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

DuPont™ Flashing Systems
Installation Guidelines

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

FOR BUILDINGS LESS THAN 5 STORIES

REVISION 10/11
Applicable Products

Flashing Products

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DIMENSIONS</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>DuPont™ FlexWrap™ NF*</td>
<td>6 in x 75 ft</td>
<td>37.50 sq ft</td>
</tr>
<tr>
<td>DuPont™ FlexWrap™*</td>
<td>9 in x 75 ft</td>
<td>56.20 sq ft</td>
</tr>
<tr>
<td>DuPont™ StraightFlash™</td>
<td>4 in x 150 ft</td>
<td>50 sq ft</td>
</tr>
<tr>
<td>DuPont™ StraightFlash™ VF</td>
<td>6 in x 125 ft</td>
<td>62.5 sq ft</td>
</tr>
<tr>
<td>DuPont™ Flashing Tape</td>
<td>4 in x 100 ft</td>
<td>33.33 sq ft</td>
</tr>
<tr>
<td>DuPont™ FlexWrap™ RW for Single Stud Application</td>
<td>9 in x 6 in</td>
<td>0.38 sq ft</td>
</tr>
</tbody>
</table>

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*

<table>
<thead>
<tr>
<th>MANUFACTURER</th>
<th>PRODUCT NAME</th>
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</thead>
<tbody>
<tr>
<td>3M</td>
<td>Hi-Strength 90</td>
</tr>
<tr>
<td>Denso</td>
<td>Butyl Primer (spray or can)</td>
</tr>
</tbody>
</table>

* 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 Foam

<table>
<thead>
<tr>
<th>MANUFACTURER</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>DuPont</td>
<td>DuPont™ Window &amp; Door Foam</td>
</tr>
</tbody>
</table>

DuPont Recommended Fasteners*

<table>
<thead>
<tr>
<th>MANUFACTURER</th>
<th>PRODUCT NAME</th>
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<tbody>
<tr>
<td>DuPont</td>
<td>DuPont™ Tyvek® Wrap Cap nails</td>
</tr>
<tr>
<td>DuPont</td>
<td>DuPont™ Tyvek® Wrap Cap screws</td>
</tr>
<tr>
<td>DuPont</td>
<td>DuPont™ Tyvek® Wrap Cap staples (for Stinger® or Crossfire® cap stapler)**</td>
</tr>
</tbody>
</table>

* 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 and other non-nail-base sheathings.

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 Weather Resistant 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.

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.

Warranty

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 AFTER Water-Resistive Barrier (WRB) is Installed

Method applies to the following products:
- DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

**STEP 1**
Prepare the DuPont™ Tyvek® WRB for window installation:

A. Make an “I-Cut” (Standard I-Cut) in the DuPont™ Tyvek® WRB (modified I-Cut is also accepted). For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the window frame (for round top windows, the cut should begin above the mull joint). From the center, cut straight down to the sill.

B. Cut two 45 degree slits a minimum of 8” extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation (see step 4). Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

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

C. Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.
DuPont™ Flashing Systems Installation Guidelines

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

FOR RECTANGULAR WINDOWS

STEP 4
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, long enough to extend beyond outer edges of jamb flashings. Remove release paper and install completely covering flange and adhering to exposed sheathing or framing members.

NOTE: Ensure proper shingling. DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF, or DuPont™ Flashing Tape at jambs must overlap the DuPont™ FlexWrap™ NF at the sill and adhere to the DuPont™ Tyvek® WRB below the sill.
STEP 5  
A. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.  
B. 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.  
C. Tape down diagonal seams of DuPont™ Tyvek® WRB.

STEP 6  
**Final Step**  
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.
**FOR ROUNDTOP WINDOWS**

**STEP 4**

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

Install head flashing

A. Cut DuPont™ FlexWrap NF™ head flashing at least 12” **LONGER** than the arc length (H) of round-top 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**

A. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.

B. Tape seams as shown. **DO NOT TAPE** at bottom of window. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.

**STEP 6**

Final Step

Install DuPont™ Residential Sealant, 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.
Integral Flanged Door AFTER Water-Resistive Barrier (WRB) is Installed

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**
Prepare DuPont™ Tyvek® WRB for door installation:

A. Make an “I-Cut” (Standard I-Cut) in the WRB. For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the door frame. From the center, cut straight down to the sill.

B. Cut two 45 degree slits a minimum of 8” extending from the corner of the door head up and away from door opening from the corner of the header, to create a flap above the rough opening to expose sheathing or framing members, to allow head flashing installation (see step 8). **NOTE:** Some doors and flashing widths may require longer slits.

C. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

D. Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.
STEP 2
Preparation of sill flashing:
A. Cut DuPont™ FlexWrap™ NF at least 12” **LONGER** than width of the sill (S).
B. 9” DuPont™ FlexWrap™ NF has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
C. Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.

STEP 3
A. Install the sill flashing as indicated leaving the 1” of 9” 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 accomodate a back dam. In that case, fold the 1” back dam on top of 9” DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of the 1” fold to create a back dam.
**STEP 4**
Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2” to 3” onto the face of the wall.

**STEP 5**
Apply DuPont™ Residential Sealant, 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 6 (OPTIONAL)**

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

A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1” wider than the width of door opening and approximately 10” in depth.

B. Cut a 4” piece of DuPont™ StraightFlash™ or DuPont™ Flashing Tape to the same width as the skirt. Remove two pieces of release paper and adhere to the DuPont™ Tyvek® WRB.

C. Remove the last piece of release paper and attach the skirt to the underside of the door. This skirt may be made with DuPont™ StraightFlash™, DuPont™ Flashing Tape, or DuPont™ StraightFlash™ VF.
STEP 7
A. OPTIONAL: Adhere high pressure skirt to the bottom threshold of the door.
B. Install door according to manufacturer's instructions.
C. Cut two pieces of DuPont™ StraightFlash™, or DuPont™ FlexWrap™ NF, or DuPont™ Flashing Tape for jamb flashing extending 1” above door head flange and below bottom edge of sill flashing. Remove release paper and press tightly along sides of door frame.
D. Cut a piece of DuPont™ StraightFlash™, or DuPont™ FlexWrap™ NF, or DuPont™ Flashing Tape for head flashing, which extends beyond outer edges of jamb flashings. Remove release paper and install completely covering mounting flange and adhering to exposed sheathing or framing members (see D).

NOTE: Ensure proper shingling. DuPont™ StraightFlash™ or DuPont™ Flashing Tape must overlap DuPont™ FlexWrap™ NF and adhere to the DuPont™ Tyvek® WRB.
**STEP 8**

A. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.

B. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired. **DO NOT TAPE** at bottom of door.

C. Tape down diagonal seams of DuPont™ Tyvek® WRB.

**STEP 9**

Final Step

A. OPTIONAL: When the interior flooring is ready to install, remove release paper and use Folding Option One or Two (shown below) to form back dam.

B. 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.
Brick Mold Window AFTER 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**
Prepare DuPont™ Tyvek® WRB for window installation:

A. Make an “I-Cut” (Standard I-Cut) in the DuPont™ Tyvek® WRB (modified I-Cut is also accepted). For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the window frame. From the center, cut straight down to the sill.

B. Cut two 45 degree slits a minimum of 8” extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

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

C. Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.
STEP 2
A. Cut DuPont™ FlexWrap™ NF at least 12” **LONGER** than width of rough opening sill (S).
B. Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6” on each side).
C. Remove second release paper.
D. Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2” to 3” onto the face of the wall.
STEP 3
A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches LONGER than the head length.
B. Break the scored release paper on one side of the head flashing by folding it back and forth upon itself.
C. Center the DuPont™ StraightFlash™ VF on the window head and position so that it contacts the window frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.
D. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
E. Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle.
F. Fold the newly created flashing flap down flat against the brick mold or flange.
G. Fold remaining head flashing flaps down and adhere to the jamb frame.
STEP 4
A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches LONGER than the jamb.
B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
C. Position so that the DuPont™ StraightFlash™ VF contacts the window frame and interior side of the brick mold or flange. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one-inch.**
D. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.
E. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
F. Repeat on opposite jamb.
**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 this procedure at the junction of the sill and jamb.

B. Fold cut jamb, sill and head corners flashing parallel to the window frame so that the jamb flashing lies flat.

C. Fold the newly created 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 two (2) 2” gaps in the sealant bead for every 4' of window to allow for drainage using DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant as shown below.

B. Install the window per manufacturer's instructions.

C. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.

D. Remove the release paper at the head and adhere it to the wall surface.

**NOTE:** Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ NF and adhere to the substrate.
**DuPont™ Flashing Systems Installation Guidelines**

**STEP 7**

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

B. **OPTIONAL:** Cut a piece of metal or vinyl drip cap slightly **LONGER** than the width of the window and place a bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant on the rear side. Install the drip cap tight against the window head and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.

