

S-SERIES NEW CONSTRUCTION WINDOWS

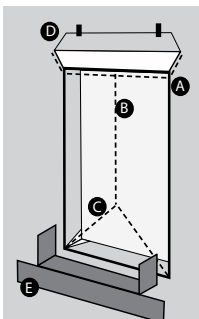
Rough Opening Preparation

① Rough opening must be square and 1/2" larger than the window body (not the nail fin) in both width and height.

② The sill should be level. Adjust the sill plate or, if the sill needs to be shimmed, shim should be continuous and unbroken so it will support the entire sill of the window. Test-fit the window.

③ Cut, fold, and staple weather-resistant barrier **A**, **B**, **C** and then temporarily tape the top flap up as shown **D**.

④ Prepare sill-flashing so that it also extends up both jambs approximately 8". Slice the flashing so that the flashing can be folded down to lap the exterior face surface of the opening **E**.



IMPORTANT:

Always lift vinyl windows at jambs for added safety and prevention of component damage. Do not drag windows. Stack no more than five windows against each other. Store windows in a near vertical position; never lay flat. Remove the shrink-wrap and store in a cool, shaded area. Extreme heat or direct sunlight can cause uninstalled windows to warp.

IMPORTANT:

Weep holes direct moisture out of the window frame and must be placed at the sill area on the exterior of the opening.

CAUTION:

Always use appropriate assistance to lift and place large units so as to avoid possible personal injury or product damage.

Window Installation

① Apply high-performance sealant around the exterior perimeter of the rough opening at the head, jambs and sill—where the nail fin of the window will contact the exterior surface.

NOTE: For an air- and water-tight installation, all surfaces that will contact the sealant should be clean, dry, and free of debris. For any window re-installation, remove and re-apply sealant.

For Trim Casing Option: It is recommended that a second bead of high-performance sealant be applied under nail flange of the trim casing or 3.5" around perimeter of rough opening at the head, jambs and sill. When using the trim casing with bull nose sill, apply the bead of high-performance sealant 1.75" below opening at the sill.

② From the exterior, place the window into the rough opening. Center it in the opening leaving a 1/4" gap on each side.

IMPORTANT: Leave a minimum of 1/4" gap between the frame and masonry or brick cladding material for expansion and settling.

③ Press the window firmly into the sealant. Loosely fasten one of the upper corners.

④ Shim to hold the frame in place. Shim at the bottom of the jambs at the sill to keep the window centered during adjustments.

⑤ Check the frame jambs for level, straightness and plumb. Diagonal measurements should be within 1/16" to be sure the window is square in the opening.

⑥ Shim to hold any frame adjustments. Make sure the window is not twisted in the opening.

IMPORTANT: When installing casement windows, shim the casement window lock and hinge jambs to prevent bowing.

⑦ Check the sash reveal. The gap between the operable sash and the frame when the window is almost closed should be even along the opening.

⑧ Use roofing nails or #8 corrosion-resistant screws that can be run a minimum of 1" into the rough framing. Fasten the window to the opening at each corner and in every other nail slot.

For Metal Studs: Use #8 pan-head style, corrosion-resistant screws with a sharp point. Screws must penetrate the metal stud by 1/4".

For Trim Casing Option: Use roofing nails or #8 corrosion-resistant screws that can be run a minimum of 1" into the rough framing. Fasten the window with trim casing to the opening at each corner and in every other nail slot.

The use of supplied #8 screws for the installation holes located on interior balance slots are required on S-Series windows with trim casing. The screws should be fastened through pre-drilled holes in the frame jambs and shimmed at each fastener location.

CAUTION: Do not fasten through the window frame sill. This will decrease the window performance.

Sealing & Finishing

① With the window fastened in place, apply flashing to the jambs and then the head. Jamb flashing must overlap the sill flashing. Head flashing must overlap the jamb flashing and jamb flashing must stop short of the head flashing height by at least 1". Flashing must completely cover the nailing fin and butt tightly against the window frame body.

Weather-resistant barrier applications: Fold house wrap flap down over the flashing at the head. Tape the lower edge of the wrap along the window frame head first and then along the diagonal edges of the flap.

