DUPONT™ TYVEK® FLUID APPLIED FLASHING INSTALLATION GUIDELINES

METHODS FOR SUPERIOR PROTECTION AGAINST AIR AND WATER INTRUSION
# DuPont™ Tyvek® Fluid Applied Flashing Installation Guidelines

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## Applicable Products

### DuPont™ Fluid Applied Products

<table>
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<tr>
<th>PRODUCT</th>
<th>QUANTITY</th>
<th>COVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DuPont™ Tyvek® Fluid Applied WB+™</td>
<td>5 gal, 50 gal</td>
<td>50-65 sf/gal*</td>
</tr>
<tr>
<td>DuPont™ Tyvek® Fluid Applied Weather Barrier</td>
<td>3.5 gal</td>
<td>50-60 sf/gal*</td>
</tr>
<tr>
<td>DuPont™ Tyvek® Fluid Applied Weather Barrier (for gypsum sheathing seam treatment)</td>
<td>28 oz</td>
<td>2.5–3.5 lf/oz</td>
</tr>
<tr>
<td>DuPont™ Sealant for Tyvek® Fluid Applied System</td>
<td>28 oz</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Estimated surface coverage at 25 mils thick.

### DuPont™ Self-Adhered Flashing Products

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>DuPont™ FlexWrap™ NF</td>
<td>6 in</td>
</tr>
<tr>
<td>DuPont™ StraightFlash™</td>
<td>4 in</td>
</tr>
<tr>
<td>DuPont™ StraightFlash™ VF</td>
<td>6 in</td>
</tr>
</tbody>
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## Required Materials Based on Project Requirements, Details, and Specifications

<table>
<thead>
<tr>
<th>PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DuPont™ Adhesive/Primer</td>
</tr>
</tbody>
</table>
Special Considerations

NOTE: When DuPont™ Tyvek® Fluid Applied WB+™ is applied with a sprayer, the outer edges of all interfaces with DuPont™ self-adhered flashing products should be treated with DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ and tapered to the wall substrate to ensure smooth transitions free of pinholes and voids.

1. Suitable substrates include concrete masonry unit (CMU), concrete (48 hrs. for green concrete), exterior gypsum, OSB, plywood, lumber, and treated lumber. The installing professional should ensure the moisture content, measured with a wood moisture meter in the core of the substrate, shall be below 20%. Do not cover wood-based substrates with Tyvek® Fluid Applied products if moisture content is 20% or above.

2. Tyvek® Fluid Applied products can be applied to damp surfaces. A surface is considered damp if there is no visible water on the surface and no transfer of water to the skin when touched.

3. When applying DuPont™ Tyvek® Fluid Applied products over wood-based substrates such as OSB, plywood, lumber, and treated lumber, the installing professional should ensure the moisture content, measured with a wood moisture meter in the core of the substrate, shall be below 20%. Do not cover wood-based substrates with Tyvek® Fluid Applied products if moisture content is 20% or above.

4. DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ can be troweled or brushed to the required thickness in any application outlined in the guide.

5. Do not install on a wall that does not feature a continuous path for moisture drainage. For membrane drainage wall systems, ensure that the drainage path is not blocked or disrupted, which can result in excess moisture build-up in the wall cavity. Tyvek® Fluid Applied products are designed for above grade application and should not be installed below grade.

6. Tyvek® Fluid Applied products should be applied when air and surface temperatures are above 25°F (−4°C) and a maximum surface temperature of 140°F (60°C). Do not install once ambient temperature exceeds 95°F (35°C), unless surface is shaded. Maximum in-service temperature is 180°F.

7. Avoid spraying DuPont™ Tyvek® Fluid Applied WB+™ in very windy conditions. Installing professional should consider if structure should be tented to protect the surrounding area from overspray. Avoid spraying in very dusty conditions.

8. Tyvek® Fluid Applied products may be overcoated once a touch-free skin has formed. Exterior insulation and/or exterior facade may be installed after DuPont™ Tyvek® Fluid Applied products have cured for 48 hours. Please refer to Drying/Curing information in the DuPont™ Tyvek® Fluid Applied WB+™ Wall and Substrate Guidelines (K-29398).

9. DuPont™ Tyvek® Fluid Applied WB+™ may be applied over, and integrated with Tyvek® Fluid Applied Flashing once a touch-free skin has formed. Skin time is 1-2 hours at 70°F (20°C) 50% RH.

