

**4-PANEL**

# **Knock Down Patio Door**

---

## **Assembly Instructions**

*For Viwinco Non-Impact and Impact Doors*

### **IMPORTANT NOTES BEFORE YOU BEGIN**

**For proper installation and your protection, review the full instructions before starting.**

**The instructions cover:**

- Product Specific Installation and Assembly: Consult full installation instructions and manufacturer guidelines for proper installation. Go to [www.viwinco.com/installation-guides/](http://www.viwinco.com/installation-guides/) for all installation guides.

**For water management, flashing, WRB integration, and standard installation practices, follow:**

- ASTM E2112, FMA/AAMA 100, 200, and FMA/WDMA 250 for windows
- ASTM E2112, FMA/AAMA/WDMA 300, 400 for doors, as applicable

**Follow all local building codes. For Florida approvals, reference the FL# on the NFRC label and visit [www.floridabuilding.org](http://www.floridabuilding.org) for approved engineering.**

**For helpful “HOW-TO” videos for our patio doors, please scan this QR code.**





# TABLE OF CONTENTS

**GETTING STARTED ..... 1 - 2**

- THE IMPORTANCE OF LEVEL, SQUARE, AND PLUMB INSTALLATION
- BEFORE YOU USE SPRAY FOAM: READ THESE REQUIREMENTS
- REQUIRED MATERIALS
- SHIMMING
- MODIFICATIONS & FILMS
- EIFS INSTALLATIONS
- PRODUCT CARE
- SAFETY AND HANDLING
- PRODUCT STORAGE
- WATER PROOFING

**MATERIALS..... 3**

**FRAME ASSEMBLY & INSTALLATION ..... 4 - 5**

**DOOR ASSEMBLY ..... 6 - 9**

**KEYED HANDLE ASSEMBLY & ASTRAGAL INSTALLATION ..... 10 - 11**

## SPANISH INSTRUCTIONS AND ONLINE INSTALLATION GUIDE

For Spanish instructions or to view the full installation guide online,  
scan the QR code or visit: [www.viwinco.com/installation-guides/](http://www.viwinco.com/installation-guides/)

Para ver las instrucciones en español o consultar la guía completa de instalación en línea,  
escanee el código QR o visite: [www.viwinco.com/installation-guides/](http://www.viwinco.com/installation-guides/)



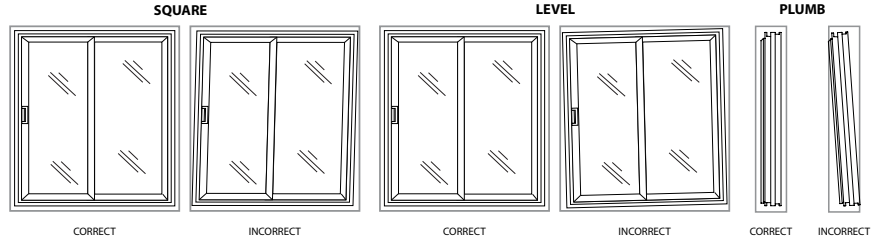
# GETTING STARTED

Before beginning installation, carefully read through all instructions to ensure proper procedures are followed. Failure to install the product correctly may result in damage that is not covered under the product warranty. Following these guidelines is essential to maintain warranty protection and ensure long-term performance.

## THE IMPORTANCE OF LEVEL, SQUARE, AND PLUMB INSTALLATION

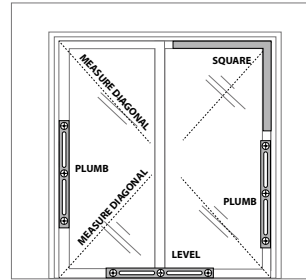
Proper patio door installation is very important. Making sure the door is level, square, and plumb ensures they function as they should for the following reasons:

- The door will open, close, and lock smoothly
- A proper seal helps prevent air and water leaks
- The frame and hardware won't be under unnecessary stress
- Energy efficiency is maintained
- Reduces the risk of glass cracking or fogging
- The finished install looks clean and professional



## CHECKING LEVEL, PLUMBNESS, AND SQUARENESS

- **Level:** The head and sill must be level or brought level across the width of the opening. Viwinco **recommends against** the use of shims under the threshold or bottom track of the door system. Door sill must also be level and not slope to the interior of the home when checked from inside to out.
- **Plumb:** To check a door opening for plumb in both vertical planes, hold a level against each jamb—first along the face and then along the edge—to ensure both sides are straight and perfectly upright.
- **Square:** Measure corner to corner in both diagonals, both measurements **should be equal**.
- **Cross-Check Jamb for Plane:** Use diagonal cross string technique, a laser, or straight edge that can span the opening to verify that both legs of the jamb opening are parallel and in plane with one another.
- **Recheck:** Confirm level, plumb, square, and consistent door reveals vertically and horizontally after fastening.