② Apply exterior trim and/or exterior cladding. **IMPORTANT:** Do not block any exterior weep holes at the sill.

③ Apply a bead of sealant around the entire window, between the frame and the exterior trim/cladding material that is clean and free of debris. Leave a 1/4" gap between the window frame perimeter and building facing material for sealant. Use foam backer rod to support a 1/4" diameter bead (optimal) of sealant between the window frame and building facing. Be sure the sealant material is compatible with the PVC frame and the adjoining stucco, brick, wood siding, vinyl siding, or other material.

④ Tool the sealant to remove any air bubbles and to resist moisture access.

⑤ Use pre-cut strips of fiberglass insulation to insulate the space around the perimeter of the interior of the window. Do not overpack or use spray-in type foam unless approved by Viwinco (see Viwinco.com for details).

⑥ Trim out the interior of the window. Do not block weep holes.

Installation in Masonry & Brick Veneer Walls

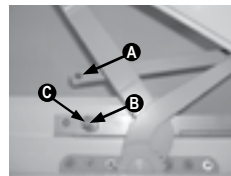
① When using wood bucks, follow the procedure described for frame walls.

② Must use J-channel pocket filler for installation. Leave a 1/4" gap between the window frame perimeter and building facing material for sealant. Use foam backer rod to support a 1/4" diameter bead (optimal) of sealant between the window frame and building facing. Be sure the sealant material is compatible with the PVC frame and the adjoining stucco, brick, wood siding, vinyl siding, or other material.

③ Must have additional drip cap installed in unit.

Casement New Construction Windows:

If needed, adjustments can be made at the top and bottom of the sash to move the sash slightly to the right or left on the sash arms for improved alignment to the frame sight line. At the sill, snap the sash arm **A** off of the glide-track stud **B**, adjust the nut with a 7/16" wrench, and **C** snap the sash arm back onto the glide-track stud. Repeat at head.



CAUTION: Do not screw through the sill, as doing so will decrease the window performance. Secure with trim or structural adhesive.

Tilt-n-Lock

For S-Series Hung Windows

Here's how it works:

The cam-lock has three positions—locked, unlocked and tilt-release. Each step functions smoothly with a positive stop.



Locked Position
The sash is securely locked, and hidden tilt latches are secure in the sash channel.



Unlocked Position
When you move the cam lock lever to unlock position at 150 degrees, the hidden tilt latches are securely engaged with the jamb, and you can lift the sash.



Tilt-Release Position
When you move the lever to the second position at 180 degrees, the hidden tilt latches are retracted to clear the jamb channel; the sash tilts toward you easily.

IMPORTANT: Viwinco will not be responsible for finishing imperfections. Viwinco will not be responsible for damage from unapproved finishes or cleaning chemicals, which may cause adverse reactions to window or door materials. If in doubt, contact your local Viwinco Sales Representative. Unapproved product modifications will void all warranties. Application of after-market window films can cause glass breakage due to thermal stresses. Application of such films will void all glass warranties.

Seek advice from sealant manufacturer, EIFS manufacturer and EIFS designer when installing any product that penetrates an EIFS structure.

Check your local building codes before installation. Local building code requirements replace these recommended installation instructions. Improper installation and care may void warranty.

CAUTION: Caustic or abrasive cleaners, silicone-based solvents, petroleum- or silicone-based lubricants, or insecticides on or near frame or sash surfaces may damage or discolor the PVC.

WARNINGS:

- Limited sash stops or nite vents are for convenience only and are not intended to provide security.
- Viwinco window and door insect screens are intended only for insect control. They are not designed as a safety barrier or to restrain children.
- Drilling through window frame or sash for security system installation will decrease the window performance.
- Safety glass must be specifically ordered. Broken glass can fragment and cause injury. Many laws and building codes require safety glass to be used under certain conditions.
- The manufacturer assumes no responsibility for failure, damage or injury resulting from inadequate or improper installation, inappropriate product care, or use in applications that exceed product rating. See the product warranty for additional conditions and limitations.

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P.O. Box 499 • 851 Hemlock Road

Morgantown, PA 19543-0499

Visit us at www.viwinco.com

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