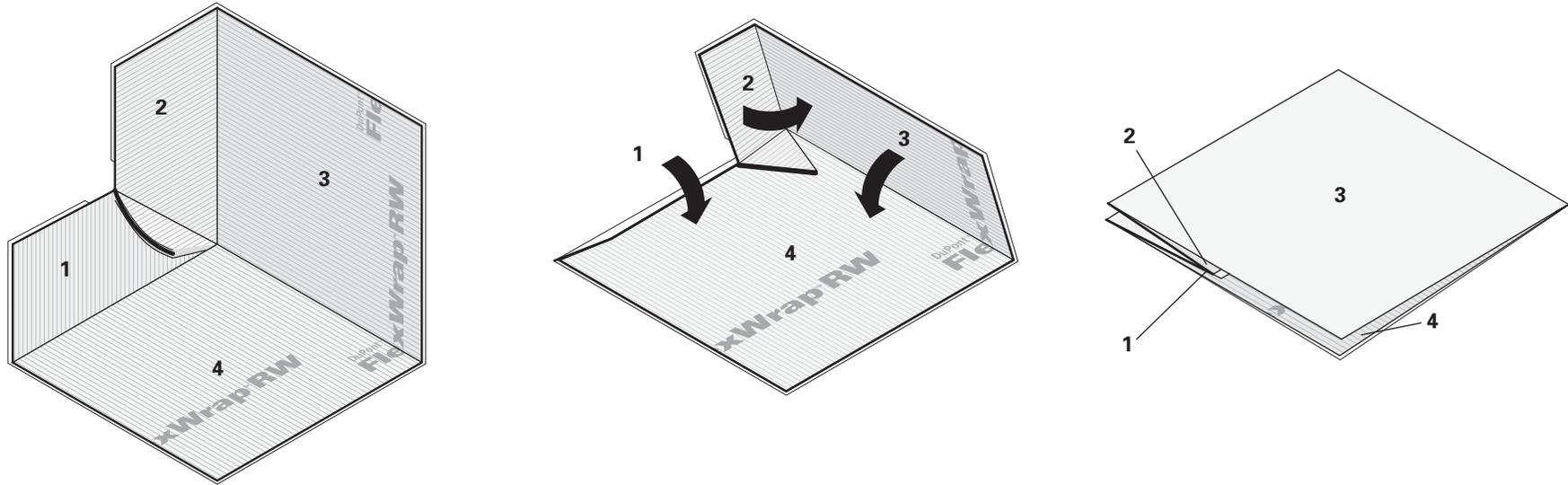
- Remove DuPont™ FlexWrap™ RW and hold the corner with the attached adhesive with the first and third finger.
- Place index finger on tip of upper edge of adhered butyl and pinch butyl triangle at the base with thumb and middle finger.
- Using the other hand, invert flashing to form a three-dimensional corner.
- Repeat three more times for three remaining corner pieces.



DuPont™ Flashing Systems Installation Guidelines

STEP 3

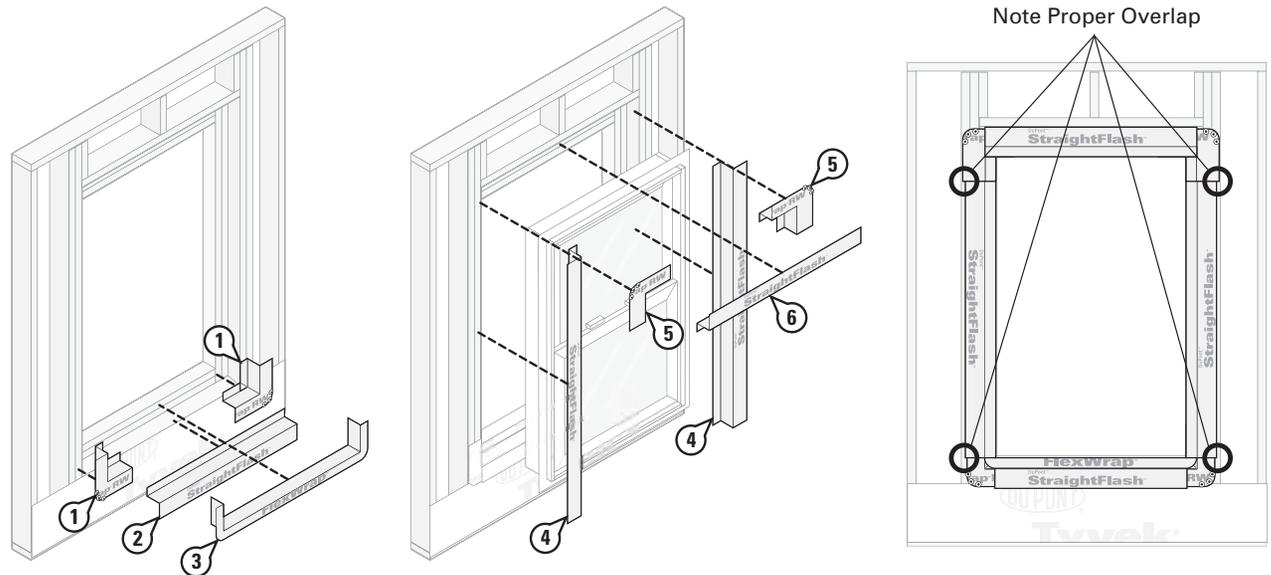
A. Once inverted, fold 1 and 2 towards the crease line and complete the folding process by folding section 3 onto 4.