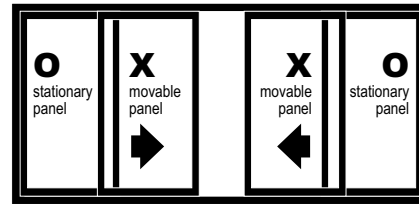
**IMPORTANT:** Avoid “crowning” or “smiling” at the sill or head. Keep jambs parallel and equal in width. Any bowing or unevenness will affect door operation. Ensure the head and sill are completely level for proper performance.

## BEFORE YOU USE SPRAY FOAM: READ THESE REQUIREMENTS

Viwinco does not recommend the use of spray foam on our patio door systems. If you elect to use an expanding spray foam, the following should be considered:

1. Only low-expansion (“low pressure”) polyurethane foams explicitly designed for window and door installations should ever be used. Under no circumstances should high-pressure, high-expansion or latex foams be used.
2. **Application Volume & Method:** A bead of foam approximately 1" deep should be applied around the interior side of the door frame (approximately 1" from the frame wall), leaving adequate room to permit foam expansion. Do not fill the full depth of the cavity between the door frame and rough opening. Overfilling voids can lead to frame bowing, distortion, and impaired operation of the door.
3. **Curing & Trim:** Allow the foam to fully cure (per the foam manufacturer’s instructions). After curing, remove any excess “squeeze-out” with a serrated knife or similar, taking care not to damage the frame.
4. **Compatibility and Compliance:** The installer is responsible for reading and following both (a) the door manufacturer’s installation instructions, including any frame-gap, shimming, and sealing tolerances, and (b) the insulation foam manufacturer’s application and safety guidelines (e.g., expansion rate, curing time, temperature).
5. **Risk Acknowledgment:** The installer acknowledges that improper use of spray foam (e.g., overfilling, using non-approved foam) can result in frame distortion, degrade door performance, impair operation, or otherwise compromise the installation. Further, any such damage or impairment arising from incorrect foam application is the installer’s responsibility; Viwinco disclaims liability for issues caused by the misuse of insulating foam.
6. **Warranty Implications:** Use of improper insulation or application outside of the manufacturer-specified method may void or reduce warranty coverage, particularly for issues related to frame geometry, operational performance, or seal integrity.

## PATIO DOOR HANDING



## REQUIRED MATERIALS

- Flat, high-impact, non-compressible composite shims
- Use non-corrosive fasteners long enough to penetrate the substrate a minimum of 1.5", or as required by engineering specifications and applicable building codes.

## INSTALLER MUST VERIFY SEALANT FOR ADHESION AND COMPATIBILITY WITH EVERY INSTALL

## SHIMMING

- Use flat composite shims.
- Place shims at each fastener location to provide consistent support.
- Ensure the door is plumb, level, square, and true before fastening.
- Do not use wood or irregular shims, as they can compress or deteriorate over time.
- Improper shimming can cause operational issues and may void the warranty.

## MODIFICATIONS & FILMS

- Any changes or alterations made to the product or its design will void all warranties. The installation of third-party accessories, whether attached to or integrated into the product in any manner, will also void all warranties. Additionally, applying aftermarket films to the glass may cause the glass breakage and will void all glass-related warranties.

## EIFS INSTALLATIONS

- Consult your sealant, EIFS manufacturer, and EIFS designer before installing into EIFS structures.

## PRODUCT CARE

- Avoid caustic/abrasive cleaners, silicone or petroleum-based products, and insecticides near vinyl surfaces—they may cause damage.

# GETTING STARTED

## SAFETY AND HANDLING

**WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE) AT ALL TIMES DURING INSTALLATION.**

- Lift with two or more people; OceanView Impact doors are extremely heavy. Do not drag or drop.
- Keep upright and fully supported to prevent frame distortion.
- In cold weather, handle carefully—vinyl parts may become brittle.
- Inspect for damage or missing parts before installation.
- Wear gloves and safety glasses when handling glass.
- Do not drill into the frame or sash; this reduces performance and voids the warranty.

## PRODUCT STORAGE

- Store indoors on a clean, level surface in a cool, shaded area. Do not store outside.
- Remove all stretch wrap before storing; heat or sunlight can cause warping.
- Avoid exposure to moisture or temperature extremes.

