

A

General WRB Installation

- Extend the WRB at least 50.8 mm over the foundation ledge or exterior transition.
- Install from the lowest point upward in shingle fashion so each upper layer drains over the layer below.
- Orient the printed or designated exterior face outward.
- For drainable WRBs, ensure the drainage surface faces the exterior.
- Fastener type, spacing and penetration shall comply with the applicable Vantell product data, project wind-design requirements, substrate requirements and local building code. Unless otherwise specified, use cap fasteners with at least 12.7 mm penetration into the nail base, spaced approximately 305-457 mm along laps and up to 914 mm in the field.
- Maintain at least 152.4 mm at horizontal and vertical field seams. At outside corners and the illustrated vertical return, provide at least 304.8 mm. Stagger vertical field seams wherever possible.
- Tape all WRB seams with Vantell-approved seam tape and pressure-roll the tape for continuous adhesion.
- Keep the WRB and flashing drainage path open to the exterior. Use a sharp blade or scissors for clean cuts.
- Do not exceed the maximum UV exposure period stated in the applicable Vantell product data sheet.



INSTALLATION DIMENSIONS

- VWFAXW widths: 100, 150, 225 or 300 mm
- Horizontal overlap: 152.4 mm minimum
- Outside-corner / vertical return: 304.8 mm minimum
- WRB extension over foundation: 50.8 mm minimum

IMPORTANT

Verify this detail against the current Vantell product data, the window manufacturer's instructions, project specifications, and applicable building code before installation.

WINDOW OPENING DETAIL

General Wall Installation and Flanged Window Opening Details

1 Rough Opening



FIG 1 Cut the opening pattern.



FIG 2 Fold the tabs into the opening.

ROUGH OPENING NOTES

- Cut the WRB with a horizontal cut at the head, a vertical center cut, and diagonal cuts to both lower corners.
- Fold and fasten the sill and jamb tabs into the rough opening. Fold the head flap upward and secure it temporarily out of the way.

2 Sill Flashing



FIG 3 Install the first exterior-apron layer.



FIG 4 Add independent corner pieces.



FIG 5 Add and roll the full-depth sill pan.

SILL FLASHING NOTES

- Install Vantell VWFAXW self-adhered window flashing tape, or another Vantell-approved flashing membrane appropriate for the project, at least 76.2 mm below the sill and across the exterior face of the WRB. Cut at the jamb returns and wrap the remaining membrane into the sill.
- Reinforce both lower corners with Vantell Corner Guard or formed VWFAXW corner pieces. Then cover the full sill and extend the second layer at least 152.4 mm up each jamb.
- Extend flashing to the interior edge of the sill, slit the exterior corners as needed, adhere to the wall face, and pressure-roll every taped surface.

SILL PAN WIDTH: To meet or exceed the reference minimums, use at least VWFAXW-22523 (225 mm) for nominal 2x4 framing and VWFAXW-30023 (300 mm) for nominal 2x6 framing.

3 Sealant

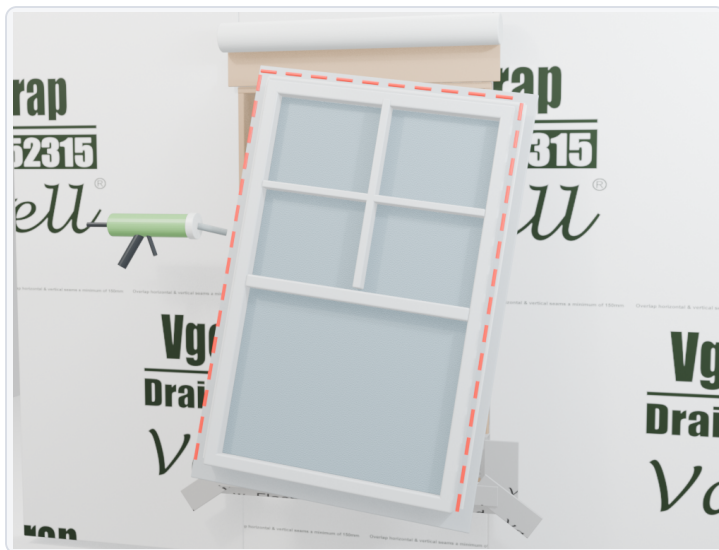


FIG 6 Apply sealant at the head and jambs only.

- Before setting the window, apply a continuous inverted-U bead of compatible exterior-grade sealant to the rear mating face of both jamb flanges and the head flange.
- Do not apply sealant along the sill. The bottom must remain open so incidental water can drain to the exterior.

4 Set Window



FIG 7 Set, level, fasten, and keep the sill open.

- Set the window into the rough opening. Confirm level, plumb, square, and required clearances.
- Fasten the window to the substrate in accordance with the window manufacturer's instructions.
- The sill flashing should remain visible below the bottom flange. Do not apply VWFAXW over the bottom flange; keep this drainage route open.

5 Jamb Flashing



FIG 8 Apply 100 mm VWFXW over both jamb flanges.

- Apply vertical VWFXW-10023 (100 mm) over both jamb flanges and onto the WRB.
- Extend each jamb strip approximately 76.2 mm above the window head and continue it downward to a point below the sill flashing.
- Pressure-roll the full length and correct fishmouths, wrinkles, or voids before continuing.

6 Head Flashing



FIG 9 Lap the head strip over the jamb strips.

- Apply VWFXW-10023 (100 mm) across the head flange and onto the exposed sheathing above.
- Extend the head strip beyond both jamb strips so the head flashing laps over the vertical flashing at each corner.
- Do not allow the jamb flashing to project above the head strip. Pressure-roll the complete head flashing.

7 Final Steps



FIG 10 Fold the WRB head flap down.



FIG 11 Tape and roll both upper corners.

- Fold the WRB head flap down over the head flashing in shingle fashion and smooth it flat.
- Bridge both upper corners with diagonal 100 mm VWFAXW patches. Pressure-roll each patch to achieve full contact.
- Inspect the completed opening for reverse laps, loose edges, wrinkles, fishmouths, and unsealed penetrations.

FINAL INSPECTION CHECKLIST

- Head flashing laps over jamb flashing at both upper corners.
- WRB head flap drains over the head flashing; no reverse laps remain.
- All tape is fully pressure-rolled with continuous adhesion.
- Bottom window flange and sill drainage route remain open.
- Where required by the window manufacturer or project air-control design, complete the interior perimeter air seal using a compatible sealant or approved interior window-sealing product.

PROJECT NOTE

These illustrations describe the Vantell window opening installation sequence. Confirm final fastening, sealant compatibility, flashing widths, and opening details with the current project documents and window manufacturer.