C. Flip down upper flap of the DuPont™ Tyvek® WRB so it lays flat across head flashing.

D. 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.

E. Tape down diagonal seams of DuPont™ Tyvek® WRB.

**STEP 8**

Final Step

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

This installation guide is intended for doors installed above grade and/or with wood floor construction. Method applies to the following products:
- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ FlexWrap™ NF, and DuPont™ Flashing Tape

**STEP 1**
Prepare the DuPont™ Tyvek® WRB for door installation:

A. Make an “I-Cut” (Standard I-Cut) in the DuPont™ Tyvek® WRB. For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the door frame. From the center, cut straight down to the sill.

B. Cut two 45 degree slits a minimum of 8” extending from the corner of the door head, up and away from door opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation (see step 8).
   **NOTE:** Some doors and flashing widths may require longer slits.

C. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

D. Fold side flaps into rough opening, and secure to inside wall framing. Cut off excess flaps if desired.
STEP 2
Preparation of sill flashing:
A. Cut DuPont™ FlexWrap™ NF at least 12” LONGER than width of the sill (S).
B. 9” DuPont™ FlexWrap™ NF has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
C. Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.
STEP 3 (OPTIONAL BACK DAM)
Install the sill flashing as indicated leaving the 1” of 9” DuPont™ FlexWrap™ NF with release paper extending it past the door threshold on the inside. When the 1” of release paper is removed, 3/4” of flashing will be available 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 the 9” DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of 1” fold to create a back dam.
STEP 4
Fan DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2” to 3” onto the face of the wall.
STEP 5 (OPTIONAL)
For extreme weather conditions, performance requirements exceeding ASTM E1677, or window/door design ratings of DP45 or greater, see General Instructions.

A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door threshold opening and approximately 10" in height.

B. Cut a 4" piece of DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™ to the same width as the skirt. Remove two pieces of release paper and adhere to the DuPont™ Tyvek® WRB.

C. Remove the last pieces of release paper and attach the skirt to the underside of the door threshold. This skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.
FOR BRICK MOLD

STEP 6
A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches LONGER than the head length.
B. Break the scored release paper on one edge of the head flashing by folding it back and forth upon itself.
C. Center the DuPont™ StraightFlash™ VF along the length of the door head and position so that it contacts the door frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.
D. Remove the inner release paper strip and adhere the flashing to the back of the brick mold or flange.
E. Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle.
F. Fold the newly created flashing flap down flat against the brick mold or flange.
G. Fold remaining head flashing flaps down onto the jamb frame.
STEP 7
A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches longer than the jamb.
B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
C. Position so that the DuPont™ StraightFlash™ VF contacts the door frame and interior side of the brick mold. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. Jamb flashing adhesive must come in contact with head flashing adhesive by one inch.
D. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.
E. Remove the inner release paper and adhere the flashing to the back of the brick mold.
F. Repeat on for opposite jamb.

STEP 8
A. Beginning at the junction of the jamb and head and beginning at the junction of the jamb and sill, and away from the corner, cut the DuPont™ StraightFlash™ VF along both corners at a 45° angle.
B. Fold newly created flaps down flat against the head flashing.
C. Fold newly created flaps down onto the head and sill of door frame.
STEP 9
A. Install door according to manufacturer's installation instructions.
B. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.
C. Remove the release paper at the head and adhere it to the wall surface.
D. OPTIONAL: Cover exposed butyl with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
**STEP 10 (OPTIONAL) - HIGH PRESSURE SKIRT (Completing installation of flashing for brick mold door)**

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

A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door opening and approximately 10" in height.

B. Cut a piece of DuPont™ StraightFlash™ VF to the same width of skirt. Remove release paper from one side of DuPont™ StraightFlash™ VF and adhere to DuPont™ Tyvek® WRB. The skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.

C. Remove the release paper from the other side of DuPont™ StraightFlash™ VF and adhere the butyl adhesive at the sill skirt to the underside of the door threshold behind the jamb flashing.

D. Secure edges of the optional skirt with two 4" pieces of DuPont™ StraightFlash™.

E. Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.

F. If sealant is applied to the threshold, ensure that there are at least two (2) 2" gaps in the sealant bead to allow for drainage for every 4' of door using DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant.
STEP 11 (RECOMMENDED BEST PRACTICE)

A. OPTIONAL: Cut a piece of metal or vinyl drip cap 1/8” **LONGER** than the width of the door and bend down edges. Place a bead of DuPont™ Residential Sealant, 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.

B. Flip down upper flap of the DuPont™ Tyvek® WRB so it lays flat across head flashing.

C. Tape seams as shown. **DO NOT TAPE** at bottom of door. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape; if an air barrier is not required or if additional drainage is desired. Skip-taping at the head is acceptable.

