

NEW CONSTRUCTION NAIL FIN WINDOW INSTALLATION GUIDE

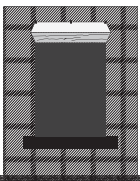
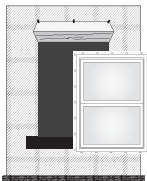
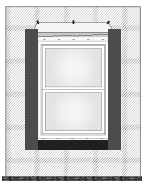
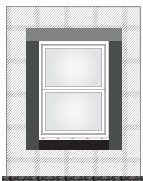
Preparing the Opening

- Verify the rough opening (RO) to be plumb, level, square. RO should measure 1/2" larger than width and height of the window it will receive.
- Flash sill according to flashing instructions. See Basic Flashing Procedure, Step 1.
- Lay fiberglass insulation along rough opening sill and staple in place. Be careful not to over insulate. Note: Low expanding foam insulation can be used around windows as an alternative to fiberglass. When using foam insulation around windows, you must be sure that it is installed in accordance with the manufacturer's instructions. Over insulating with foam can cause the window to operate incorrectly.

Installing the Window

1. Apply a 1/4" bead high-quality sealant (ASTM C920 certified) to the back side of the window's nail fin at the top and two sides, align with pre-punched nail slots. Add a discontinuous bead to bottom nail fin, leaving a 2-inch gap on either side of the window, about 6 inches in from each edge. When the width is over 36", add a third gap in the middle.
For Non-Integral Nail Fins, Vinyl Windows with Casing, and Majesty Folding Nail Fin sealing details see Key Note A, B, and C.
2. Center the window within the rough opening by installing 1/4" shims between the rough opening and the bottom of the window. Place shims 1" in from each corner, then every 12-16" across the sill. Shim at fastening points and where needed to ensure the window is plumb, level, and square. Shimming may be necessary to align sight lines between the sash and frames, as well as to properly align the window in the opening.
3. Use corrosion-resistant roofing nails or washer head screws of sufficient length to penetrate the framing member by at least 1-1/2". Secure one corner of the unit through the pre-punched holes in the nail fin, leaving the nails loose for adjustments. Check that the frame is plumb, level, and square. Shim at fastening points and as needed for alignment.
See Product Specific Notes for detailed sight line guidance and additional fastening instructions. Nail guns not recommended.
4. Continue fastening top and side fins through every other pre-punched nail slot, ensuring the window is square in the opening. Check site lines. Nail sill fin last, making sure unit is level along entire length.
5. Complete fastening the unit by securing it through the jambs using the installation screws supplied.
Vinyl Windows: Apply installation screws through the fastening holes located at the top and bottom jambs. Top holes can be accessed by carefully tilting bottom sash in towards home, followed by removing the bottom sash balance covers. Once top screws are installed, re-install balance covers.
Majesty Double Hung Windows: Apply installation screws through fastening holes located at top, middle, and bottom of jambs. Tilt bottom sash in to screw through center hole and install caplugs provided to cover screws.
6. Insulate to fill the space between the window frame and RO. See **Key Note on Insulation.**
7. Apply a heavy bead of sealant between the bottom of the rough opening and the bottom of the window, running the width of the window and extending 6" up each side, filling the gap between the bottom of the window and the rough opening. This process will create a back dam to help prevent water penetration at the sill.
8. Finish flashing installation steps 3 and 4 according to flashing manufacturers' recommendations.

Basic Flashing Procedure

STEP 1	STEP 2	STEP 3	STEP 4
			
Flash the sill on bottom of the opening	Install window set in sealant	Flash jambs at sides of opening over nail fin	Flash head over top nail fin (6" wide flashing recommended)

Flashing Lengths	Legend
Sill Flashing: RO" + (2 x flashing width)	RO: Rough opening
Jamb Flashing: RO" + (2 x flashing width) -1"	RO" : Rough opening horizontal width
Head Flashing: RO" + (2 x flashing width) +2"	RO": Rough opening vertical height