10. Performance testing, included but not limited to peel adhesion, pull strength analysis, field or third party testing of air and/or water barrier properties, should be conducted after Tyvek® Fluid Applied products are fully cured (1-14 days).

11. Continuous storage at high temperatures will reduce the shelf life of these products. Tyvek® Fluid Applied products temporarily stored outside should be stored under cover.

12. Opened pairs of Tyvek® Fluid Applied products should be covered with plastic to slow cure rate. Before reusing a previously opened container, first remove any cured material that may have formed at the top.

13. DuPont requires that Tyvek® Fluid Applied products be covered within 9 months of installation.

14. DuPont™ Self-Adhered Flashing products perform best when air and surface temperatures are above 25°F (−4°C).

15. DuPont™ Adhesive/Primer, or recommended primer, is required when applying DuPont™ Self-Adhered Flashing products on concrete, masonry, and fiber faced exterior gypsum board substrates. Priming is generally not required for adhering DuPont™ Self-Adhered Flashing products to wood. However, adverse weather conditions or colder temperatures may require DuPont™ Adhesive/Primer, or recommended primer, to promote adhesion. Priming is not required when applying DuPont™ Tyvek® Fluid Applied products, except when applying onto cut edges of exterior gypsum sheathing.

16. Uncured DuPont™ Tyvek® Fluid Applied Products must not come in contact with DuPont™ Tyvek® Mechanically-Fastened Air and Water Barriers due to potential impact on performance properties.

17. Stirring is not necessary. If separation occurs, gently fold material until mixture is uniform. Avoid any type of mixing that will introduce air into the product.

18. Asphalt-based adhesives are not recommended for use with DuPont™ Tyvek® Fluid Applied products.

19. Minor discoloration of the membrane at wood knots, sap, or sheathing inks may occur after curing.

20. When DuPont™ Tyvek® Fluid Applied products are used as the primary air and water barrier, DuPont™ Tyvek® Mechanically-Fastened Air and Water Barrier products may be installed as an ‘intervening layer’ over DuPont™ Tyvek® Fluid Applied products after 24 hours of curing at 70°F (20°C) and 50% RH. For additional information about the use of ‘intervening layers’ see the Stucco section under Facade/Exterior Considerations in the DuPont™ Tyvek® Fluid Applied WB+™ Wall and Substrate Guidelines (K-29398).

21. Remove all wrinkles and bubbles that may allow for water intrusion by smoothing surface and repositioning as necessary during installation of DuPont™ self-adhered flashing systems products. Apply pressure along entire surface of flashing for a good bond using firm hand pressure, J-roller, or alternate tool without sharp edges (such as a plastic carpet tuck tool) to assist with application of uniform pressure.

For additional guidance, please call 1-800-44-Tyvek (800-448-9835), visit our website at www.fluidapplied.tyvek.com, or consult your local DuPont™ Tyvek® Specialist.
Method 1: Fluid Applied Flashing with Fluid Applied Weather Barrier

**STEP 1**
Clean substrate of any material that could negatively affect adhesion as well as any sharp protrusions.

A. Cover holes in studs with patches of DuPont™ StraightFlash™.

B. When using DuPont™ StraightFlash™ at the sill of the window. Apply DuPont™ Adhesive/Primer or recommended primer approximately 3” onto the exterior face of the wall, and onto the inside of the sill for concrete surfaces.

**NOTE:** If applying to gypsum sheathing, the cut edge of the gypsum should be primed using DuPont™ Adhesive/Primer or recommended primer on all four sides prior to application of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+.  

**NOTE:** DuPont™ StraightFlash™ is not required in cases where no fasteners are being installed through the window sill.

**STEP 2**
Prepare the sill flashing by cutting a piece of DuPont™ StraightFlash™ the width of the sill.

To install the sill flashing, remove release paper and position StraightFlash™ so that 2” will extend onto the face of the wall below the sill. Wrap flashing into the rough opening at sill and onto the face of the wall. Apply pressure along entire surface of flashing for a good bond using firm hand pressure, J-roller, or alternate tool without sharp edges (such as a plastic carpet tuck tool) to assist with application of uniform pressure during installation of DuPont™ Self-Adhered Flashing products.