CORRECT SHINGLING

CORRECT ORDER OF PRODUCT INSTALLATION

NOTE: Please refer to this diagram as you proceed for proper installation. An accepted variation to the schematic would be to install the DuPont™ StraightFlash™ at the sill and head before the respective corners (i.e., placing Step 2 before Step 1 and Step 6 before Step 5). **Any other sequence deviation from the above described process is incorrect.**



DuPont™ Flashing Systems Installation Guidelines

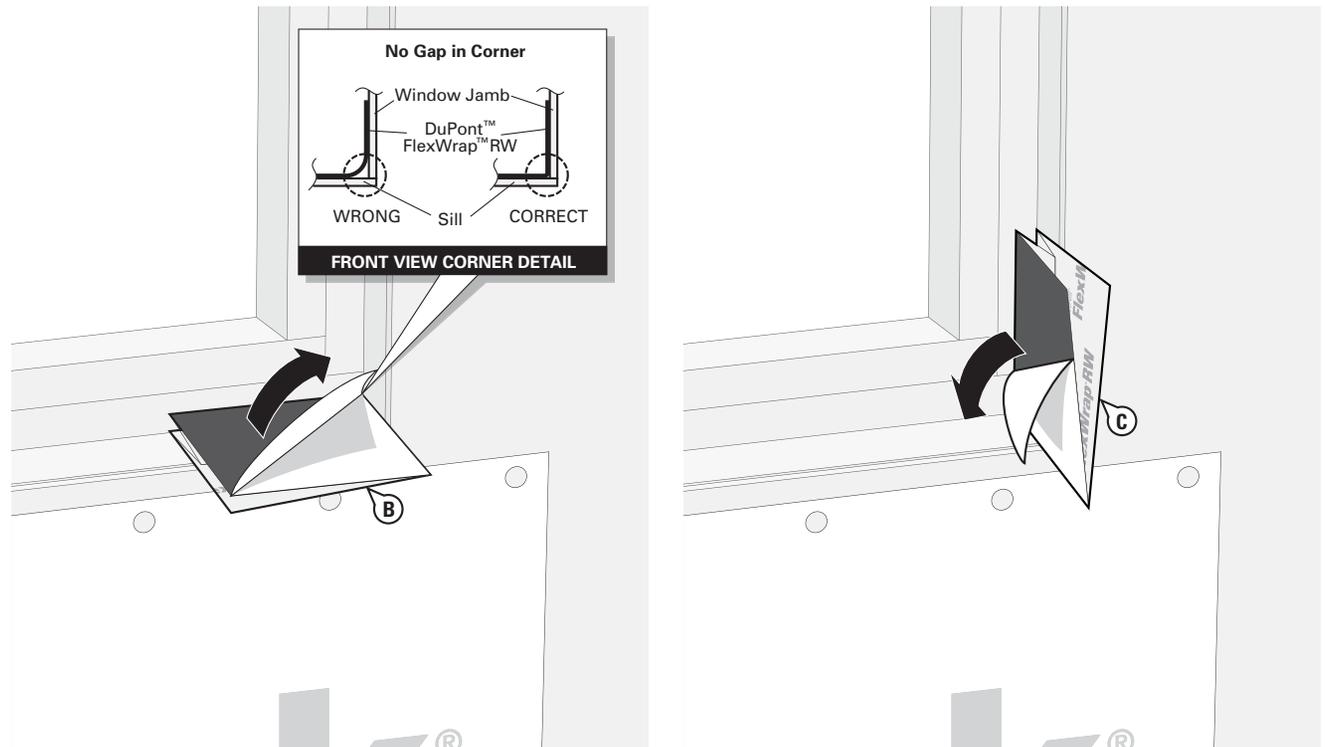
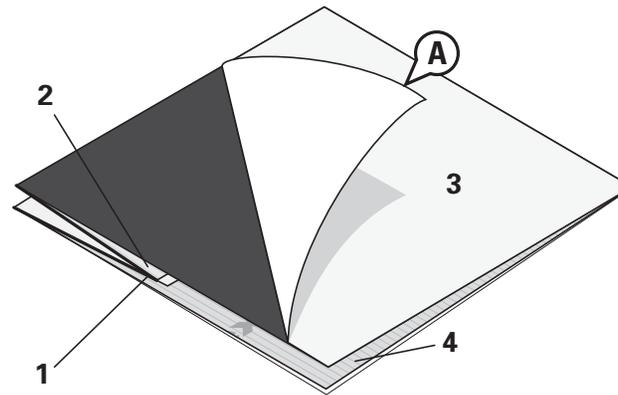
STEP 4

A. Remove release paper first from either side 3 or side 4 – but not both.

NOTE: Keeping the remaining release papers intact will keep the DuPont™ FlexWrap™ RW more rigid and help to maneuver the flashing into the corners.