D. Tape down diagonal seams of DuPont™ Tyvek® WRB.

STEP 12

Final Step

A. When the interior flooring is ready to install, remove release paper and use Folding Option One or Two to form back dam.

B. Install DuPont™ Residential Sealant, DuPont™ 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.
Field Applied Flanged Window AFTER Water-Resistant Barrier (WRB) Is Installed

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

Method applies to the following products:
- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ FlexWrap™ NF, and DuPont™ Flashing Tape

STEP 1
Prepare the DuPont™ Tyvek® WRB for window installation:

A. Make an “I-Cut” (Standard I-Cut) in the DuPont™ Tyvek® WRB (modified I-Cut is also accepted). For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the window frame. From the center, cut straight down to the sill.

B. Cut two 45 degree slits a minimum of 8” extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

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

C. Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.
STEP 2
A. Apply field applied flanges in the correct shingling fashion per manufacturer’s installation instructions. **DO NOT REVERSE SHINGLE.**
B. Cut 3” x 3” piece of DuPont™ FlexWrap™ NF.
C. Apply DuPont™ FlexWrap™ NF patches to back of flange corners before applying DuPont™ StraightFlash™ VF.
D. Staple patches in corners and secure to wooden head and jambs.
STEP 3
A. Cut DuPont™ FlexWrap™ NF at least 12” LONGER than width of rough opening sill (S).
B. Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6” on each side).
C. Remove second release paper.
D. Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2” to 3” onto the face of the wall.
STEP 4

A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches LONGER than the head length.

B. Break the scored release paper on one side of the head flashing by folding it back and forth upon itself.

C. Center the DuPont™ StraightFlash™ VF on the window head and position so that it contacts the window frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.

D. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.

E. Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle.

F. Fold the newly created flashing flap down flat against the brick mold or flange.

G. Fold remaining head flashing flaps down onto the jamb frame.
STEP 5
A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches LONGER than the jamb.
B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.
C. Position so that DuPont™ StraightFlash™ VF contacts the window frame and interior side of the brick mold or flange. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one inch.**
D. Remove the outer release paper and adhere the flashing to the window frame. Use the inner release paper to form a tight seal in the corner.
E. Remove the inner release paper and adhere the flashing to the back of the brick mold or flange.
F. Repeat on opposite jamb.
STEP 6
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 this procedure at the junction of the sill and jamb.
B. Fold cut jamb, sill and head corners flashing parallel to the window frame so that the jamb flashing lies flat.
C. Fold the remaining flaps down at corner and adhere to the window frame.

STEP 7
A. If sealant is applied to the sill, ensure that there are two (2) 2” gaps in the sealant bead for every 4’ of window to allow for drainage using DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant as shown below.
B. Install the window per manufacturer’s instructions.
C. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.
D. Remove the release paper at the head and adhere it to the wall surface.

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

**STEP 8**

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

B. **OPTIONAL:** Cut a piece of metal or vinyl drip cap slightly **LONGER** than the width of the window and place a bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant on the rear side. Install the drip cap tight against the window head and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.

C. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.

D. 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.

E. Tape down diagonal seams of DuPont™ Tyvek® WRB.

**STEP 9**

Final Step

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

This installation guide is intended for doors installed above grade and/or with wood floor construction. Method applies to the following products:

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

**STEP 1**

Prepare the DuPont™ Tyvek® WRB for door installation:

A. Make an “I-Cut” (Standard I-Cut) in the DuPont™ Tyvek® WRB. For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the door frame. From the center, cut straight down to the sill.

B. Cut two 45 degree slits a minimum of 8” extending from the corner of the door head, up and away from door opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation (see step 8).

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

C. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

D. Fold side flaps into rough opening, and secure to inside wall framing. Cut off excess flaps if desired.
STEP 2
Preparation of sill flashing:
A. Cut DuPont™ FlexWrap™ NF at least 12’’ LONGER than width of the sill (S).
B. 9” DuPont™ FlexWrap™ NF has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
C. Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.
**STEP 3 (OPTIONAL BACK DAM)**

Install the sill flashing as indicated leaving the 1” of 9” DuPont™ FlexWrap™ NF with release paper extending it past the door threshold on the inside. When the 1” of release paper is removed, 3/4” of flashing will be available 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 9” DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of 1” fold to create a back dam.
STEP 4
Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2” to 3” onto the face of the wall.
**STEP 5 (OPTIONAL)**

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

A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1” wider than the width of door threshold opening and approximately 10” in height.

B. Cut a 4” piece of DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™ to the same width as the skirt. Remove two pieces of release paper and adhere to the DuPont™ Tyvek® WRB.