**NOTE:** DuPont™ StraightFlash™ is not required in cases where no fasteners are being installed through the window sill.
**STEP 3**

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

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

C. Tool sealant to achieve optimal joint design.

**NOTE:** DuPont™ Tyvek® Fluid Applied products may be overcoated once a touch-free skin has formed. Skin time is 1-2 hrs at 70°F (20°C), 50% RH.

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**STEP 4**

A. Starting at the window head, apply a bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ onto the inside surface of the rough opening and onto the face of the wall or wood buck.
B. Use a trowel or brush to smooth out flashing to a thickness of approximately 25 mils. The flashing should cover the inside of the rough opening and extend a minimum of 2” onto the face of the wall or wood buck.

C. Continue the application process outlined above for the jambs.  

**NOTE:** For the Wood Buck Bump Out with Non-Flanged Window, apply DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ onto the outside edges of the wood buck and onto the wall substrate by a minimum of 2”.
D. The DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ should be applied on top of the DuPont™ StraightFlash™ on the sill and at least 2” min on the face of the wall or wood buck substrate. Be sure all inside corners are filled and integrated with the StraightFlash™. A corner trowel may be used to smooth outside corners.

STEP 5
Upon completion, inspect surface to ensure that Tyvek® Fluid Applied Flashing and Joint Compound+ is continuous and free of any voids or pinholes. DuPont™ Tyvek® Fluid Applied WB+™ may be applied over and integrated with Tyvek® Fluid Applied Flashing and Joint Compound+ once a touch-free skin has formed. Skin time is 1-2 hrs at 70°F (20°C), 50% RH.
**STEP 6**
Install DuPont™ Tyvek® Fluid Applied WB+™ up to the edge of the rough opening overlapping the DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+.

**NOTE**: When spraying, the outer edge of DuPont™ Self-Adhered Flashing product should be treated with DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+, and tapered to wall substrate to help ensure installation is free of pinholes and voids.

Refer to the current DuPont™ Tyvek® Fluid Applied WB+™ Wall and Substrate Guidelines (K-29398) for application instructions. Exterior insulation and/or cladding may be installed once the membrane has cured sufficiently to resist damage during installation. Skin time is 1-2 hours, and 25 mil is workable in 24 hours at 70°F (20°C), 50% RH.

**STEP 7**
After DuPont™ Tyvek® Fluid Applied WB+™ has cured, apply a continuous bead of DuPont™ Sealant for Tyvek® Fluid Applied System on the wall around the head and jambs of the window rough opening or onto the back side of the window flanges at the head and jambs. Do not apply sealant across bottom sill flange.
**DuPont™ Tyvek® Fluid Applied Flashing Installation Guidelines**

**STEP 8**
Install window per manufacturer's installation instructions.

**STEP 9**
A. Apply a continuous bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ along the interface between the window flange and the wall on the jambs and head of the window.

B. Use a trowel or brush to smooth DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ to approximately 2” wide x 60 mils thick. The DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ should extend onto the window flange a minimum of a 1/2” past the flange fasteners (approximately 1” onto either side of the flange / wall interface). Upon completion, inspect surface to ensure that DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ application is continuous and free of any voids or pinholes.
**STEP 10**
Create a continuous perimeter seal between the interior of the window and the flashing using backer rod and DuPont™ Sealant for Tyvek® Fluid Applied System along all four sides of the window.

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

**NOTE:** Refer to the Storefront Window CAD details at www.fluidapplied.tyvek.com for more detailed information.
Method 2: Self-Adhered Flashing with Fluid Applied Weather Barrier

**STEP 1**
Clean substrate of any material that could negatively affect adhesion, as well as any sharp protrusions.

A. Apply DuPont™ Adhesive/Primer or recommended primer approximately 3” onto the exterior face of the wall or bump out framing surrounding the rough opening, and onto the inside perimeter of the rough opening for concrete surfaces.

B. Cover holes in studs with patches of DuPont™ StraightFlash™.

**STEP 2**
Prepare the sill flashing by cutting a piece of DuPont™ FlexWrap™ NF that is at least 12” longer than the sill width.

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

Do not stretch material along the sill or jambs.