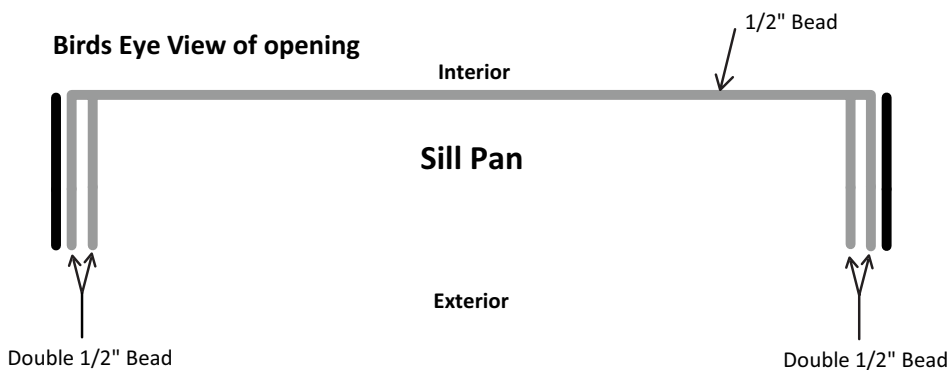
## SILL WATER PROOFING

**IMPORTANT: INSTALLER IS RESPONSIBLE FOR CORRECT APPLICATION.**

**VIWINCO DOES NOT WARRANT ANY WATERPROOFING METHOD.**

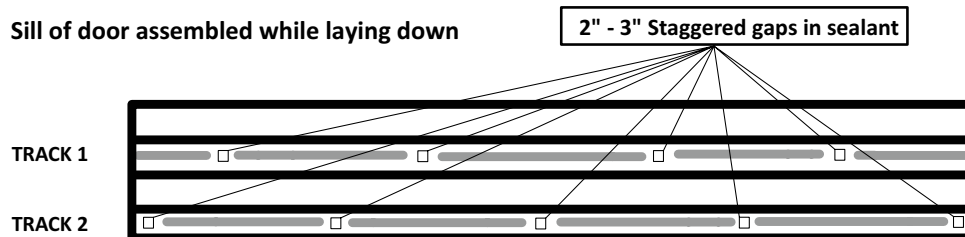
1. Dry fit the frame and mark the perimeter. Apply sealant to create a “U”-dam at the pan.
2. Lay a 1/2" bead of sealant as shown in the diagram below.

**IMPORTANT: SILL PANS MUST BE USED, AND PROPER WATERPROOFING MUST BE APPLIED TO BOTH THE SILL PAN AND THE DOOR FRAME. DO NOT SEAL THE EXTERIOR BETWEEN THE FRAME AND THE PAN.**



3. Build a continuous line of sealant on each track, leaving 2" – 3" gaps to allow for proper weep paths.
4. Cover each fastener hole with sealant, as shown in the diagram below.
5. When setting the frame, roll it into the opening and set it in place. **DO NOT SLIDE.**

Sill of door assembled while laying down



# MATERIALS

## Materials Supplied (Packing List)

- 1 Frame Head
- 1 Frame Sill
- 2 Jambs  
(1 right jamb and 1 left jamb)
- 1 Vinyl Sill Riser
- 1 Fixed Panel Interlock
- 4 Aluminum Fixed Snubbers for Jamb 30"
- 4 Fixed Panel L-Brackets
- 1 Aluminum Threshold Cover
- 1 Jamb Cover - stock length/field fit
- 1 Screw Snap Cover for Interlock
- 2 Fixed Door Panel
- 2 Operable Door Panel with Interlock
- 4 Sash Stops
- 1 Head Cover
- 1 Packet of Assorted Screws  
(see selection of screws below)
- 4 Screw Snap Covers
- 2 Box with Handle Kit Set
- 1 White Silicone Tube  
(Frame Assembly and Fixed Jambs)

### For OceanView Patio Doors Only

- 2 Additional Aluminum Fixed Snubber for Head 15"
- 1 Interlock Bracket

## Tools/Equipment Needed

- Tape Measure
- 4' Level
- Power Drill
- Phillips Head Bit
- Caulk Gun
- OSI Quad Max
- Rubber Mallet
- Plastic Shims  
(breakaway type horse shoe shims are ideal)
- Suction Cups - Used to install door panels into jamb on impact doors
- Step Ladder
- Wire Cutters or Tin Snips
- Sill Pan
- 2 Clamps