B. Place prepared DuPont™ FlexWrap™ RW tightly into corner of outer sill. Once in place, lift exposed butyl and adhere to window jamb.

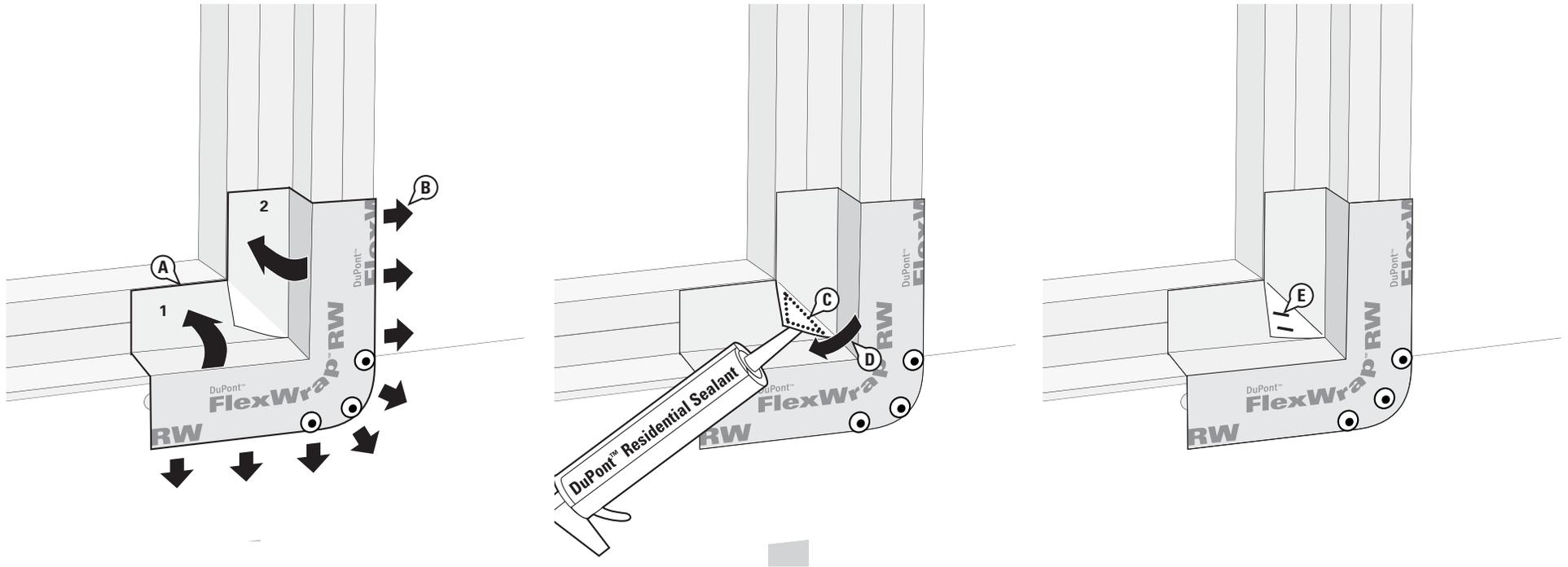
C. Lift the remaining side and remove second piece of release paper exposing butyl. Fold down and attach butyl to sill.



DuPont™ Flashing Systems Installation Guidelines

STEP 5

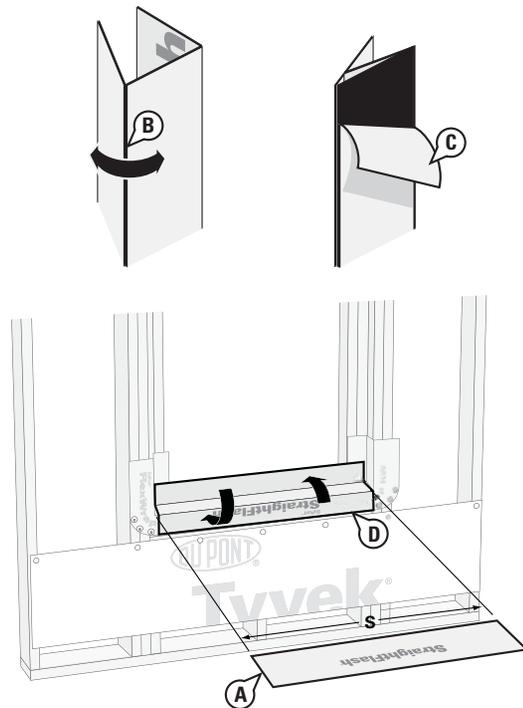
- A. Fold flaps 1 and 2 and remove both pieces of release paper. Adhere butyl to inner recessed sill plate.
- B. Fan out outer corners of the DuPont™ FlexWrap™ RW and tack corners on to the face of the wall in three places using recommended fasteners.
- C. Place a bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant inside the corner flap behind the loose triangular flap of the corner piece.
- D. Press down the loose triangular flap onto sealant in the corner piece.
- E. Staple down flap.