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No gap in corner

Window jamb

DuPont™ FlexWrap™ NF

WRONG

Sill

CORRECT

FRONT VIEW CORNER DETAIL
**STEP 3**

Remove second half of the release paper.
Fan DuPont™ FlexWrap™ NF at bottom corners (as indicated by the arrows in the illustration) and adhere onto face of wall or bump out framing. Firmly press sill flashing to ensure full adhesion on all surfaces. Eliminate wrinkles and bubbles by smoothing surface.

**STEP 4**

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

B. Remove release paper and position DuPont™ StraightFlash™ so that 2” will extend onto the face of the wall or bump out framing. Wrap jamb flashing into the rough opening at each jamb and onto face of wall or bump out framing. Apply pressure along entire surface of flashing for a good bond using firm hand pressure, J-roller, or alternate tool without sharp edges (such as a plastic carpet tuck tool) to assist with application of uniform pressure during installation of DuPont Self-Adhered Flashing products. Eliminate wrinkles and bubbles by smoothing surface.
**DuPont™ Tyvek® Fluid Applied Flashing Installation Guidelines**

**STEP 5**
Adhere DuPont™ FlexWrap™ NF to the head using the same installation process as shown in steps 2 and 3 for the sill flashing. Make sure the FlexWrap™ NF is cut long enough to overlap the jamb flashing by at least 2". Apply pressure along entire surface of flashing for a good bond using firm hand pressure, J-roller, or alternate tool without sharp edges (such as a plastic carpet tuck tool) to assist with application of uniform pressure during installation of DuPont™ Self-Adhered Flashing products. Eliminate wrinkles and bubbles by smoothing surface.

**STEP 6**
A. Apply a bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ or DuPont™ Sealant for Tyvek® Fluid Applied System to the seams in the bump out framing. Fill any remaining holes or cracks in bump out framing using the joint compound or sealant, and tool flat.

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

C. Tool sealant to achieve optimal joint design.
**STEP 7**

Install DuPont™ Tyvek® Fluid Applied WB+™ onto wall at 25 mils thick. Coat bump out framing, if applicable, up to the edge of the rough opening, overlapping the DuPont™ Self-Adhered Flashing product. Coating the DuPont™ Self-Adhered Flashing product into the sill, is also acceptable. Upon completion, inspect all surfaces to ensure that they are covered and **free of any voids or pinholes**.

**NOTE**: When spraying, the outer edge of DuPont™ Self-Adhered Flashing product should be treated with DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+, and tapered to wall substrate to help ensure installation is free of pinholes and voids.

Refer to the current DuPont™ Tyvek® Fluid Applied WB+™ Wall and Substrate Guidelines (K-29398) for application instructions. Exterior insulation and/or cladding may be installed once the membrane has cured sufficiently to resist damage during installation. Skin time is 1-2 hours, and 25 mil is workable in 24 hours at 70°F (20°C), 50% RH.

**STEP 8**

After DuPont™ Tyvek® Fluid Applied WB+™ has cured, apply a continuous bead of DuPont™ Sealant for Tyvek® Fluid Applied System on the wall around the head and jambs of the window rough opening or onto the back side of the window flanges at the head and jambs.
**DuPont™ Tyvek® Fluid Applied Flashing Installation Guidelines**

**STEP 9**
Install window per manufacturer’s installation instructions.

**STEP 10**
A. Apply a continuous bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ along the interface between the window flange and the wall on the jambs and head of the window.

B. Use a trowel or brush to smooth flashing to approximately 2” wide x 60 mils thick. The DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ should extend onto the window flange a minimum of a 1/2” past the flange fasteners (approximately 1” onto either side of the flange / wall interface). Upon completion, inspect surface to ensure that DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ application is continuous and free of any voids or pinholes.
**STEP 11**
Create a continuous perimeter seal between the interior of the window and the flashing using backer rod and DuPont™ Sealant for Tyvek® Fluid Applied System along all four sides of the window.

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

**NOTE:** Refer to the Storefront Window CAD details at www.fluidapplied.tyvek.com for more detailed information.
Method 3: Alternate Self-Adhered Flashing Option with Fluid Applied Weather Barrier

STEP 1
Clean substrate of any material that could negatively affect adhesion, as well as any sharp protrusions.
A. Apply DuPont™ Adhesive/Primer or recommended primer approximately 3” onto the exterior face of the wall or bump out framing surrounding the rough opening, and onto the inside perimeter of the rough opening for concrete surfaces.
B. Cover holes in studs with patches of DuPont™ StraightFlash™.