## Handle Kit Set



Handle Kit - non-keyed



Handle Kit - keyed

## Assorted Screws



**Frame Screws**  
#8 - 2-1/2" x 12  
(3 per corner) Pan Head



**Installation Screws**  
#8 - 2" x 8  
Flat Head Self-Drill



**L-Bracket Screws**  
#8 - 3/4" x 24  
Flat Head



**Interlock Screws**  
#8 - 1" x 20  
Pan Head Self-Tapping



**Strike (Keeper) Screws**  
#10 - 3/4" x 2  
Pan Head



**Interlock Brackets**  
Screw #8 - 1" x 8  
Flat Head Only for Impact Door



**Nylon Bracket Screws**  
#8 - 1-1/2" x 12  
Flat Head Self-Tapping Only for Impact Door



**Jamb Cover Screws**  
#6 - 3/4" x 20  
Phillips Flat Head



**Sill Riser Screws**  
#6 - 1-1/4" x 30  
Phillips Flat White Head Self-Drill

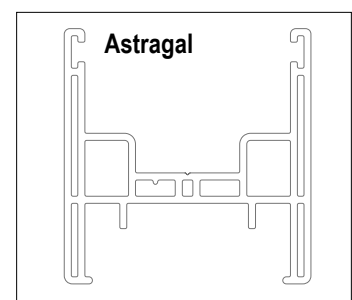
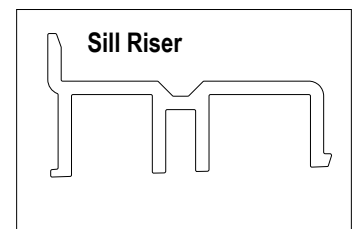
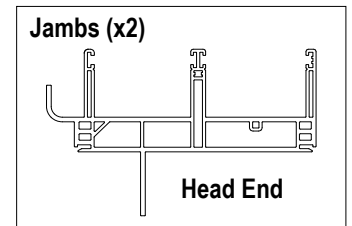
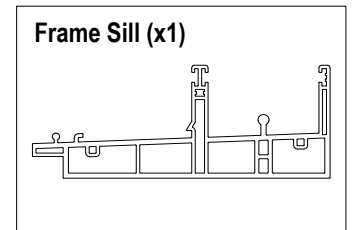
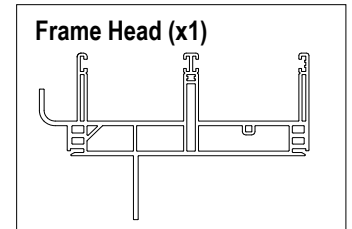


**Astragal Screw**  
#8 - 2" x 24  
Flat Head Self-Drill



**Screw Snap Covers x 4**

## Profiles



# FRAME ASSEMBLY & INSTALLATION

## 1. Unbox and Inspect all KD components

Lay all parts out on a flat surface and verify the correct unit, panel count, handing, and that no shipping damage is present.

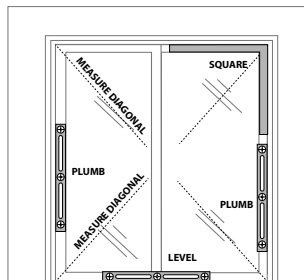
**NOTE: REFER TO PACKING LIST TO ENSURE THAT ALL LISTED MATERIALS ARE INCLUDED.**

## 2. Rough Opening Check and Dry Fit

Prior to applying any sealant or permanent fasteners, **verify the rough opening is the correct size and the sill is level.**

**Dry Fit** - Confirm the correct sill, head, and jambs are matched to the door unit and oriented properly. Verify mull posts (if applicable) are correct and fully seated. Temporarily assemble the frame to check overall fit, squareness, diagonal measurements, track alignment, and panel configuration.

**MAKE ANY NECESSARY CORRECTIONS BEFORE FINAL ASSEMBLY.**



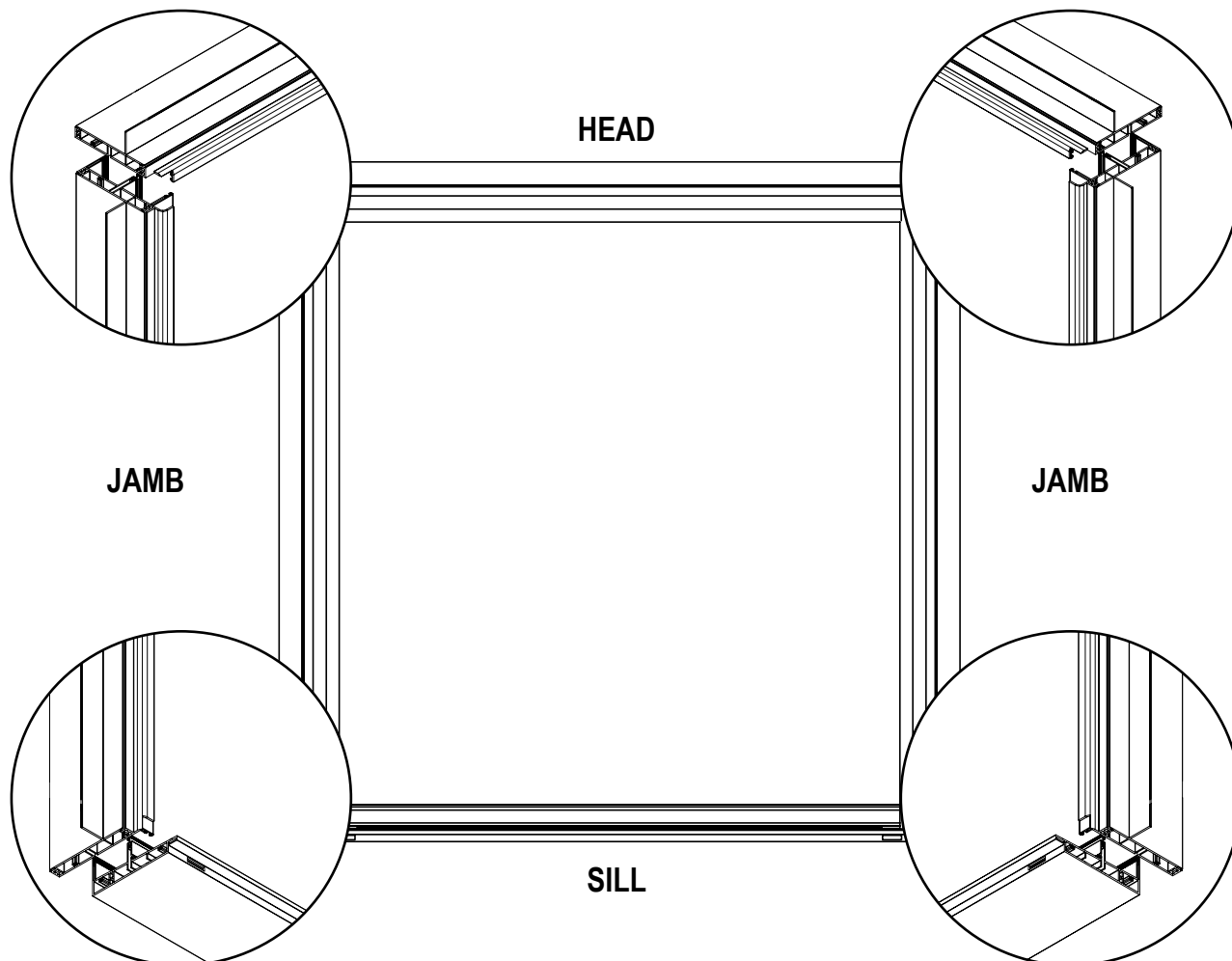
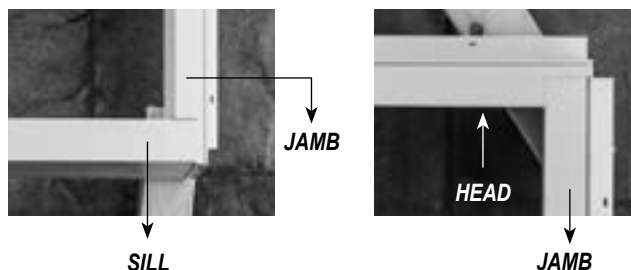
**IMPORTANT:** Avoid “crowning” or “smiling” at the sill or head. Keep jambs parallel and equal in width. Any bowing or unevenness will affect door operation. Ensure the head and sill are completely level for proper performance.

