

# Residential User's Bulletin – Field Installation Examples

This document is designed to serve as a resource. The examples provided do not override or change any requirement in the currently published Installation Guidelines or Warranties. Always refer back to the applicable Installation Guidelines and Warranties, available at [www.tyvek.com](http://www.tyvek.com), for complete information.



## DuPont™ Tyvek® WRB Installation

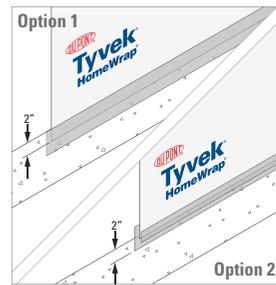
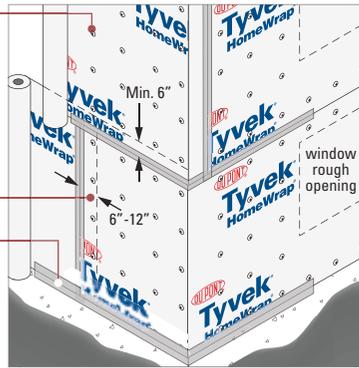
Fasteners installed directly to studs and spaced 6-18" per schedule.

- DuPont™ Tyvek® Wrap Cap nails, screws, or staples
- Other cap staples for Stinger™ Cap Stapler
- Other manufacturers' equivalent fasteners
- No fasteners within 6" of window sill and jambs and 9" of window head.

Vertical overlaps 6"-12" and horizontal overlaps min. 6". All vertical seams taped with DuPont™ Tyvek® Tape.

DuPont™ Tyvek® WRB at bottom of wall

- Extends over sill plate interface by 2" or,
- Extends to bottom of sill plate for slab on grade foundations, or
- Integrates with metal flashing or weep screed when present, or
- Extends over sill plate interface by min. 1" when sealed or skip-sealed with DuPont™ Tyvek® Tape, DuPont Building Envelope Solutions products, or DuPont™ Residential Sealant



## Bottom of Wall Examples

**Option 1:** Seal DuPont™ Tyvek® WRB onto foundation with DuPont™ Self-Adhered Flashing product

**Option 2:** Seal DuPont™ Tyvek® WRB onto DuPont Self-Adhered Flashing product using DuPont™ Tyvek® Tape

## For Air Barrier installations:

All horizontal seams taped

- 3" Tape for DuPont™ Tyvek® StuccoWrap®, DrainWrap™, CommercialWrap® and CommercialWrap® D
- 2" Tape for DuPont™ Tyvek® HomeWrap®

Seal all terminations at top and bottom of wall.

- Install 1/4" bead of DuPont™ Residential Sealant 2-3" from edges, or
- Terminate with DuPont™ Tyvek® Tape, DuPont™ StraightFlash™, or DuPont™ Flashing Tape
- (DuPont™ Residential Sealant, DuPont™ StraightFlash™ or DuPont™ Flashing Tape with DuPont™ Adhesive/Primer for concrete and wood, or other rough surfaces)

## Integral Flanged Window Installed After WRB



"1" cut WRB at rough opening with 45° cuts at window head extending min. 8" from corners. Flaps at jambs folded into the opening and secured.

Head flap flipped up and secured.

DuPont™ FlexWrap™ NF installed at the sill extending min. 6" up jambs.

Sealant applied to three sides of the window opening at jambs and head. **Optional:** Skip sealing at the sill for drainage.

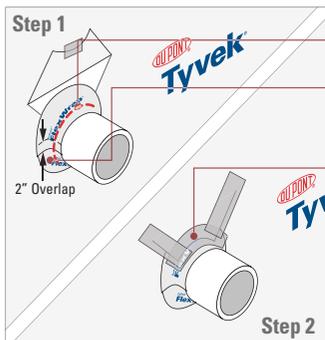
Window installed per manufacturer's specifications.

DuPont™ StraightFlash™ or DuPont™ Flashing Tape applied over flanges at jambs and head.

Head flap trimmed 1-2" and secured overhead flashing with DuPont™ Tyvek® Tape or DuPont Self-Adhered Flashing products.

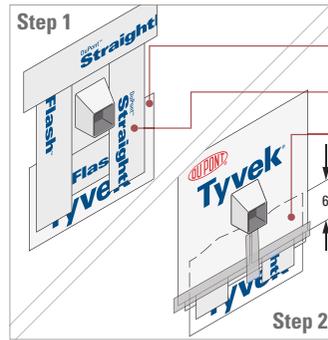
Full interior perimeter seal applied.