STEP 2
Prepare the sill flashing by cutting a piece of DuPont™ StraightFlash™ that is at least 12” longer than the sill width.
A. Install the StraightFlash™ by removing the widest strip of release paper, and aligning the flashing so that a minimum of 2” will extend onto the face of the wall or wood buck and 6” up the jamb.
B. Secure flashing tightly into the corners by first working it in along the sill before adhering it up the jamb. (See front view corner detail above).
C. Cut the jamb portion of the sill flashing even with the face of the wall or wood buck.
D. With release paper still attached, fold flashing down onto the face of the wall or wood buck.
**STEP 3**

A. Trim excess flashing from the face of the wall or wood buck. Flashing should extend a minimum of 2” onto the face of the wall or wood buck.

B. Remove remaining release paper and firmly press flashing onto the face of the wall or wood buck.

**STEP 4**

Prepare the jamb flashing by cutting two pieces of DuPont™ StraightFlash™ that are 4” longer than the jamb length.

A. Remove the 2” wide portion of the release paper. Place the flashing onto the face of the wall or wood buck so that it extends a minimum of 2” past the jamb, head, and sill of the rough opening.

B. Cut the flashing along the head and the sill of the rough opening.

C. Remove the remaining release paper. Fold the flashing into the rough opening and adhere it to the jamb.
**DuPont™ Tyvek® Fluid Applied Flashing Installation Guidelines**

**STEP 5**
A. Cut vertically along the remaining release paper and remove the excess flashing from the head and the sill.
B. Firmly press flashing onto the jambs, the face of wall or bump out framing and the sill flashing overlaps.

**STEP 6**
Prepare the head flashing by cutting a piece of DuPont™ StraightFlash™ that is at least 4” longer than the rough opening head length.
A. Install the StraightFlash™ by removing the widest strip of release paper, and aligning the flashing so that a minimum of 2” will extend onto the face of the wall or wood buck and will overlap the jamb flashing by at least 2”.
B. Secure flashing tightly into the corners by first working it in along the head before adhering it down the jambs.
C. Cut the jamb portion of the head flashing even with the face of the wall or wood buck.
D. Remove the remaining release paper, fold the flashing up, and firmly press flashing onto the face of the wall or wood buck and jamb flashing overlaps. Apply pressure along entire surface of flashing for a good bond using firm hand pressure, J-roller, or alternate tool without sharp edges (such as a plastic carpet tuck tool) to assist with application of uniform pressure during installation of DuPont™ Self-Adhered Flashing products.
STEP 7
A. Seal all four inside corners with DuPont™ Sealant for Tyvek® Fluid Applied System. Extend sealant approximately ½” onto the face of the wall or wood buck flashing.

NOTE: Be sure that the pinholes in the flashing corners are fully covered with sealant.

DuPont™ Tyvek® Fluid Applied products may be overcoated once a touch-free skin has formed. Skin time is 1-2 hrs at 70°F (20°C), 50% RH.

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

C. Tool sealant to achieve optimal joint design.

STEP 8
Install DuPont™ Tyvek® Fluid Applied WB+™ onto wall at 25 mils thick. Coat wood buck, if applicable, up to the edge of the rough opening, overlapping the DuPont™ Self-Adhered Flashing product. Coating the DuPont™ Self-Adhered Flashing product into the sill is also acceptable. Upon completion, inspect all surfaces to ensure that they are covered and free of any voids or pinholes.

NOTE: When spraying, the outer edge of DuPont™ Self-Adhered Flashing product should be treated with DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+, and tapered to wall substrate to help ensure installation is free of pinholes and voids.

Refer to the current DuPont™ Tyvek® Fluid Applied WB+™ Wall and Substrate Guidelines (K-29398) for application instructions. Skin time is 1-2 hours, and 25 mils is workable in 24 hours at 70°F (20°C), 50% RH.
**STEP 9**
After DuPont™ Tyvek® Fluid Applied WB+™ has cured, apply a continuous bead of DuPont™ Sealant for Tyvek® Fluid Applied System on the wall around the head and jambs of the window rough opening or onto the back side of the window flanges at the head and jambs.