## 3. Frame Assembly

After completing the dry fit, lay out the frame components on a flat surface, ensuring the sill, head, jambs, and mull posts (if applicable) are properly aligned and oriented. Verify all components are matched correctly to the door unit and seated fully. Refer to the profile images on the previous page to confirm proper component orientation and alignment prior to applying sealant and final fastening.

**WHEN ASSEMBLING THE FRAME MAKE SURE YOU ATTACH THE LEFT AND RIGHT JAMB TO THE CORRECT SIDE OF HEAD AND SILL.**

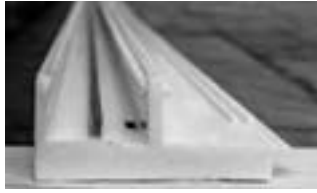
**IMPORTANT! BE SURE YOU CLEAN ANY DIRT OR DEBRIS FROM THE END SURFACES OF THE JAMBS.**



# FRAME ASSEMBLY & FRAME INSTALLATION

## 4. Frame Gaskets

Frame gaskets are factory-installed at the plant. Verify that both sill gaskets are present, properly seated, and free of damage before proceeding.



**IMPORTANT: DO NOT PROCEED WITH INSTALLATION IF THE GASKETS ARE MISSING OR DAMAGED. CONTACT YOUR SALES REPRESENTATIVE.**

**IF SILL GASKETS ARE NOT PRE-INSTALLED, MAKE SURE TO INSTALL THEM AS SHOWN IN THE IMAGE.**

## 5. Sealant Application – Head and Sill



**APPLY A CONTINUOUS BEAD OF OSI QUAD MAX (RECOMMENDED) TO EACH END CUT OF THE HEAD AND SILL.**

## 6. Attaching Jamb to Sill and Head

Start by hand-threading three #8 x 2-1/2" frame screws into each end of the jamb. This allows for proper alignment and helps prevent damage to the sill gasket during fastening.



**IMPORTANT NOTE: DO NOT OVER-TIGHTEN THE SCREWS. OVER-TIGHTENING MAY CRUSH THE VINYL FRAME MEMBERS AND DAMAGE THE FRAME. BE SURE TO ALIGN AND USE ALL THREE SCREW HOLES AT ALL FOUR LOCATIONS.**

## 7. Silicone Application – Frame Joints



Apply a continuous bead of polymer sealant, such as OSI Quad Max (or equivalent), around all head to jamb and sill to jamb butt joints to ensure a watertight seal.