C. Remove the last pieces of release paper and attach the skirt to the underside of the door threshold. This skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.
FOR FIELD APPLIED FLANGED DOORS ONLY

STEP 6

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

A. Apply field applied flanges in the correct shingling fashion as per manufacturer’s installation instructions. **DO NOT REVERSE SHINGLE.**

B. Cut four 3” x 3” pieces of DuPont™ FlexWrap™ NF.

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

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

E. Once corner patches are installed complete door installation starting at Step 7. Continue with Step 7 on next page.
FOR FIELD APPLIED FLANGED DOORS

STEP 7
A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches LONGER than the head length.

B. Break the scored release paper on one edge of the head flashing by folding it back and forth upon itself.

C. Center the DuPont™ StraightFlash™ VF along the length of the door head and position so that it contacts the door frame and interior side of the brick mold or flange. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.

D. Remove the inner release paper strip and adhere the flashing to the back of the brick mold or flange.

E. Beginning at the junction of the jamb and head, and away from the corner, cut the DuPont™ StraightFlash™ VF at a 45° angle.

F. Fold the newly created flashing flaps down flat against the brick mold or flange.

G. Fold remaining head flashing flaps down onto the jamb frame.
**STEP 8**

A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches **LONGER** than the jamb.

B. Break the scored release paper on one side of the jamb flashing by folding it back and forth upon itself.

C. Position so that the DuPont™ StraightFlash™ VF contacts the door frame and interior side of the flange. Ensure that the jamb flashing is positioned 1-1/2 inch below the top edge of the head flashing. **Jamb flashing adhesive must come in contact with head flashing adhesive by one inch.**

D. Remove the outer release paper and adhere the flashing to the door frame. Use the inner release paper to form a tight seal in the corner.

E. Remove the inner release paper and adhere the flashing to the back of the flange.

F. Repeat on opposite jamb.

**STEP 9**

A. Beginning at the junction of the jamb and head and beginning at the junction of the jamb and sill, and away from the corner, cut the DuPont™ StraightFlash™ VF along both corners at a 45° angle.

B. Fold newly created flaps down flat against the head flashing.

C. Fold newly created flaps down onto the head and sill of door frame.
**STEP 10**

A. If sealant is applied to the threshold, ensure that there are two (2) 2" gaps in the sealant bead for every 4' of door to allow for drainage using DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant as shown below.

B. Install door according to manufacturer's installation instructions.

C. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.

D. Remove the release paper at the head and adhere it to the wall surface.

E. OPTIONAL: Cover exposed butyl with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.
STEP 11 (OPTIONAL) - HIGH PRESSURE SKIRT (Completing installation of flashing for field applied flange door)

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

A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1" wider than the width of door opening and approximately 10" in height.

B. Cut a piece of DuPont™ StraightFlash™ VF to the same width of skirt. Remove release paper from one side of DuPont™ StraightFlash™ VF and adhere to DuPont™ Tyvek® WRB. The skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.

C. Remove the release paper from the other side of DuPont™ StraightFlash™ VF and adhere the butyl adhesive at the sill skirt to the underside of the door threshold behind the jamb flashing.

D. Secure edges of the optional skirt with two 4” pieces of DuPont™ StraightFlash™.

E. Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.

F. If sealant is applied to the threshold, ensure that there are two (2) 2” gaps in the sealant bead for every 4’ of door to allow for drainage using DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant as shown below.
STEP 12 (RECOMMENDED BEST PRACTICE)
A. OPTIONAL: Cut a piece of metal or vinyl drip cap 1/8” LONGER than the width of the door and bend down edges. Place a bead of DuPont™ Residential Sealant, 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.
B. Flip down upper flap of the DuPont™ Tyvek® WRB so it lays flat across head flashing.
C. Tape seams as shown. DO NOT TAPE at bottom of door. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
D. Tape down diagonal seams of DuPont™ Tyvek® WRB.

STEP 13
Final Step
A. When the interior flooring is ready to install, remove release paper and use Folding Option One or Two to form back dam.
B. Install DuPont™ Residential Sealant, 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.
Non-Flanged Window AFTER Water-Resistive Barrier (WRB) Is Installed

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

Method applies to the following products:
- DuPont™ StraightFlash™, DuPont™ StraightFlash™ VF, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

**STEP 1**

Prepare the DuPont™ Tyvek® WRB for window installation:

A. Make an “I-Cut” (Standard I-Cut) in the DuPont™ Tyvek® WRB (modified I-Cut is also accepted). For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the window frame. From the center, cut straight down to the sill.