**STEP 10**
Install window per manufacturer’s installation instructions.
**STEP 11**

A. Apply a continuous bead of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ along the interface between the window flange and the wall on the jambs and head of the window.

B. Use a trowel or brush to smooth flashing to approximately 2” wide x 60 mils thick. The DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ should extend onto the window flange a minimum of a 1/2” past the flange fasteners (approximately 1” onto either side of the flange / wall interface). Upon completion, inspect surface to ensure that DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ application is continuous and free of any voids or pinholes.

**STEP 12**

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

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

**NOTE:** Refer to the Storefront Window CAD details at www.fluidapplied.tyvek.com for more detailed information.
Method 4: Self-Adhered Flashing Installation

STEP 1
Clean substrate of any material that could negatively affect adhesion, as well as any sharp protrusions.
A. Apply DuPont™ Adhesive/Primer or recommended primer approximately 3” onto the exterior face of the wall surrounding the rough opening, and onto the inside perimeter of the rough opening for concrete surfaces.
B. Cover holes in studs with patches of DuPont™ StraightFlash™.

STEP 2
Prepare the sill flashing by cutting a piece of DuPont™ StraightFlash™ that is at least 12” longer than the sill width.
A. Install the StraightFlash™ by removing the widest strip of release paper, and aligning the flashing so that a minimum of 2” will extend onto the face of the wall and 6” up the jambs.
B. Secure flashing tightly into the corners by first working it in along the sill before adhering it up the jambs. (See front view corner detail above).
C. Cut the jamb portion of the sill flashing even with the face of the wall.
D. With release paper still attached, fold flashing down onto the face of the wall.

STEP 3
A. Trim excess flashing from the face of the wall. Flashing should extend a minimum of 2” onto the face of the wall.
B. Remove remaining release paper and firmly press flashing onto the face of the wall.

STEP 4
Prepare the jamb flashing by cutting two pieces of DuPont™ StraightFlash™ that are 4” longer than the jamb length.
A. Remove the 2” wide portion of the release paper. Place the flashing onto the face of the wall so that it extends a minimum of 2” past the jamb, head, and sill of the rough opening.
B. Cut the flashing along the head and the sill of the rough opening.
C. Remove the remaining release paper. Fold the flashing into the rough opening and adhere it to the jamb.
**Brickmold with Non-flanged Window**

**STEP 5**
A. Cut vertically along the remaining release paper and remove the excess flashing from the head and the sill.
B. Firmly press flashing onto the jambs, the face of wall and the sill flashing overlaps.

**STEP 6**
Prepare the head flashing by cutting a piece of DuPont™ StraightFlash™ that is at least 4" longer than the width of the head rough opening.
A. Install the StraightFlash™ by removing the widest strip of release paper, and aligning the flashing so that a minimum of 2" will extend onto the face of the wall and will overlap the jamb flashing by at least 2".
B. Secure flashing tightly into the corners by first working it in along the head before adhering it down the jambs.
C. Cut the jamb portion of the head flashing even with the face of the wall.
D. Remove the remaining release paper, fold the flashing up, and firmly press flashing onto the face of the wall and jamb flashing overlaps. Apply pressure along entire surface of flashing for a good bond using firm hand pressure, J-roller, or alternate tool without sharp edges (such as a plastic carpet tuck tool) to assist with application of uniform pressure during installation of DuPont™ DuPont™ Self-Adhered Flashing products.

**STEP 7**
A. Seal all four inside corners with DuPont™ Sealant for Tyvek® Fluid Applied System. Extend sealant approximately ½" onto the face of the wall flashing.

**NOTE:** Be sure that the pinholes in the flashing corners are fully covered with sealant. DuPont™ Tyvek® Fluid Applied products may be overcoated once a touch-free skin has formed. Skin time is 1-2 hrs at 70°F (20°C), 50% RH.
STEP 8

A. Prepare head flashing by cutting a piece of DuPont™ StraightFlash™ VF at least 12” LONGER than the width of the head.

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

C. Center the flashing on the window head and position so that it contacts the window frame and interior side of the brick mold. 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 where the brick mold attaches to the window frame.