## 8. SILL PAN INSTALLATION REQUIRED!

Once the frame has been verified as level and square, and any required modifications have been completed, install a sill pan. **The sill pan must be installed according to the manufacturer's instructions and industry standards. Failure to properly install a sill pan may void the product warranty.**

## 9. CRITICAL: WATER DRAINAGE SYSTEM

After the sill pan is installed and the sealant has cured, refer to Page 2 – Sill Waterproofing Section to properly prepare the sill pan. Create a water drainage system using verified sealants compatible with all substrates and minimum tensile Strengths If applicable as shown in the picture below. This drainage path allows any water that enters between the sill pan and the door sill to exit properly.



**THIS STEP IS CRITICAL TO PROPER WATER MANAGEMENT AND LONG-TERM PERFORMANCE.**

## FRAME INSTALLATION

### 1. Dry Fit the Frame to the Opening

Before installing the frame, ensure the assembled frame fits properly within the opening. The frame should slide into the opening without force and should not be tight, twisted, or bowed. Check that the frame sits flush against the opening, is level, plumb, and square, and that there is adequate clearance around the perimeter for shimming and proper sealing.



### 2. Install Frame into Opening

Carefully move the frame into the rough opening. Shim the frame as needed to ensure it is plumb, level, and square. **At this stage, do not install the head screws; leave them out until the fixed panel has been installed.**



**IMPORTANT: Correct any issues with the rough opening before proceeding with installation. Failure to install into square, level, and plumb openings may result in denial of warranty claims related to operational or performance issues.**

### 3. Frame Level and Square Check

Once the frame is positioned in the opening, recheck that it is **level, plumb, and square**. Confirm the frame is fully supported and **shows no signs of bowing, twisting, or bending**. Make any necessary corrections before final assembly.



### 4. Apply Sealant to Jamb Nail Fin

Once the frame is level and square, apply sealant behind where the nail fin will sit to prevent water from entering through the nail holes in the flange.

# DOOR ASSEMBLY

## 1. Install the Sill Risers

Snap the vinyl sill risers securely into place at both ends of the door for the fixed panels, ensuring they are fully seated along the entire length of the sill.

**NOTE: DO NOT SECURE THE SILL RISERS AT THIS TIME. ENSURE PROPER ALIGNMENT BEFORE FASTENING**



## 2. Align the sill riser with the door sill notch.

When installed correctly, the sill riser will stop short of the jamb, creating a weep hole for proper water drainage. See the image below for proper installation.



## 3. Secure Sill Riser to Sill



Secure the sill risers to the sill using #6 x 1-1/4" Phillips flat white head self-drill screws. Install screws as specified to ensure the sill riser is firmly attached and properly seated.

## 4. Install Fixed Jamb Snubbers

Install two 30" fixed jamb snubbers on each fixed panel side jamb of the door frame, spacing them apart. Secure each snubber with #6 x 1-1/4" Phillips flat-head white self-drilling screws, ensuring they are properly seated



**IMPORTANT! Only for OceanView Impact Doors, install a 15" aluminum fixed snubber at the head, aligned with the center of each fixed panel, in addition to the jamb snubbers. This is required for proper impact performance.**

## 5. Install Fixed Panel L-Brackets

Tap one Fixed Panel L-bracket into the top and one L-bracket into the bottom of the fixed panels, ensuring each bracket is fully seated.



**NOTE: Trim the corners of the fixed door panels if required.**

## 6. Apply Sealant to Fixed Jamb Snubbers



Run a continuous bead of sealant along all four jamb snubbers as shown in the image.



**FOR OCEANVIEW DOORS:** Apply sealant against the snubbers located in the head to ensure the panels properly adheres and forms a secure seal.

## 7. Install Stationary Panels

Leave the head installation screws out to provide sufficient clearance for the stationary panels. Lift each panel into the center of the head track and guide it into the jamb. Slide each panel into its final position.

Make sure the glazing bead on the stationary panels is on the exterior of the house.



**IMPORTANT:** For OceanView impact-rated doors with head snubbers, each panel must be slid into place on top of the fixed panel riser rather than lifted into the head, as the snubbers prevent the panels from being lifted into position. Two people are required to lift and position each door panel. Use suction cups if necessary to safely handle the panels.

# DOOR ASSEMBLY

## 8. Install Fixed Panel L-Brackets

Ensure each door panel is fully seated in the frame. Clamp each panel to the jamb at both the top and bottom to hold securely in place.



**NOTE:** Verify both panels are fully engaged in the fixed jamb brackets.

## 9. Secure Bottom Fixed Panel L-Brackets to Sill



Secure only the bottom fixed panel L-brackets by fastening them into the sill as specified. Ensure each bracket is fully seated and properly aligned to hold the panels securely in place.

**NOTE:** Use #8 × 3/4" Flat Head screws.

## 10. Checking Head and Reveal



Measure the reveal from the head to the edge of each stationary panel at both ends and at the center to confirm the panels are flat, level, and properly aligned. This measurement should be approximately 3.5" from the frame to the visible glass at the head and both jambs.

## 11. Secure Top Fixed Panel L-Brackets to Head



Once the fixed panel head reveal has been checked and confirmed to be even and flat, secure the top fixed panel L-brackets to the head.