DuPont™ Flashing Systems Installation Guidelines

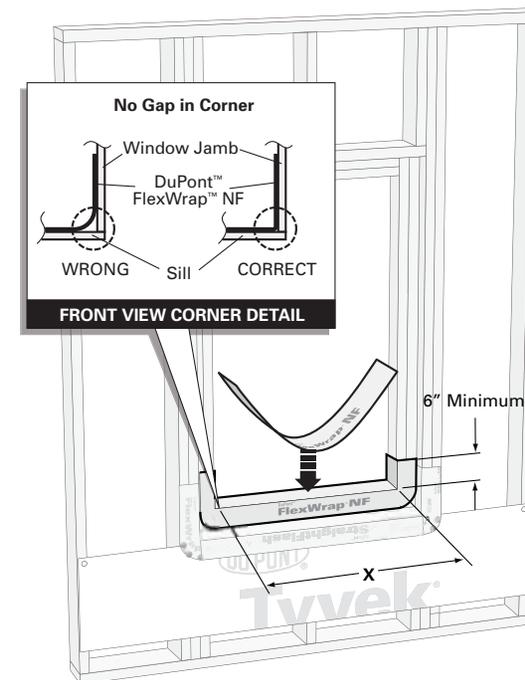
STEP 6

- Using 9" width DuPont™ StraightFlash™, cut the length of the flashing slightly **SHORTER** than the length of the outer sill (S).
- Break all the perforations on the release paper by folding the flashing. If some perforations do not break, apply pressure with fingers to the area on the opposite side to break the remaining perforations.
NOTE: Failure to break all perforations will result in tearing of the release paper during its removal thereby making the installation difficult.
- Fold in, remove center release paper and adhere to sill.
- Unfold remaining DuPont™ StraightFlash™, remove remaining pieces of release paper and adhere butyl adhesive side to face of recessed sill and to face of the DuPont™ Tyvek® WRB.



STEP 7

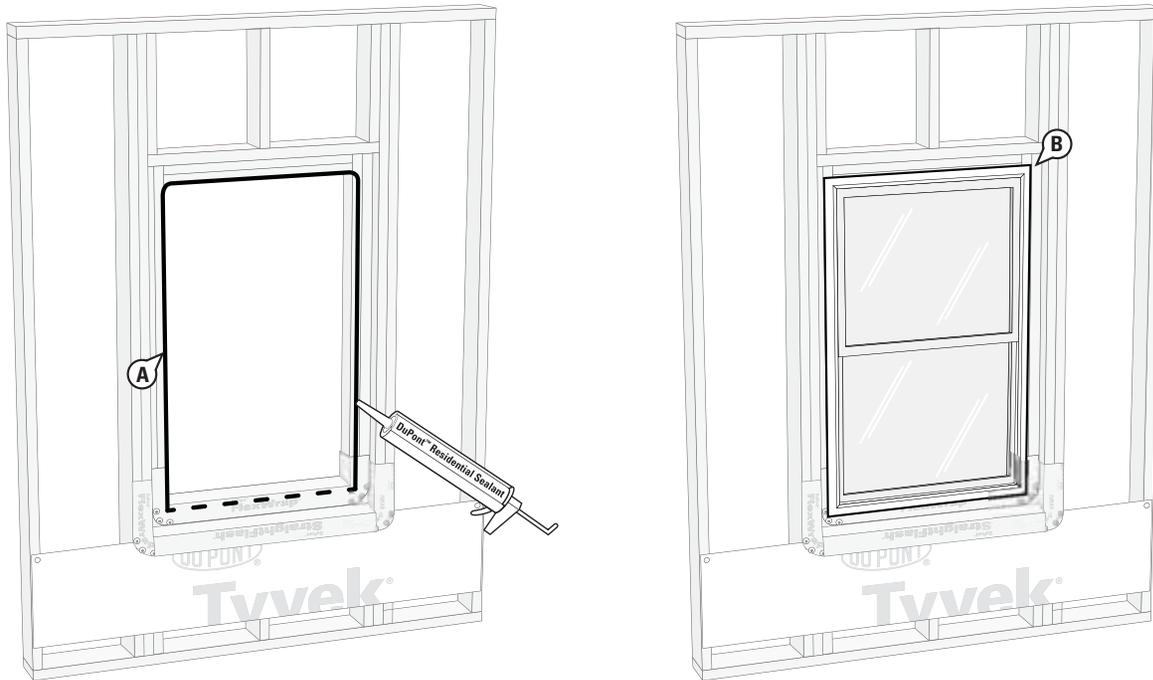
- Cut DuPont™ FlexWrap™ NF at least 12" **LONGER** than width of inner/recessed sill (X).
- Remove first piece of release paper. Cover horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6" on each side).
- Remove second release paper.
- Fan out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



DuPont™ Flashing Systems Installation Guidelines

STEP 8

- A. Apply DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant on three sides (jambs 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.
- B. Install window per manufacturer's instruction.