D. Remove the inner release paper and adhere the flashing to the back of the brick mold and the window casing.

E. At the corner of the window frame, cut the DuPont™ StraightFlash™ VF along the corner at a 45° angle.

F. Fold the DuPont™ StraightFlash™ VF down flat against the brick mold.
STEP 9

A. Prepare jamb flashing by cutting a piece of DuPont™ StraightFlash™ VF at least 6” 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 it contacts the window frame and interior side of the brick mold. Ensure that the jamb flashing is positioned 1-1/2” below the top edge of the head flashing. Jamb flashing adhesive must come in contact with head flashing adhesive and overlap by 1”.
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.
F. At the corner of the window frame, cut the DuPont™ StraightFlash™ VF along the corner and fold it down flat to adhere against the head flashing.
**STEP 10**

A. Install window according to manufacturer’s installation instructions.

B. Apply DuPont™ Adhesive/Primer or recommended primer to exposed sheathing.

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

D. Remove the release paper at the head and adhere the flashing to the wall surface. Apply pressure along entire surface of flashing for a good bond using firm hand pressure, J-roller, or alternate tool without sharp edges (such as a plastic carpet tuck tool) to assist with application of uniform pressure during installation of DuPont™ Self-Adhered Flashing products.

E. Optional: Cover exposed butyl with DuPont™ StraightFlash™ or DuPont™ Tyvek® Tape.

**STEP 11**

A. Install DuPont™ Tyvek® Fluid Applied WB+™ onto wall at 25 mils thick, overlapping the DuPont™ StraightFlash™ VF by 2”.

**NOTE:** When spraying or rolling, take measures to ensure window glazing remains free of DuPont™ Tyvek® Fluid Applied WB+™.

**NOTE:** When spraying, the outer edge of DuPont™ Self-Adhered Flashing product should be treated with DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+, and tapered to wall substrate to help ensure installation is free of pinholes and voids. Refer to the current DuPont™ Tyvek® Fluid Applied WB+™ Wall and Substrate Guidelines (K-29398) for application instructions. Skin time is 1-2 hours, and 25 mils is workable in 24 hours at 70°F (20°C), 50% RH.

**STEP 12**

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

Lintel at Window Head (After Installation of DuPont™ Tyvek® Fluid Applied WB+)"

**STEP 1**
A. Install lintel on masonry as required.
B. Install end dams, beaded in recommended sealant, onto lintel. End dams should extend a minimum of 4" beyond the edge of the window opening.

**STEP 2**
A. Apply a coat of DuPont™ Tyvek® Fluid Applied WB+™ onto the face of the wall, extending approximately 5" above the lintel.
Cut through wall flashing to the length needed to fit between the end dams. Use wide enough through wall flashing to extend 4" up onto the face of the wall.

**STEP 3**
A. Install through wall flashing on to the wall and lintel with a minimum of 4" adhering to the wall surface.
B. Terminate the top edge of flashing using mechanical fasteners. As a best practice, DuPont recommends using a termination bar to terminate flashing.

**STEP 4**
A. Seal the through wall flashing perimeter, seams, and fasteners using DuPont™ Sealant for Tyvek® Fluid Applied System or DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+.
B. Apply a transition coat of DuPont™ Tyvek® Fluid Applied product across the top edge of the through wall flashing membrane and 1"-2" beyond the bottom of the termination bar.
Shelf Angle

**STEP 1**
Clean wall and lintel of any material that could negatively affect adhesion as well as any sharp protrusions. Apply DuPont™ Adhesive/Primer or recommended primer approximately 5” onto wall surface above shelf angle.

**STEP 2**
A. Install through wall flashing onto the wall and shelf angle with a minimum of 4” adhering to the wall surface.
B. Terminate the membrane on the vertical wall per plans and specifications. If desired, termination can be performed by using a reglet, counter flashing, termination bar or by embedding in a mortar joint.

**STEP 3**
Apply DuPont™ Sealant for Tyvek® Fluid Applied System or DuPont™ Tyvek Fluid Applied Flashing and Joint Compound+ along the perimeter of the through wall flashing and to all seams.

**STEP 4**
After DuPont™ Tyvek® Fluid Applied product has cured, apply DuPont™ Tyvek® Fluid Applied WB+™ onto the wall surface, overlapping the through wall flashing by a minimum of 2”. DuPont™ Tyvek® Fluid Applied WB+™ should be installed in accordance with the current DuPont™ Tyvek® Fluid Applied WB Commercial Wall and Substrate Guidelines. Upon completion, inspect the surface to ensure that the DuPont™ Tyvek® Fluid Applied WB+™ is continuous and free of any voids or pinholes.