B. Cut two 45 degree slits a minimum of 8” extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

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

C. Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.
**STEP 2**

A. Cut DuPont™ FlexWrap™ NF at least 12” **LONGER** than width of rough opening sill (S).

B. Remove first piece of release paper, cover horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6” on each side).

C. Remove second release paper.

D. Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2” to 3” onto the face of the wall.
**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. Remove the release paper from one side of DuPont™ StraightFlash™ VF.

C. Center the flashing 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 in the flashing at each end away from the header.

E. Fold the flashing down flat in the vertical direction parallel to the window frame.

F. Fold newly created flaps down to the jamb and adhere to the frame.

**STEP 4**

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 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.
**STEP 5**

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.

E. Complete installation starting at Step 6.

**STEP 6**

A. If sealant is applied to the sill, ensure that there are two (2) 2” gaps in the sealant bead for every 4’ of window to allow for drainage using DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant as shown below.

B. Install the window per manufacturer’s instructions.

C. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.

D. Remove the release paper at the head and adhere it to the wall surface.

**NOTE:** Do not reverse shingle. DuPont™ StraightFlash™ must overlap DuPont™ FlexWrap™ NF and adhere to the substrate.
**STEP 7**

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

B. OPTIONAL: Cut a piece of metal or vinyl drip cap slightly LONGER than the width of the window and place a bead of DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant on the rear side. Install the drip cap tight against the window head and cover the top edge with DuPont™ StraightFlash™ or DuPont™ Flashing Tape.

C. Flip down upper flap of the DuPont™ Tyvek® WRB so it lays flat across head flashing.

D. 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.

E. Tape down diagonal seams of DuPont™ Tyvek® WRB.

**STEP 8**

Final Step

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 Door AFTER Water-Resistive Barrier (WRB) Is Installed

This installation guide is intended for doors installed above grade and/or with wood floor construction. Method applies to the following products:

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

**STEP 1**
Prepare the DuPont™ Tyvek® WRB for door installation:

A. Make an “I-Cut” (Standard I-Cut) in the DuPont™ Tyvek® WRB. For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the door frame. From the center, cut straight down to the sill.

B. Cut two 45 degree slits a minimum of 8” extending from the corner of the door head, up and away from door opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation (see step 9).

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

C. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

D. Fold side flaps into rough opening, and secure to inside wall framing. Cut off excess flaps if desired.
STEP 2
Preparation of sill flashing:
A. Cut DuPont™ FlexWrap™ NF at least 12” LONGER than width of the sill (S).
B. 9” DuPont™ FlexWrap™ NF has perforated release paper to help with the formation of the back dam. To ensure that the perforation tears cleanly, fold the perforation 180° and crease the flashing.
C. Remove the two widest pieces of release paper leaving the narrowest release paper on the flashing. When the finished floor is applied, the release paper can be removed and the back dam can be completed.
STEP 3 (OPTIONAL BACK DAM)
Install the sill flashing as indicated leaving the 1” of 9” DuPont™ FlexWrap™ NF with release paper extending it past the door threshold on the inside. When the 1” of release paper is removed, 3/4” of flashing will be available 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 9” DuPont™ FlexWrap™ NF in the sill. Door will be installed on top of 1” fold to create a back dam.
**STEP 4**
Fan DuPont™ FlexWrap™ NF at bottom corners onto face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2” to 3” onto the face of the wall.
STEP 5 (OPTIONAL)
For extreme weather conditions, performance requirements exceeding ASTM E1677, or window/door design ratings of DP45 or greater, see General Instructions.

A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1” wider than the width of door threshold opening and approximately 10” in height.

B. Cut a 4” piece of DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™ to the same width as the skirt. Remove two pieces of release paper and adhere to the DuPont™ Tyvek® WRB.

C. Remove the last pieces of release paper and attach the skirt to the underside of the door threshold. This skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.
FOR NON-FLANGED DOORS

STEP 6
A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least twelve (12) inches LONGER than the head length.
B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
C. Center the DuPont™ StraightFlash™ VF along the length of the door and position so that it contacts the door frame.
D. Beginning at the junction of the jamb and head, and away from the corners, cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle.
E. Fold the newly created flashing flaps down flat.
F. Fold remaining head flashing flaps down onto the jamb frame.
STEP 7
A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least six (6) inches LONGER than the jamb length.
B. Remove the release paper from one side of DuPont™ StraightFlash™ VF.
C. Position the DuPont™ StraightFlash™ VF so that it contacts the door frame up to the exterior face of the door. Ensure that the jamb flashing is positioned 1-1/2 inches below top of head flashing. The jamb flashing adhesive must come in contact with head flashing adhesive and overlap by one inch.
D. Repeat on opposite jamb.
**STEP 8**

A. Beginning at the junction of the jamb and head and at the junction of the sill and jamb, and away from the corners, cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle and fold bottom flap to adhere against the door head frame.

