

Outward Opening Patio Door

Installation Instructions

RECOMMENDED TOOLS & ACCESSORIES

(Not supplied by Royal Windoor)

- Phillips Head Screwdriver
- Flat Head Screwdriver
- Level (3' or longer)
- Framing Square
- Plastic Hammer
- Utility Knife
- Exterior-Grade Sealant (Suitable for Door & Window Installation)
- Fasteners (See Fastener Schedule)

 **IMPORTANT! READ ALL THE INSTRUCTIONS BEFORE BEGINNING INSTALLATION.**

This door unit has been engineered and manufactured to provide superior weather protection and service.

The manufacturer warrants this product only when installed according to these instructions. The manufacturer will accept no responsibility for air or water leakage above, under, or around the door unit. The recommended flashing details depicted in these instructions are a general guide.



Royal Windoor
RW6003 Side Hinged Door
Vinyl Frame, Double Glazed,
Low E coating (e=0.050, S2)

Step 1: Unpacking the Door

Remove the outer boxes and skid boards, taking care not to damage the nail fins (**Figure 1**).

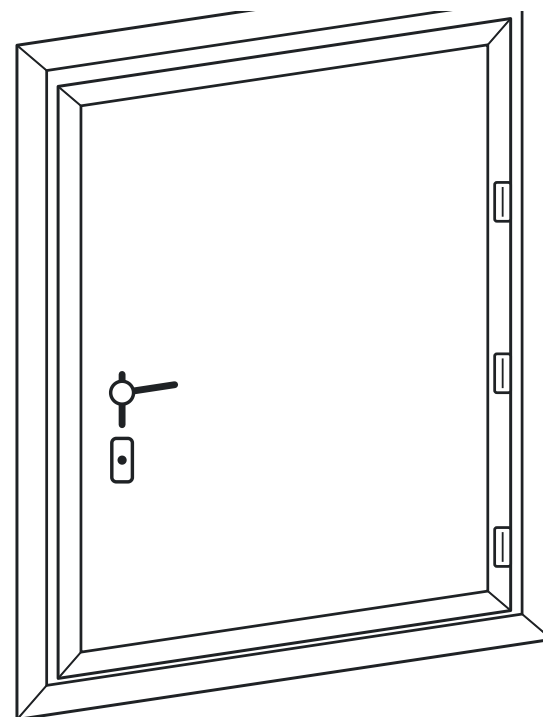


Figure 1 – Unpacking the Door

Step 2: Remove the Sash

Lift the sash up and swing the bottom edge out, then slightly lower the panel until the top edge clears the frame (**Figure 2**). Carefully set aside for reinstallation later.

Step 3: Install the Frame

1. Check the opening for correct dimensions. The opening should be 1/2" wider and 1/2" taller than the frame. Do not include the nail fin when measuring frame dimensions. The opening should be plumb and square (**Figure 3**).
2. The sill must be level, flat and clear of dirt and debris that would prevent a good weathertight seal.
3. Apply three 3/8" diameter beads of sealant across the entire length of the sill, or bottom surface of the rough opening.
4. Apply a bead of sealant around the entire door, on the nail fin surface that will contact the house.
5. Using at least two people, lift the door from the exterior of the home into the center of the opening and seat into the sealant. Set a single fastener top center and bottom center to hold the door in place.
6. If there is a gap between the framing of the wall structure and door frame, place shims in at least three places per side and top. Do this from the interior of the home. Shims should be snug, but should not deform the frame.
7. Using the framing square and level, verify that the door frame is square and level, and adjust as needed before proceeding with the installation. Check for level at the top and bottom of active panel opening.
8. Set the fasteners in the nail fin holes provided around the perimeter of the frame. These doors **require** one fastener in every hole. Check the frame to ensure it is square during and after the fastener installation.

National Fenestration Rating Council ® CERTIFIED		Argon/Air Filled RYW-K-2-00001-00001	
ENERGY PERFORMANCE RATINGS			
U-Factor (U.S./I-P) 0.30		Solar Heat Gain Coefficient 0.22	
ADDITIONAL PERFORMANCE RATINGS			
Visible Transmittance 0.33		Air Leakage (U.S./I-P) ≤ 0.3	
Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. Consult manufacturer's literature for other product performance information. www.nfrc.org			

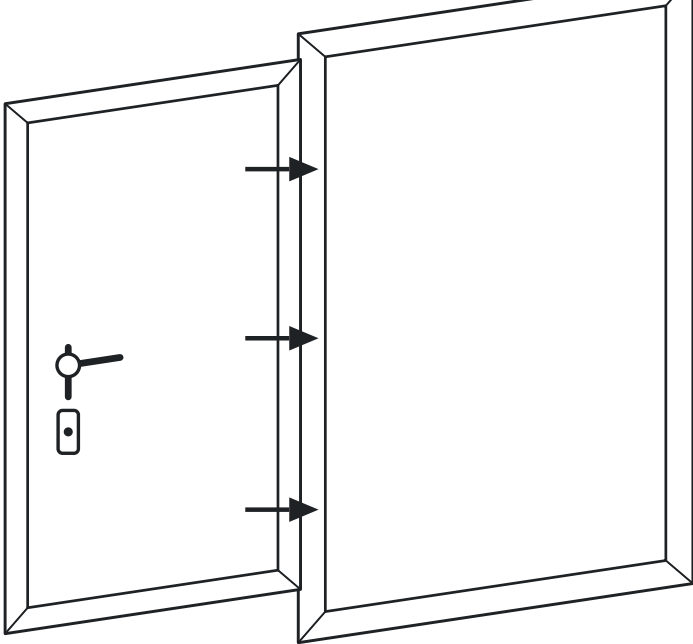


Figure 2 — Remove the Sash

9. Drive the frame with screws.

Step 4: Install the Sash

Install the handle and the strike.

Step 5: Finishing Installation

Adjustments are made at the hinges, as shown at right.