**NOTE**: If the through wall flashing is to be applied after the DuPont™ Tyvek® Fluid Applied WB+™ has been installed, the top of the through wall flashing should be wet bedded into a coat of a DuPont™ Tyvek® Fluid Applied System product. The top should be mechanically fastened, and then the perimeter and all fasteners sealed using a recommended sealant.
Technical Specifications

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

DuPont™ FlexWrap™ NF, StraightFlash™ and StraightFlash™ VF flashing products are made from a synthetic rubber adhesive and a top sheet of flash spunbonded high density polyethylene fibers. Additives have been incorporated into these materials to help provide UV light resistance. DuPont requires that DuPont™ FlexWrap™ NF, StraightFlash™ and StraightFlash™ VF be covered within nine (9) months of installation.

DuPont™ FlexWrap™ NF, StraightFlash™ and StraightFlash™ VF products and their release paper are slippery and should not be walked on. Remove release paper from work area immediately. DuPont™ Self-Adhered Flashing products are combustible and should be protected from flame and other high heat sources. If burning occurs, ignited droplets may fall away from the point of ignition. For more information, call 1-800-44-Tyvek.

Warning

SUPPLEMENTAL INFORMATION

May cause irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause irritation of respiratory tract. This product is a mixture. Health Hazard information is based on its components. Refer to Safety Data Sheet (SDS) for further information.

KEEP OUT OF REACH OF CHILDREN.

Children can fall in to bucket and drown. Keep children away from bucket with even a small amount of liquid.

Use only as directed. Avoid inhalation of vapor aerosol.

Clean Up

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

Precautionary Statements

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fumes/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Immediately call a POISON CENTER/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container to an approved waste disposal plant. Vapor and aerosols are harmful if using spray application. Use in a well-ventilated area. Use NIOSH approved respirator. If vapors are inhaled, immediately move from exposure to fresh air and contact a physician. Avoid contact with eyes and skin.

Hazard Statement

May cause an allergic skin reaction. May cause serious eye damage. May cause genetic defects. May cause cancer. May damage fertility or the unborn child.

Shelf Life And Storage

The shelf life is 12 months for an unopened container from the date of manufacture. Reference the “Use By” date printed on the container. Store opened containers with a plastic protective liner. Before reusing a previously opened container, first remove any cured material that may have formed (skinned over) at the top. DuPont™ Tyvek® Fluid Applied products should be stored in a clean, dry environment, 50°-80°F (10°-27°C).

Disposal

Dispose of any residual DuPont™ Tyvek® Fluid Applied products or DuPont™ Tyvek® Fluid Applied coated debris in accordance with applicable federal, state, and local government regulations.

Note

When installed in conjunction with other building materials, DuPont™ Self-Adhered Flashing products and DuPont™ Tyvek® Fluid Applied products must be properly integrated so that water is diverted to the exterior of the wall system. DuPont™ Tyvek® Fluid Applied WB+™ is a secondary weather barrier. The outer facade is the primary barrier. Do not install on a wall that does not feature a continuous path for moisture drainage. Any standing water must be allowed to drain off the membrane. You must follow facade manufacturer’s installation and maintenance requirements for all facade systems in order to maintain water holdout properties and ensure performance of DuPont™ Tyvek® Fluid Applied WB+™. Use of additives, coatings or cleansers on or in the facade system may impact the performance of DuPont™ Tyvek® Fluid Applied products. DuPont products are to be used as outlined in this installation guideline. DuPont™ Self-Adhered Flashing products and DuPont™ Tyvek® Fluid Applied products should only be used to seal penetrations and flash openings in buildings. Uncured DuPont™ Tyvek® Fluid Applied products must not come in contact with DuPont™ Tyvek® Mechanically-Fastened Air and Water Barrier products due to potential impact on performance properties. DuPont™ Self-Adhered Flashing and DuPont™ Tyvek® Fluid Applied 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.

Depending on job site conditions, it is possible that stains may appear, but will not alter performance of the DuPont™ Tyvek® Fluid Applied product.

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

For complete warranty information please call 1-800-44-Tyvek or visit www.fluidapplied.tyvek.com.

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