Key Notes for a Successful Install

- A - All non-integral nail fin on vinyl windows:** Prior to installation, seal the applied (non-integral) nail fin to the window by applying a continuous bead of high-quality sealant to the back side of the nail fin where it meets the window frame. After installation, seal all corners of mechanically jointed frames and applied nail fin to seal frames and seam joints.
- B - Windows with applied casing:** If the window is supplied with the optional applied flat casing or 908/brick mold casing, a secondary seal should be applied. Prior to installation, apply a continuous bead of high-quality sealant to the back side of the nailing flange where it meets the window accessory at the top and sides. On the bottom, apply a discontinuous bead, leaving a 2-inch gap on either side of the window, about 6 inches in from each edge. When the width is over 36", add a third gap in the middle.
- C - Majesty folding nail fin:** See supplemental instructions with corner pads for Majesty folding applied nail fin application.

Insulation: Care must be taken to not over fill the void between the RO and the window frame when using low compression injected foam insulation. Understand the expansion properties of the foam you are using and apply only enough foam to fill the void. Avoid over filling the void as this can cause the window frame to deflect and impede the window's operation.

Product Specific Notes

- Double Hung and Rolling Windows:** Slightly open the sashes to get a sight line that will help square the window. For larger units, it is recommended that the sash be removed before installation. Reinstall sashes to verify sight line before finishing.
- Casements and Awnings:** Verify that the margin between sash and master frame perimeters is uniform on all four sides when slightly open.

Vinyl Rolling Windows: The rough opening must be plumb, level, square. The sill must be flat, level, and fully supported across entire width to ensure proper alignment of the sash locks and keepers. Use a continuous shim or individual shims spaced no more than 6" apart along the sill, ideally under each sash roller. Keep drainage holes free of obstructions.

Common Jamb Units: Install shims under common jamb mull posts to secure.

Vinyl Mullied Units: Mullied frames will come provided with metal straps located along the top and bottom of the frame. Straps should also be used to secure mullied units within the rough opening.

Majesty Casement and Awning Windows: Pre-drill for fastening 1/3 of the way down from the top and 1/3 of the way up from the bottom. Install unit using screws or 8D galvanized finish nails through the window interior frame.

On operating casements and awnings, screws/nail should be applied through the screen track cavities. On all other Majesty wood windows, pre-drill holes along jambs and apply installation screws.

Majesty Product Finishes: All wood surfaces must be finished and sealed within 48 hours of installation.

VERY IMPORTANT: General Practices

Prior to Finishing: Check the operation of all windows to ensure proper operation. Do not install or finish off windows and doors if damaged, if visual issues are present, or operation is in question unless instructed to do so by Harvey Windows + Doors.

Using Shims: It is recommended to use shims made of durable plastic or other suitable material which does not compress or degrade over time.


Storage and Protection: Harvey windows and doors shall be stored upright on a flat surface, off the ground, out of the weather in a clean dry, low traffic area that is not subject to damage. If windows and doors are stored outside, they should not be stored in direct sunlight and not stacked against each other. Windows and doors should not be stored in shipping containers unless the climate can be controlled. Remove all protective films from painted surfaces and non-permanent labels prior to 30 days after installation.

Installation tip: Maintain a minimum of 3/16" between exterior of window/door frame and any trim, masonry, or siding.


Suggested Tools: Safety glasses, gloves, screw gun, tape measure, level, squaring pole, ASTM C920 certified sealant, insulation, corrosion-resistant roofing nails or washer head screws, minimum 6-inch flashing tape.

Initial Quality: Claims against initial quality must be submitted within 30 days from the manufactured date.

Screens: Provide reasonable insect control and are not intended to provide security or for the retention of a persons or object from the interior.



Scan the QR code for Non-English and additional instructions. Escanee el código QR para obtener instrucciones que no estén en inglés.



Scan QR code for our ENERGY STAR compliant installation center and for best practices for window removal.



Visit us online at www.harveywindows.com/install.

Failure to follow these instructions may result in this window unit not performing up to Harvey's specifications for its intended use. All warranties may also be voided.

