DuPont™ Tyvek® Weatherization Products
Residential User’s Bulletin  – Field Installation Examples

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 jams and 9” of window head.
Vertical overlaps 6”-12” and horizontal overlaps min. 6”.

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® Self-Adhered Flashing Systems products, or DuPont® Residential Sealant

Integral Flanged Window Installed After WRB

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 Systems products.

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.

Sealing Penetrations – Flanged Products
Method 1
DuPont® Tyvek® WRB piece installed under bottom flange.
DuPont® Self-Adhered Flashing Systems 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 to expose flange.
DuPont® Self-Adhered Flashing Systems products installed at bottom, sides, and top of flanges.
Optional: DuPont® Residential Sealant applied around penetration.

For Air Barrier installations:
• All horizontal seams taped
• 3” Tape for DuPont® Tyvek® SuccoWrap®, DrainiWrap®, CommercialWrap® and CommercialWrap® D
• 2” Tape for DuPont® Tyvek® HomeWrap®

Seal all terminations at top and bottom of wall.
• Install ¾” 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)

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

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.weatherization.Tyvek.com, for complete information.
Sealing Penetrations – Beam Penetration

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. All horizontal and vertical seams taped with DuPont™ Tyvek® Tape.

Adjacent Integral Flanged Windows Installed After WRB

“T” 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 on 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 Systems 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.

Metal Flashing at Cladding Transitions

Option 1: DuPont™ Tyvek® WRB Installed Before Metal Flashing

2” or 1” 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 Systems 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

2” or 1” 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 Systems 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 Seals.

Brick Mold Door Installed After WRB

DuPont™ StraightFlash™ VF applied to interior side of door frame along jambs and head (head piece installed first).

“T” 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 over head flashing with DuPont™ Tyvek™ Tape or DuPont™ Self-Adhered Flashing Systems 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.

Brick Mold Window Installed After WRB

DuPont™ StraightFlash™ VF applied to interior side of window frame along jambs and head (head piece installed first).

“T” 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 Systems products. Optional: drip cap installed with head flap lapped over drip cap.

Full interior perimeter seal applied.

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For more information about DuPont Weatherization Systems, please call 1-800-44-Tyvek or visit www.weatherization.tyvek.com.