DuPont™ Flashing Systems Installation Guidelines

STEP 9

- A. Fold 9" DuPont™ StraightFlash™ to break all of the perforations on the release paper. If some perforations do not break, apply pressure with fingers to the area on the opposite side to break the remaining perforations.

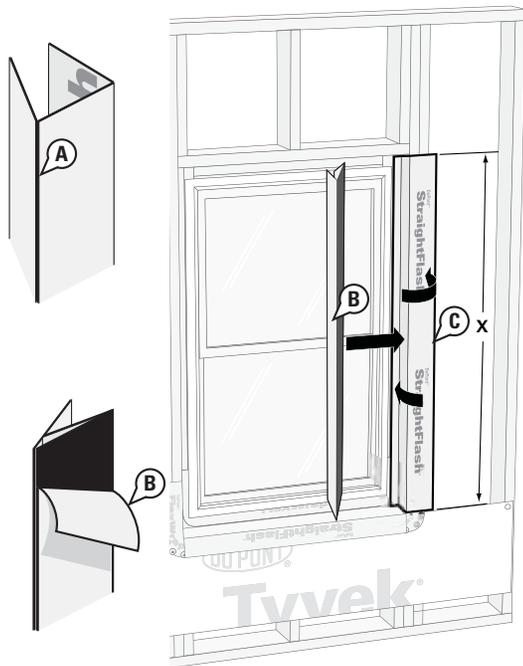
NOTE: Failure to break all perforations will result in tearing of the release paper during its removal making the installation difficult.

- B. Fold DuPont™ StraightFlash™ into three sections and remove only the center release paper. Place exposed butyl adhesive side onto the jamb.

NOTE: Keeping the remaining release papers intact will keep the DuPont™ FlexWrap™ RW more rigid and help to maneuver the flashing into the corners.

- C. Once the butyl is adhered to the rough opening of the jamb, the two remaining release papers can be removed and the flashing can be attached to the window flange and onto the face of the exterior sheathing.

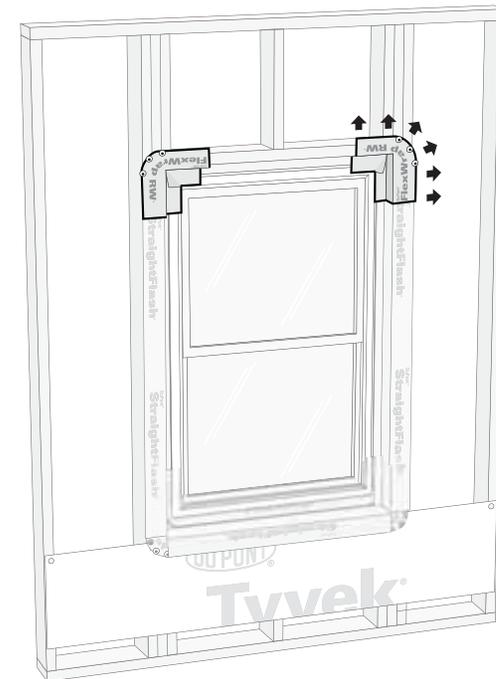
- D. Repeat on opposite jamb.



STEP 10

- A. Install DuPont™ FlexWrap™ RW on the upper corner of the window rough opening onto the window flanges in a similar manner used on lower corner pieces. (see Step 4)