B. Fold remaining flashing flaps flat against head flashing.

C. Fold newly created flaps down parallel to the door frame.

D. Repeat on opposite jamb.

E. Cut two 3” x 3” DuPont™ FlexWrap™ NF squares and add patches to corners of the door. Staple to wooden frame.
STEP 9

A. If sealant is applied to the threshold, ensure that there are two (2) 2” gaps in the sealant bead for every 4’ of door to allow for drainage using DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant as shown below.

B. Install door according to manufacturer’s installation instructions.

C. Remove the remaining release paper from the DuPont™ StraightFlash™ VF jamb flashing and press firmly to adhere it to the DuPont™ Tyvek® WRB.

D. Remove the release paper at the head and adhere it to the wall surface.

E. OPTIONAL: Cover exposed butyl with DuPont™ StraightFlash or DuPont™ Flashing Tape.
**STEP 10 (OPTIONAL) - HIGH PRESSURE SKIRT (Completing installation of flashing for non-flanged door)**

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

A. Create the high pressure skirt by cutting a piece of DuPont™ Tyvek® WRB 1” wider than the width of door opening and approximately 10” in height.

B. Cut a piece of DuPont™ StraightFlash™ VF to the same width of skirt. Remove release paper from one side of DuPont™ StraightFlash™ VF and adhere to DuPont™ Tyvek® WRB. The skirt may be made with either DuPont™ StraightFlash™ VF or DuPont™ StraightFlash™.

C. Remove the release paper from the other side of DuPont™ StraightFlash™ VF and adhere the butyl adhesive at the sill skirt to the underside of the door threshold behind the jamb flashing.

D. Secure edges of the optional skirt with two 4” pieces of DuPont™ StraightFlash™.

E. Tape the bottom of the optional skirt to allow for drainage and to minimize wind damage during construction.

F. If sealant is applied to the threshold, ensure that there are at least two (2) 2” gaps in the sealant bead to allow for drainage for every 4’ of door using DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant.

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STEP 11 (RECOMMENDED BEST PRACTICE)
A. OPTIONAL: Cut a piece of metal or vinyl drip cap 1/8” LONGER than the width of the door and bend down edges. Place a bead of DuPont™ Residential Sealant, 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.
B. Flip down upper flap of the DuPont™ Tyvek® WRB so it lays flat across head flashing.
C. Tape seams as shown. DO NOT TAPE at bottom of door. At the head, continuous tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
D. Tape down diagonal seams of the DuPont™ Tyvek® WRB.

STEP 12
Final Step
A. When the interior flooring is ready to install, remove release paper and use Folding Option One or Two to form back dam.
B. Install DuPont™ Residential Sealant, DuPont™ 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.
Integral Flanged Window with a Wood Buck Bump-Out AFTER Water-Resistive Barrier (WRB) is Installed

Method applies to the following products:
- DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

**STEP 1**
Prepare WRB for window installation:
A. Make an “I-Cut” (Standard I-Cut) in the WRB (modified I-Cut is also accepted). For an “I-Cut”, begin with a horizontal cut across the bottom and the top of the window frame (for round top windows, the cut should begin above the mull joint). From the center, cut straight down to the sill.
B. Cut two 45 degree slits a minimum of 8” extending from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

**NOTE:** Some windows and flashing widths may require longer slits.
C. Fold side flaps into rough opening and secure to inside wall. Cut off excess flaps if desired.
**STEP 2**
A. Install wood buck bump-out per Architect’s guides. Securely fasten in place.
B. Apply DuPont™ Residential Sealant, DuPont™ Commercial Sealant or recommended sealant on 3 sides (jambs and head) of wood buck, and seal wood buck to wall. DuPont™ Residential Sealant and DuPont™ Commercial Sealant should be tooled flat to allow the natural curing process to create a concave shape.

**STEP 3**
A. Cut DuPont™ Tyvek® WRB a minimum of 10”-12” wide and minimum 12” LONGER than the width of the window.
B. Cut 4” wide DuPont™ StraightFlash™ or DuPont™ Flashing Tape the same length as the DuPont™ Tyvek® WRB.*
C. Remove two of the strips of release paper and install butyl onto the DuPont™ Tyvek® WRB.