## 12. Fasten Frame to Rough Opening

Once the frame has been verified as level, plumb, and square, securely fasten the door frame to the rough opening using manufacturer-specified fasteners and installation standards at the designated fastening locations. Fasten through the center of the nail fin slots, installing fasteners near each corner and then in every other slot along the fin.



While fastening, hold the door frame firmly against the interior stop to maintain proper positioning.

**IMPORTANT:** Ensure the frame remains square throughout the fastening process. Do not over-tighten fasteners. Recheck the frame for level, plumb, and square as fastening progresses, and make adjustments as necessary.

## 13. Fasten Head to Rough Opening



Once both panels are installed and leveled, secure the head to the rough opening as specified.

**NOTE:** Ensure squareness is maintained.

## 14. Install Panel Interlocks



Slide the panel interlocks into the ends of each stationary panel. Use a mallet to gently tap each interlock into place until fully seated. Trim the weatherstripping to match the length of each interlock.

**Note:** The interlock may need to be trimmed to fit properly.

## 15. Trim Weatherstripping



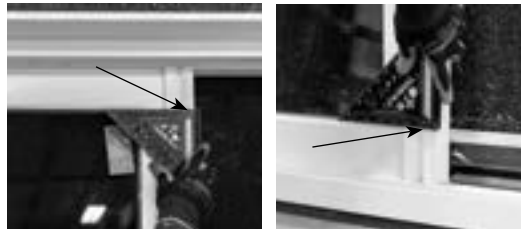
Trim extra weatherstripping if necessary.

## 16. Check Stationary Door Panels for Level

Check the stationary door panels to ensure it is level. Make any necessary adjustments before proceeding.

## 17. Locate and Pre-Drill Panel Interlock Holes

Before pre-drilling, ensure the top and bottom holes, are properly aligned with the glass pane, as shown in the diagram. Once aligned, proceed with pre-drilling the remaining holes.



## 18. Pre-Drill Panel Interlock Holes

Pre-drill holes every 12 inches in each fixed panel interlock channel, following the factory groove to ensure adequate clearance for the cover.



**NOTE:** Use a 9/64" drill bit when drilling the holes.

# DOOR ASSEMBLY

## 19. Secure Panel Interlocks

Fasten each panel interlock to the stationary door panels using the specified screws. Ensure each interlock is fully seated and securely attached.



**NOTE:** Secure using a #8 × 1" pan head self-tapping screws.

## 20. Install Frame Snap Covers

Snap the snap covers into each interlock.

**NOTE:** Trim the snap covers if necessary.



## 21. Install Sash Stops

Snap the sash stop into the top and the bottom of the inside jamb.



## 22. Fasten Stationary Jamb



Secure each stationary jamb by fastening through the weatherstripping channel.

**Note:** Install a #6 × 3/4" Phillips flat head screw every 12 inches, from top to bottom.

## 23. Install Jamb Covers



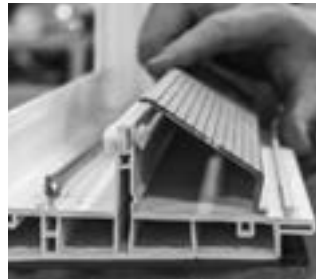
Snap the jamb covers into place on each interior jamb of the patio door, ensuring they are fully seated along their entire length.

**NOTE:** Trim the jamb covers if necessary for proper fit.

## 24. Exterior Aluminum Threshold Cover Installation Instructions



**Step 1: Position the Threshold Cover**  
Place the cover on the exterior side of the patio door sill. Ensure the sloped side faces the exterior to allow proper water drainage.



**Step 2: Insert the Bottom Edge**  
Insert the bottom edge of the threshold cover into the sill groove. Make sure it is properly aligned along the full length of the sill.



**Step 3: Secure the Cover**  
Once the bottom edge is seated, tap the top of the sill cover lightly with a rubber mallet until it snaps securely into place. Work your way along the length of the sill to ensure the cover is fully seated.

**NOTE:** Trim the bottom of the cover at the threshold as needed to achieve a tight, secure fit.

## 25. Prepare Active Door Panels for Installation



Before installing the active panels, lay the panels flat on a protected surface to prevent damage.

Lubricate the rollers with a silicone-based spray lubricant, then fully adjust them so they are raised completely into the panel prior to installation.



**Ensure both rollers are evenly adjusted before setting the panel**

**Raise the rollers**  
Turn the adjustment screws clockwise to raise the rollers fully into the panel.



**Lower the rollers**  
Turn the adjustment screws counterclockwise to lower the rollers.

# DOOR ASSEMBLY

## 26. Install Active Door Panels

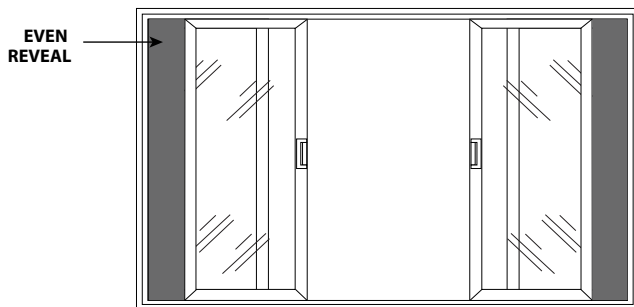
Tilt the panel toward the door opening. Lift into the head track, then lower the bottom into the appropriate sill channel. Repeat for the second operable panel.