## Sealing Penetrations – Non-Flanged Products



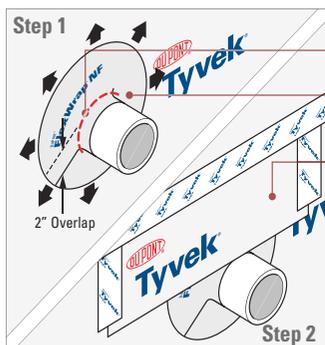
### Method 1

- DuPont™ Tyvek® WRB cut back 1" around penetration with head flap cut above.
- First piece of DuPont™ FlexWrap™ NF installed around bottom of penetration before second piece installed around top of penetration, overlapping bottom layer by 2".
- Head flap sealed using DuPont™ Tyvek® Tape or DuPont Self Adhered Flashing products.



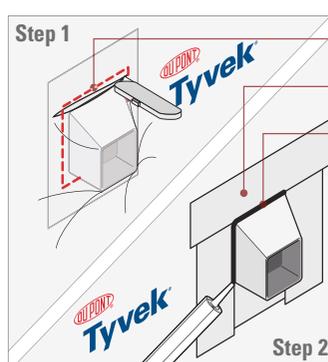
### Method 1

- DuPont™ Tyvek® WRB piece installed under bottom flange.
- DuPont Self-Adhered Flashing products applied to flanges.
- DuPont™ Tyvek® WRB installed to overlap piece below by min. 6".



### Method 2

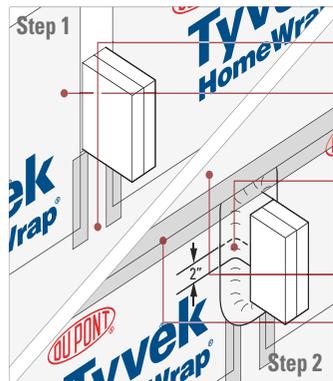
- DuPont™ Tyvek® WRB cut back 1" around penetration.
- Single piece of DuPont™ FlexWrap™ NF applied from bottom, and around penetration with 2" overlap onto layer below.
- **Optional:** piece of DuPont™ Tyvek® WRB taped over top of DuPont™ FlexWrap™ NF



### Method 2

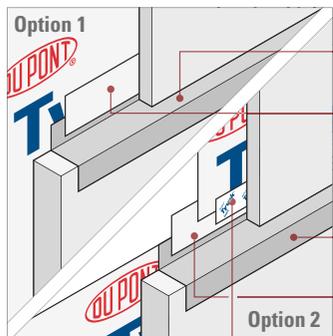
- DuPont™ Tyvek® WRB cut back 1" around penetration to expose flange.
- DuPont Self-Adhered Flashing products installed at bottom, sides, and top of flanges.
- **Optional:** DuPont™ Residential Sealant applied around penetration

**Sealing Penetrations – Beam Penetration**



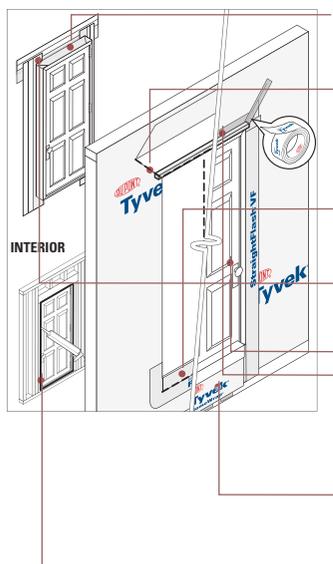
**Step 1**  
DuPont™ Tyvek® WRB installed across wall so top edge of WRB is at bottom of beam.  
Two pieces of DuPont™ Tyvek® WRB installed on either side of beam and sealed with DuPont™ Tyvek® Tape. The two pieces extend min. 7" above top of beam and overlap lower WRB course min. 6".  
First piece of DuPont™ FlexWrap™ NF installed around bottom of penetration before second piece installed around top of penetration, overlapping bottom layer by 2".  
DuPont™ Tyvek® WRB installed above beam, overlapping lower courses with 1" gap above beam.  
**Step 2**  
All horizontal and vertical seams taped with DuPont™ Tyvek® Tape.

**Metal Flashing at Cladding Transitions**



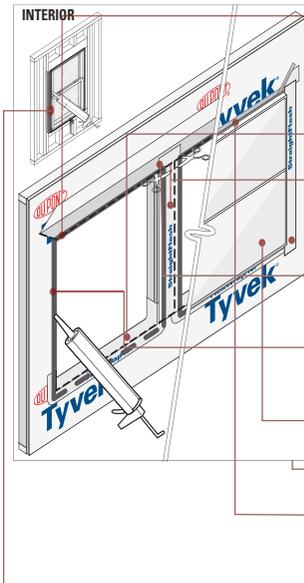
**Option 1: DuPont™ Tyvek® WRB Installed Before Metal Flashing**  
"Z" or "L" metal flashing installed over lower façade and fastened onto DuPont™ Tyvek® WRB with mechanical fasteners or DuPont™ Adhesive/Primer. Vertical leg of metal flashing terminated to DuPont™ Tyvek® WRB with DuPont Self-Adhered Flashing products with min. 2" adhesion to WRB and no WRB fasteners under metal flashing.  
**Option 2: Metal Flashing Installed During Installation of DuPont™ Tyvek® WRB**  
"Z" or "L" metal flashing fastened over lower façade and directly onto sheathing with mechanical fasteners or DuPont™ Adhesive/Primer. Vertical leg of metal flashing terminated to sheathing with DuPont Self-Adhered Flashing products with min. 2" adhesion onto sheathing. Next course of DuPont™ Tyvek® WRB installed with min. 2" overlap of self-adhered flashing. WRB terminated to self-adhered flashing using DuPont™ Tyvek® Tape or DuPont™ Residential Sealant.