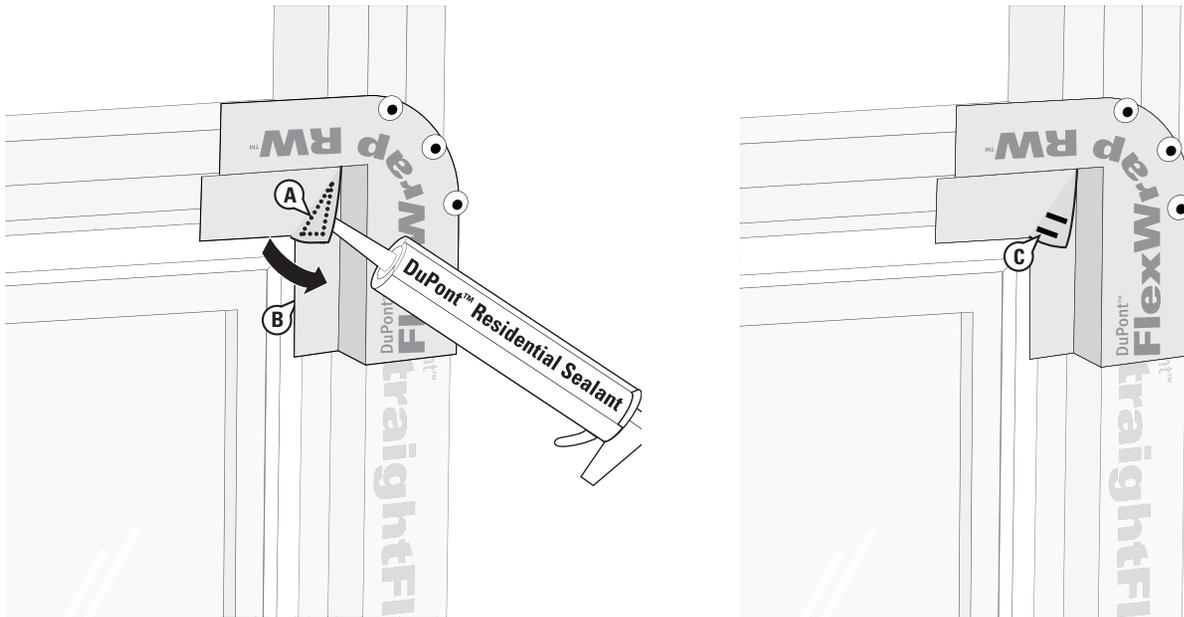
- B. Fan out outer corners of the DuPont™ FlexWrap™ RW and tack corners onto the face of the wall in three places using recommended fasteners.



DuPont™ Flashing Systems Installation Guidelines

STEP 11

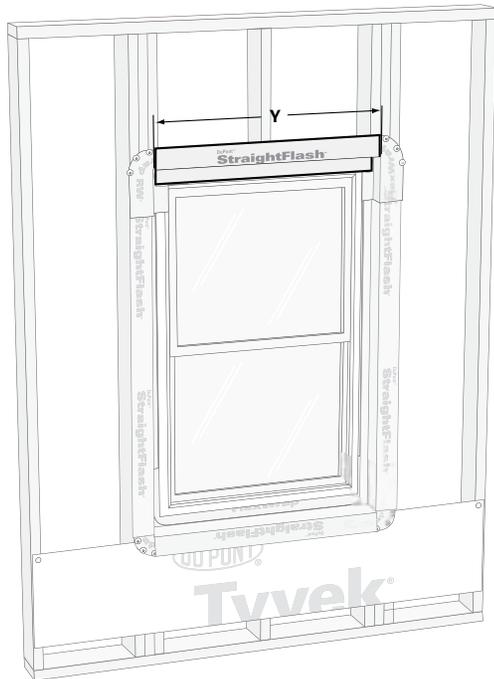
- A. Place a bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant on underside behind corner flap of loose triangular flap in corner.
- B. Press down loose triangle flaps onto the sealant in the corner piece.
- C. Staple down flap after applying the sealant behind flap.



DuPont™ Flashing Systems Installation Guidelines

STEP 12

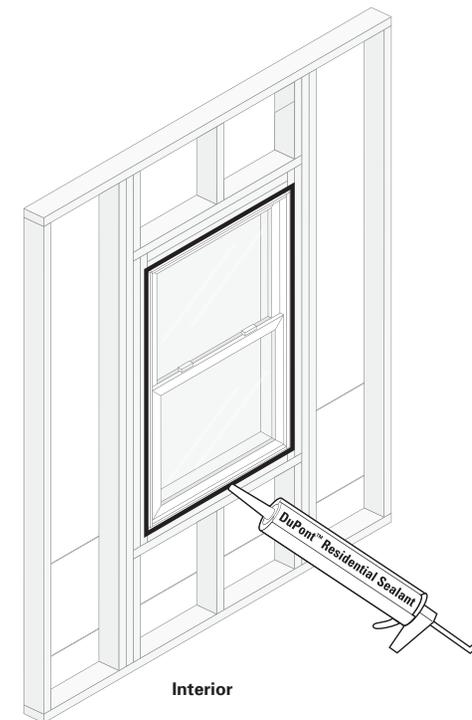
- A. Cut a piece of 9" width DuPont™ StraightFlash™ one inch (1") **SHORTER** than distance of "Y".
- B. Break perforation lines as described in jamb and sill instructions. (see Step 9)
- C. Remove the outer pieces of release paper.
- D. Place on window flange.
- E. Remove inner piece of release paper and adhere to the head.
- F. Remove last and outer piece of release paper and adhere to exterior sheathing.



STEP 13

Install DuPont™ Residential Sealant, DuPont™ Commercial 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 or DuPont™ Commercial 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.