*DuPont™ Flashing Tape may be used in place of DuPont™ StraightFlash™ but the entire width of release paper must be removed and a strip of the butyl must extend beyond the DuPont™ Tyvek® so that it may be adhered to the sill.
STEP 4
A. After skirt is constructed, remove remaining release paper and install onto face of sill wood buck bump-out just below the horizontal sill.
B. Fold excess flashing around the corner of the wood buck bump-out and onto the face of the wall.
C. Apply DuPont™ Tyvek® Wrap Cap screws or appropriate fasteners at each stud line to protect the skirt from wind.
STEP 5
A. Cut DuPont™ FlexWrap™ NF at least 12” LONGER than width of rough opening sill (S).
B. Remove first piece of release paper, cover the horizontal sill by aligning inside edge of sill, and adhere into rough opening along sill and up jambs (min. 6” on each side).
C. Remove second release paper.
D. Fan out DuPont™ FlexWrap™ NF at bottom corners onto face of wood buck bump-out. Coverage of DuPont™ FlexWrap™ NF should be 2” to 3” onto the face of the wood buck bump-out.
**STEP 6**
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 7**
Install window according to manufacturer’s instructions.
STEP 8
Cut 2 pieces of 9” DuPont™ StraightFlash™ for the jamb flashing. It is also acceptable to use 6” or 9” DuPont™ Flashing Tape depending on the size of the wood buck bump-out.
A. Flashing should extend to the bottom of the skirt.
B. The flashing should extend 1”- 2” above the head of the wood buck bump-out.
C. Fold the jamb flashing at the head. To minimize puckering, install as tightly as possible so the DuPont™ StraightFlash™ lies flat against the flange and wood buck bump out.

STEP 9
A. If there is glass mat gypsum sheathing, apply recommended primer to sheathing surface.
B. Install DuPont™ FlexWrap™ NF* at head of window and onto the flange of the window.
C. Make sure at least 2” of DuPont™ FlexWrap™ NF is adhered to the face of the sheathing.

*DuPont™ StraightFlash™ or DuPont™ Flashing Tape may be substituted for the DuPont™ FlexWrap™ NF at the head of the window.
STEP 10
A. Flip down upper flap of the DuPont™ Tyvek® WRB so it lays across head flashing.
B. At the head, continuously tape seams as shown with DuPont™ Tyvek® Tape. Skip-taping at the head is acceptable if an air barrier is not required or if additional drainage is desired.
C. Tape down diagonal seams of the DuPont™ Tyvek® WRB.

STEP 11
Final Step
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.
Integral Flanged Window in Recessed Windows AFTER Water-Resistive Barrier (WRB) is Installed

Method applies to the following products:
- DuPont™ StraightFlash™, DuPont™ FlexWrap™ NF and DuPont™ Flashing Tape

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

**STEP 1**
Prepare DuPont™ Tyvek® WRB for window installation:
A. Make a perimeter cut in the DuPont™ Tyvek® WRB.
B. Cut two 45 degree slits extending a minimum of 8” from the corner of the window head, up and away from the window opening. This will create a flap above the rough opening to expose sheathing or framing members to allow head flashing installation. Flip head flap up and temporarily secure with DuPont™ Tyvek® Tape.

**NOTE:** Some windows and flashing widths may require longer slits.
STEP 2
Make four corners for the recessed window:
A. Remove DuPont™ FlexWrap™ RW from package.
B. Place index finger on tip of upper edge of adhered butyl and pinch butyl triangle at the base with thumb and middle finger.
C. Using the other hand, invert flashing to form a three-dimensional corner.
D. Repeat for each of the three remaining corner pieces.
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.
**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 to help 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 up and remove second piece of release paper exposing butyl. Fold down and attach butyl to sill.
**STEP 5**

A. Remove both pieces of release paper from flaps 1 and 2. Adhere butyl to inner recessed sill plate.

B. Fan DuPont™ FlexWrap™ RW out outer corners on to face of wall and tack corners 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 the sealant in the corner piece.

E. Staple down flap.
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 face of wall. Coverage of DuPont™ FlexWrap™ NF should be 2” to 3” onto the face of the framing.
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 instructions.


**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 make the flashing more rigid to help 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 DuPont™ Tyvek® WRB.

D. Repeat for 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 DuPont™ FlexWrap™ RW out outer corners and tack corners in three places using recommended fasteners.
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.
**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 DuPont™ StraightFlash™ 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**
A. Flip down upper flap of DuPont™ Tyvek® WRB so it lays flat across head flashing.
B. 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 head is acceptable if an air barrier is not required or if additional drainage is desired.
STEP 14
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.
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.**
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 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