**Brick Mold Door Installed After WRB**



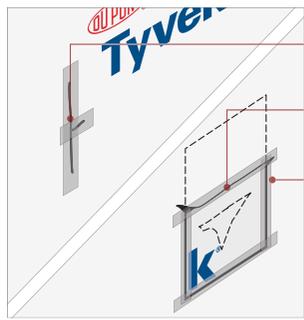
DuPont™ StraightFlash™ VF applied to interior side of door frame along jambs and head (head piece installed first).  
"1" cut WRB at rough openings with continuous horizontal cuts at head and sill. 45° cuts at window head extending min. 8" from corners. Flaps at jambs folded into the opening and secured. Head flap flipped up and secured DuPont™ FlexWrap™ NF installed at the sill extending min. 6" up jambs. Integrated back dam as applicable.  
Release paper removed from DuPont™ StraightFlash™ VF and flashing adhered at jambs and head.  
Door installed per manufacturer's specifications. Head flap trimmed 1-2" and secured overhead flashing with DuPont™ Tyvek® Tape or DuPont Self-Adhered Flashing products. **Optional:** drip cap installed with head flap lapped over drip cap.  
**Optional:** high pressure skirt installed to door frame prior to door installation for higher performance requirements.  
Full interior perimeter seal applied.

**Adjacent Integral Flanged Windows Installed After WRB**



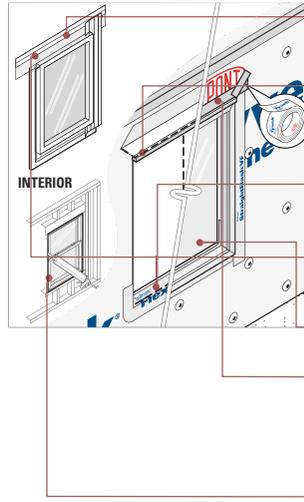
"1" cut WRB at rough openings with continuous horizontal cuts at head and sill. 45° cuts at window head extending min. 8" from corners. Flaps at jambs folded into the opening and secured. Head flap flipped up and secured.  
DuPont™ FlexWrap™ NF installed at each sill extending min. 6" up jambs.  
9" DuPont™ StraightFlash™ or DuPont™ Flashing Tape installed onto vertical framing; bottom edge aligned with sill, top edge extending 4" above head.  
Horizontal cuts in flashing along top of head to edge of vertical framing. Flashing flaps folded into rough opening and adhered to inside framing. Sealant applied to three sides of the window opening at jambs and head.  
**Optional:** Skip sealing at the sill for drainage.  
Window installed per manufacturer's specifications.  
DuPont™ StraightFlash™ or DuPont™ Flashing Tape applied over flanges at jambs and head. Head flap trimmed 1-2" and secured over head flashing with DuPont™ Tyvek® Tape or DuPont Self-Adhered Flashing products.  
Full interior perimeter seal applied.

**Repairing Tears/Holes in the WRB**



**Small Tears**  
Tears covered with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems products.  
**Holes Greater than 1"**  
Slit cut 2" above hole and extending 2" on each side of hole. Piece of DuPont™ Tyvek® WRB tucked into the slit to maintain proper shingling. Seams around DuPont™ Tyvek® WRB taped, working from bottom to top.

**Brick Mold Window Installed After WRB**



DuPont™ StraightFlash™ VF applied to interior side of window frame along jambs and head (head piece installed first).  
"1" cut at rough opening. 45° cuts at window head extending 8" from corners. Head flap flipped up and secured. Flaps at jambs folded into the opening and secured.  
DuPont™ FlexWrap™ NF installed at the sill extending min. 6" up jambs. Integrated back dam as applicable.  
Release paper removed from DuPont™ StraightFlash™ VF and flashing adhered at jambs and head.  
Window installed per manufacturer's specifications.  
Head flap trimmed 1-2" and secured over head flashing with DuPont™ Tyvek® Tape or DuPont Self-Adhered Flashing products.  
**Optional:** drip cap installed with head flap lapped over drip cap.  
Full interior perimeter seal applied.

**For more information visit  
[building.dupont.com](http://building.dupont.com) or call 1-866-583-2583**