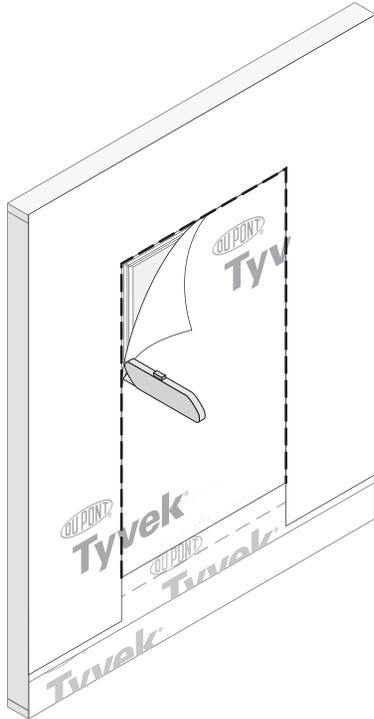


DuPont™ Flashing Systems Installation Guidelines

STEP 14

After installing the DuPont™ Tyvek® WRB, cut as shown to expose window and apron. (Refer to the DuPont™ Tyvek® Water-Resistive Barriers Installation Guidelines to install the DuPont™ Tyvek® WRB properly).

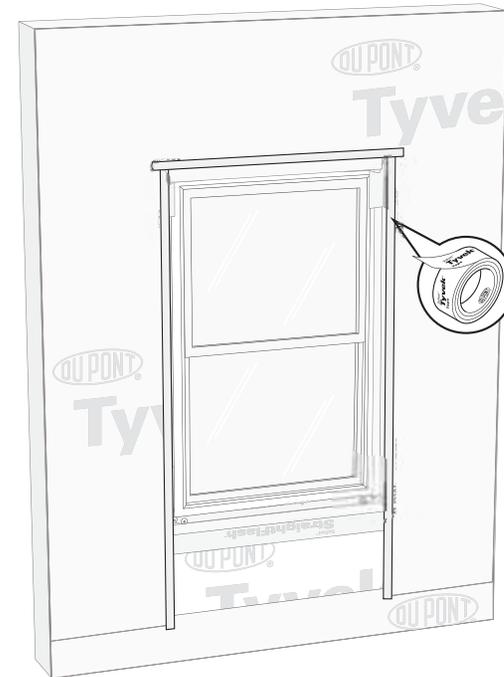
DO NOT CUT THROUGH DUPONT™ FLASHING SYSTEMS PRODUCTS OR APRON



STEP 15

Final Step

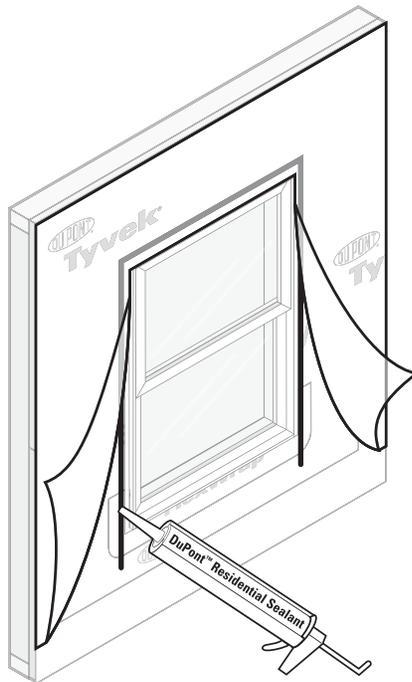
- A. Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
- B. Lap bottom of apron and the DuPont™ Tyvek® WRB over building materials below for proper shingling.



DuPont™ Flashing Systems Installation Guidelines

ALTERNATE TAPE DETAIL

Place a continuous bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant, or recommended sealant around the jamb and head flashing under the DuPont™ Tyvek® WRB. Press the DuPont™ Tyvek® WRB securely into the sealant.



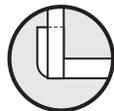
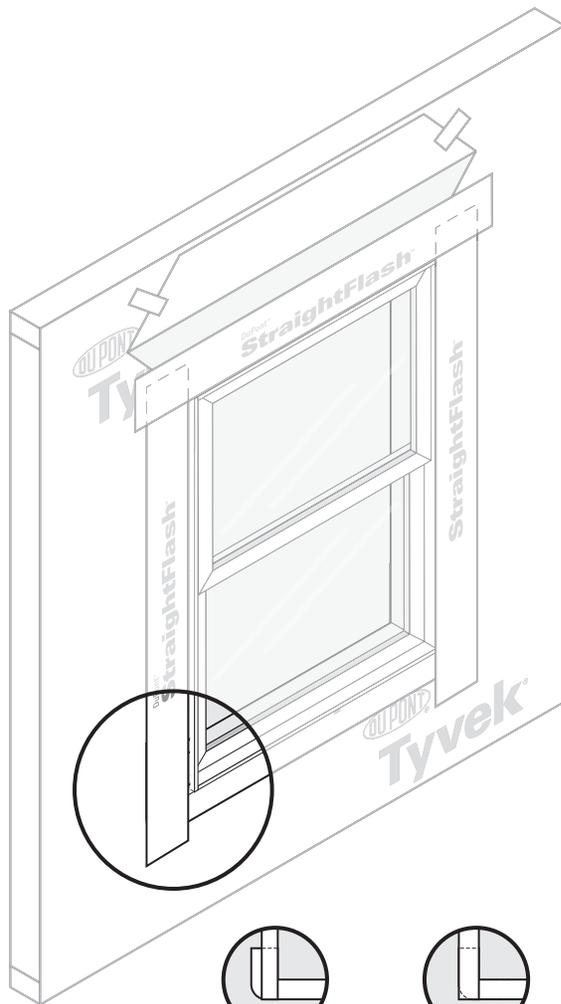
Key Installation Requirements for Drainable Window/Door Installation Under the Product and Labor Warranty