**NOTE: Ensure the rollers at the bottom of the door panel are raised into the panel prior to installation to allow for easier placement.**

## 27. Leveling Sliding Door

1. Slide the panel to the almost closed position. Check the reveal between the panels and the frame jamb; the gap should be even along the entire vertical edge of the panel.



2. If the reveal is uneven, adjust the panel by lowering the rollers using the adjustment screws in the two holes located on the exterior side of the panel until the reveal is uniform and the panel operates smoothly
3. With the door panel fully lowered, adjust the rollers so that the operable panel aligns with the stationary panel(s), penetrates the sill track by at least  $\frac{3}{8}$ " on both ends, and creates an even reveal.
4. Turn the adjustment screws clockwise to raise the rollers or counterclockwise to lower them. Use a handheld #3 Phillips screwdriver only to prevent damage or stripping of the hardware.



**Note: Check the door panel against the jambs to ensure it is plumb during adjustment. As a best practice, use suction cups to safely raise and adjust the panels.**

5. Verify smooth operation of the panels. Proper roller adjustment will ensure optimal performance and sealing.
6. Tap in the adjustment screw hole covers



## 28. OCEANVIEW IMPACT PATIO DOORS ONLY

### Interlock Bracket



Install one interlock bracket into the top channel of the operable track. Position the bracket 8" from the edge of the fixed panel. Once aligned, secure the bracket using the provided #8 x 1" flat head screws.



### Nylon Bracket



For impact doors, nylon brackets will be pre-installed at the top and bottom of the operable panel.



Loosen the screws and adjust the brackets.



Move the top bracket fully upward and the bottom bracket fully downward. Once positioned, re-tighten the brackets using the provided screws.

## 29. Install Head Track Cover

Install the head track cover onto the exterior top track of the head. Align the cover and snap it into place. If needed, gently tap with a rubber mallet to fully seat.

**Once this step is complete, install the handles on both operable panels.**



**NOTE: Installing the astragal first may restrict access and make handle installation difficult, as the screws may interfere. Do not install the handle keepers until the astragal is installed and adjusted.**

# KEYED HANDLE ASSEMBLY & ASTRAGAL INSTALLATION

For handle installation, follow the instructions included in the handle kit for more details.

## 1. Install Exterior Handle and Backplate



Insert the exterior handle on the outside of the door, as shown in the image.

## 2. Exterior Handle and Backplate Installation



Place the backplate on the interior side of the door and insert the two screws through the backplate into the exterior handle.

**NOTE: Do not tighten the screws at this time.**



## 3. Tighten Screws



If the alignment is correct, tighten the two screws to secure the handle assembly.

**NOTE: Do not over-tighten the screws, as this may cause the handle to bind or malfunction.**

## 4. Secure Interior Handle



Insert the two screws through the side of the interior handle and tighten to secure it in place.

**IMPORTANT: DO NOT FIT OR INSTALL THE ASTRAGAL UNTIL THE OPERATING DOORS ARE ADJUSTED INTO THEIR FINAL POSITIONS.**

## 5. Install the Astragal

Install the astragal onto the LEFT operating panel when viewed from the exterior. The astragal must be installed on the LEFT panel and cannot be reversed or installed on the right panel.



## 6. Trim Astragal to Fit

The astragal length may need adjustment. Trim as necessary to ensure proper fit and operation, but do not cut it too short.

## 7. Pre-Drill Astragal Screw Holes



Pre-drill the astragal 6"–8" from the top and bottom, with screws spaced 18"–20" on center between. Adjust spacing as needed based on door height.

## 8. Test Panel Operation

Before securing the astragal, test panel operation. If any dragging occurs, remove the astragal and adjust the length as needed.

The images below show correct top and bottom installation.



TOP



BOTTOM

# KEYED HANDLE ASSEMBLY & ASTRAGAL INSTALLATION

## 9. Secure Astragal

---

Fasten the astragal to the panel using six #8 × 2" flat head self-drilling screws.



## 10. Strike (Keeper) Installation to the Astragal Panel

---

Align the strike with the lock, mark the location on the jamb, and install the strike onto the door jamb as specified.



**NOTE:** After installing the strike, verify that the lock functions properly and engages smoothly.

## 11. Test Handle and Lock Operation

---

Once all steps are complete, test the handle and locking function, if applicable, to ensure proper operation.







851 Hemlock Road  
Morgantown, PA 19543-0499  
Visit us at [www.Viwinco.com](http://www.Viwinco.com)

5/2026