

NEW CONSTRUCTION NAIL FIN WINDOW INSTALLATION GUIDE

Preparing the Opening

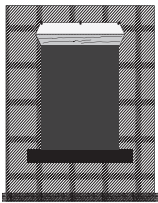
- Verify the rough opening (RO) to be plumb, level, square. RO should measure 1/2" larger than width and height of the window it will receive.
- Flash sill according to flashing instructions. **See Basic Flashing Procedure, Step 1.**
- Lay fiberglass insulation along rough opening sill and staple in 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 as an alternative to fiberglass, 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 3/16" to 1/4" bead high-quality sealant (ASTM C920 certified) to the back side of the window's nail fin in line with the pre-punched nail slots. **See Key Note A and B for further sealing details.**
2. Center window in opening, resting bottom of unit on the sill plate, making sure the sill is level. If sill is not level, shim as needed.
3. Using 1-3/4" roofing nails or washer head screws, secure one corner of unit by nailing through the pre-punched holes in nail fin. Leave nails loose to make adjustments if necessary. Check that the frame is plumb, level, square. Shim where needed. Nail guns not recommended.
4. Continue nailing top and side fins through every other pre-punched nail slot, making sure window is square in the opening. Check site lines. Nail sill fin last, making sure unit is level along entire length.
5. Using installation screws supplied, secure window utilizing the pre-drilled holes along window jambs on all vinyl products and Majesty double hung windows and shim as needed. Do not over-tighten screws. **See Key Note accessory Majesty windows.**
6. Insulate to fill the space between the window frame and RO. **See Key Note on insulation.**
7. Finish flashing installation (Steps 3 and 4).

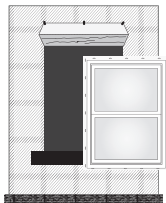
Basic Flashing Procedure

STEP 1



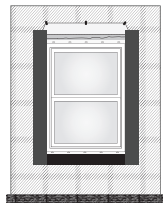
Flash the sill on bottom of the opening

STEP 2



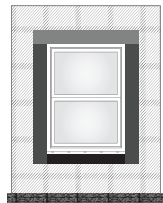
Install window set in sealant

STEP 3



Flash jambs at sides of opening over nail fin

STEP 4



Flash head over top nail fin (6" wide flashing recommended)

Flashing Lengths

Sill Flashing: $RO^W + (2 \times \text{flashing width})$
 Jamb Flashing: $RO^H + (2 \times \text{flashing width}) - 1"$
 Head Flashing: $RO^H + (2 \times \text{flashing width}) + 2"$

Legend

RO: Rough opening
 RO^W: Rough opening horizontal width
 RO^H: Rough opening vertical height

Key Notes for a Successful Install

A: All Majesty windows and vinyl windows that have applied nail fin: Prior to installation, seal the window 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. Apply a continuous bead of high-quality sealant to the back side of the nailing flange where it meets the window accessory.

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 4 sides when slightly open.

Vinyl Rolling Windows: The rough opening must be plumb, level, square. The sill of the window must be flat, level and supported across the entire width of the RO to insure alignment of the sash locks and keepers for proper operation. Use a continuous shim across the entire width of the RO, or use individual shims at the sill across the entire width of the opening to provide a level RO sill; space shims no more the 6" apart along the sill and ideally located below each sash roller. Drainage holes must be kept free of obstructions.

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

Majesty Casement and Awning Windows: Pre-drill for screwing/nailling 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. Shimming is recommended to align sight line margins between window sash and frames, as well to align the window plumb, level, square within a rough opening.

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.

Initial Quality: Claims against initial quality must be submitted within 90 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.



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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.