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

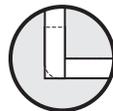
- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ Flashing Tape and DuPont™ FlexWrap™ NF self-adhered flashing meet the requirements of AAMA 711. Use proper installation to ensure nail sealability around the entire perimeter of the window/door and to protect critical window/door-wall interfaces. Metal sill pan flashing may be used, but must not replace flexible sill flashing.
- Ensure that sill flashing does not slope to the interior. An exterior slope is recommended, but not required.
- Direct water onto an acceptable weather barrier drainage plane with an unobstructed path (or to the exterior of the wall using through wall flashing). 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® water-resistive barrier in accordance with the instructional drawing. Self-adhered flashing must be applied with a minimum 2" lap onto the weather barrier.
- Review the sealant manufacturer's literature or sealant label that the sealants used have the chemical and adhesive properties necessary for use with DuPont™ Flashing Systems products.
- Ensure that DuPont™ Flashing Systems products are installed in temperatures above 25°F (-4°C). Ensure the sealant materials meet the installation temperature requirements of the sealant manufacturer.
- Properly prepare all surfaces (remove dirt, dust, or moisture, *etc.*) per manufacturer's recommendations.
- Use primer for loosely bonded surfaces (*i.e.*, fiberboard) or cold installations per manufacturer's recommendations.
- Barrier installations (full perimeter seal on exterior) are acceptable only in the following instances:
 - Slab on grade doors, store front windows, or other systems with built in drainage mechanisms that have potential for exposure to standing water
 - Surface barrier wall systems with non-water sensitive framing material (*i.e.*, CMU walls)
 - Very low wind/rain exposure regions (southwest/desert) that follow AAMA 2400 installation standard
- Ensure that window/door and flashing system design takes into account common factors that will impact performance:
 - 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
 - Other considerations: UV exposure prior to the construction of the exterior facade, Flammability
- Field testing the window/door and wall installation as a complete system is a recommended best practice.
- Use of trained installers is highly recommended.

DuPont™ Flashing Systems Installation Guidelines

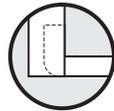
Proper overlap for water management



INCORRECT
DuPont™
FlexWrap™ NF
reverse flashed



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



CORRECT
DuPont™ StraightFlash™
overlaps DuPont™
FlexWrap™ NF

NOTE: A condition of the DuPont 10 year Limited Warranty is compliance with the Installation Guidelines for DuPont Weatherization Products. In the event that a specific detail or installation technique is not part of the Installation Guidelines at the time that you are building, then the Key Installation Principles outlined in this document should be followed. Please contact DuPont with any questions regarding these Installation Guidelines.

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 9 months (270 days) of installation and that all other DuPont™ Tyvek® WRB's be covered within 4 months (120 days) of installation.

DuPont™ Flashing Systems 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™ Flashing Systems products be covered within four months (120 days) of installation.

Warning

DuPont™ Tyvek® Water-Resistive Barriers are slippery and should not be used in any application where it will be walked on. In addition, because they are slippery, DuPont recommends using kickjacks or scaffolding 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 a flame and other high heat sources. DuPont™ Tyvek® products will melt at 275°F (135°C); if the temperature of DuPont™ Tyvek® products 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™ Flashing Systems products and their release paper are slippery and should not be walked on. Remove release paper from work area immediately. DuPont™ Flashing Systems products will melt at temperatures greater than 250°F (121°C). DuPont™ Flashing Systems products are combustible and should be protected from flames and other high heat sources. DuPont™ Flashing Systems 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 and DuPont™ Commercial Sealant are 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™ Flashing Systems 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® products. Use of additives, coatings or cleansers on or in the facade system may impact the performance of DuPont™ Tyvek® water-resistive barriers. DuPont™ Tyvek® Weatherization Systems products are to be used as outlined in this installation guideline. DuPont™ Flashing Systems products should only be used to seal penetrations and flash openings in houses or buildings. DuPont™ Flashing Systems products are not to be used in roofing applications. For superior protection against bulk water penetration, DuPont suggests a system combining a quality exterior facade, a good secondary weather barrier and exterior sheathing, high quality windows and doors, and appropriate flashing materials paying attention to proper installation of each component. In a system where no exterior sheathing is used and DuPont™ Tyvek® WRB is 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. This 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 on each project.

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



Tyvek.