

Installation Guide

Windsor



Vinyl Patio Door

NOTE: Inspect the door for any signs of damage, and ensure it is the correct size and type. Contact the distributor if there are any problems, **prior** to installing the door.

The Windsor is only available in a 2-panel configuration, and all* doors between 72"- 84" tall are reversible. (*Doors with mini-blinds are **not** reversible)

The locking hardware is located halfway up the operating panel, unless otherwise requested.

Use a quality building sealant (Dow Corning CWS, GE Silicone II Window & Door, or equivalent) that is compatible with the vinyl surface of the door and surrounding structure. Ensure all surfaces to be caulked are well cleaned, and free of dirt and grease. A primer may be necessary depending on the sealant used. Check the application with the sealant supplier.

1	<p>Measuring the Rough Opening: (Diagram 1) Measure the rough opening to ensure that it is a minimum of ½" wider and ½" taller than the door frame size. Also, check the opening to ensure it is plumb, level and square. Make any corrections as deemed necessary.</p>
2	<p>Preparing the Rough Opening: (Diagram 2) It is a recommended practice to use membrane flashing (e.g. Blueskin) at the sill to prevent water infiltration on the underside. The flashing should be integrated into the weather barrier of the building in accordance with the applicable building code.</p>
3	<p>Placing the Door: (Diagram 3) It is recommended that flexible mastic such as acoustical sealant, be used underneath the sill. Place the door in the opening. Ensure the drainage slots are at the bottom, and are facing outwards. (On a 180 reversible door, the door can be cartwheeled) It may be necessary to pull out the weeps and place them on the bottom. They can be removed with a sharp-edged tool, such as a putty knife.</p>
4	<p>Shimming/Adjusting the Door: (Diagram 4) Use solid shims and a level to compensate for any unevenness in the rough opening. Start by shimming the sill if required. Use a level and measuring tape to ensure the frame is plumb, level and square. Measure diagonally and make adjustments as necessary prior to securely fastening all screws. Install solid shims between the jamb and opening at the keeper. Ensure the jamb is not bowed. If the jamb is bowed, remove the screws, adjust the shims and refasten.</p>
5	<p>Fastening the Door: (Diagram 5) Fasten the jambs using four (4) #8 screws, within 6" of each corner. Use three (3) screws to fasten the header, within 6" of each corner. Additional fastening is required on taller doors. Use the groove indicated in the diagram as a guide. Ensure the screw is sufficiently long that it engages the structure by at least 1½".</p> <p>Fastening the Sill: Avoid fastening the door through the sill to the substrate.</p>
6	<p>Adjusting the Operating Panel: (Diagram 6) Slide the operating panel within ¼" of the jamb and ensure the opening between the panel and jamb is uniform from top to bottom. If the opening is not uniform, the panel may need to be adjusted. The panels can be adjusted by raising or lowering the rollers. Use a screwdriver to adjust the rollers. Raise (CW) or lower the rollers (CCW) as required. Lift the panel slightly to prevent stripping of the mechanism.</p> <p>Check: Ensure the operating panel moves smoothly and fits tightly against the jamb. Perform any further adjustments as required.</p>
7	<p>Installing Lock Mechanism, Handle & Keeper: (If Required) Install the lock mechanism in the pre-drilled slot in the side of the operating panel with the adjustment screw to the top and the striker hook facing upwards. Insert the thumb lever into the slot inside of the lock mechanism. Install the interior and exterior pull handles using the provided screws.</p> <p>To install the keeper (the mechanism on the jamb that the lock engages into), nest it into the lock mechanism opening, and engage the thumb turn to hold the keeper. Apply 2-sided tape on the back of the keeper and close the panel into the jamb. The latch keeper will be held to the jamb by the tape. Mark the location and remove the tape. Attach the keeper to the jamb at the marked location, and into the structure with two #8 screws. Ensure the screw is sufficiently long that it engages the structure by at least 1½".</p>
8	<p>Installing the Screen: Lift the screen into the frame header. Swing the bottom of the screen towards the sill, and drop the rollers over the screen track.</p>
9	<p>Adjusting the Screen Rollers: (Diagram 7) Adjust the screen rollers if the screen does not operate smoothly, or if it does not engage the jamb uniformly. Use a Phillips screwdriver to adjust the tightness of the rollers.</p>
10	<p>Sealing the Perimeter: (Diagram 8) Do not block the drainage ports! Install backer rod from the exterior. Use a putty knife to facilitate this. Apply exterior grade caulking from the door to the building envelope (brick, siding, stucco). Use an appropriate exterior-grade sealant such as Dow Corning CWS, GE Silicone II Window & Door or equivalent, for this application. <u>Use flashing as required.</u> Stuff the gap between the door and wall with fibre insulation, or low-expansion spray foam. If fibre is used in this step, it must be sealed with sheathing tape on the interior side.</p>

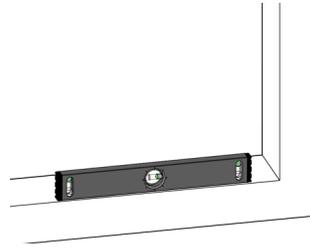


Diagram 1

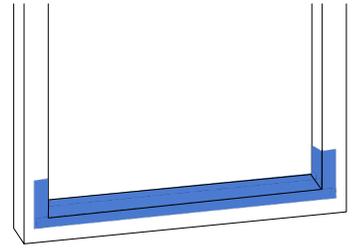


Diagram 2

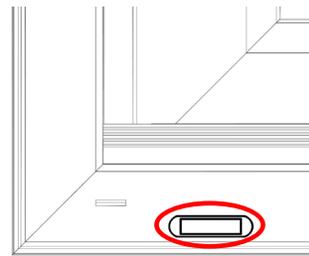


Diagram 3

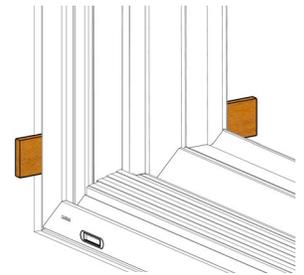


Diagram 4

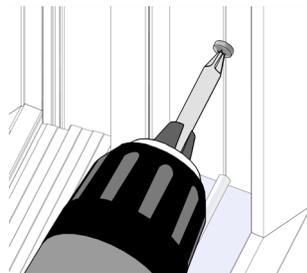


Diagram 5

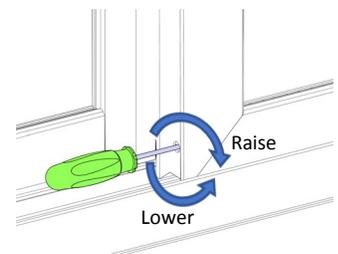


Diagram 6

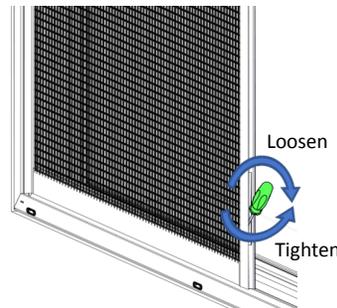


Diagram 7

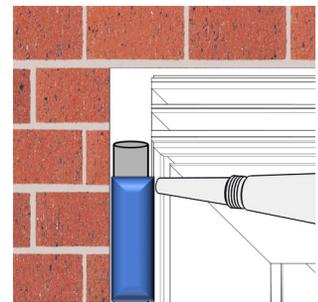


Diagram 8