

Full View Elite Patio Door Installation Instructions



Pre-Installation Considerations:

Check for Local Building Codes: Ensure that the installation complies with local building codes and ordinances.

Inspect and Prepare the Opening: Ensure the rough opening is properly sized for the door unit. The rough opening should be level, square, and free of debris. Repair any water damage or uneven surfaces in the surrounding wall area.

To ensure optimal performance, patio doors must be installed precisely level, plumb, square, and weathertight within their openings. Incorrect installation is the primary reason for malfunctions. Please carefully follow the provided installation and maintenance guidelines.

Materials and Tools:

Materials

Vinyl patio door
Galvanized nails (manufacturer-specified length)
Flashing tape or membrane
Backer rod (if needed)
Sealant (AAMA 808 compliant for windows and doors)
Foam insulation (low-expansion)
Weather-resistant barrier (WRB)
Drip cap (if required)
Installation screws (as specified by manufacturer)
Caulk

Tools

Measuring tape
Level
Power drill/screwdriver
Hammer
Pry bar
Utility knife
Caulk gun
Square
Shims
Mallet

Installation Steps:

1. Measure and Verify Rough Opening:

- Measure the width and height of the rough opening and ensure it is $\frac{1}{2}$ " larger than the patio door unit to allow room for shimming and adjustment.
- Ensure the sill is level and the sides of the opening are plumb and square.

2. Prepare the Rough Opening:

- Apply the weather-resistant barrier (WRB) around the opening.
- Apply flashing tape or membrane to the sill, ensuring proper drainage towards the exterior. Fold it up on the sides to cover at least 6 inches.

3. Install the Door Frame:

- Set the door frame into the rough opening. It is recommended to have additional people to assist if the door is heavy.
- Use a level to ensure the door frame is plumb and square.
- Insert shims as needed or at key points to ensure the door is level and operates smoothly.
- Temporarily secure the frame with nails, but do not fully tighten yet.



4. Secure the Door Frame:

- Double-check the door's operation to ensure it opens, closes, and locks properly. Sash adjustments may be required.
- Once the door is properly aligned, secure the frame to the rough opening using galvanized nails. These should be placed through the punched holes in the frame.
- Install nails starting at the top corners and work your way down. Tighten the nails but be careful not to overtighten, as this can warp the frame.

5. Insulate and Seal the Door:

- Apply low-expansion foam insulation between the frame and rough opening. Be cautious not to overfill, as this can bow the frame.
- After the foam cures, trim the excess foam with a utility knife.

6. Install the Door Panels:

- Adjust the rollers or guides on the sliding panel for smooth operation.
- Make sure to test that the door latches properly before you move on to the next step.
- Ensure all locking mechanisms and hardware are installed and function properly. Run at least 1 – 3" long screw through the keeper to secure the door jamb to framing.

7. Flash and Seal the Exterior:

- If necessary, install a drip cap at the top of the opening to prevent water infiltration.
- Apply flashing tape or membrane around the top and sides of the door frame, ensuring all seams overlap properly for water shedding.
- Install trim or exterior siding as needed to cover the edges of the flashing and sealant.

8. Final Check:

- Check that the door operates smoothly, locks securely, and is properly sealed against weather elements.
- Ensure there is no bowing in the frame and that the door's weatherstripping is making a tight seal.
- Clean up the work area and remove any protective coverings from the door.

Post-Installation Tips:

Maintenance: Regularly inspect the door's weatherstripping, frame, and seals to ensure proper functionality and to prevent air or water infiltration.

These instructions are a general guide based on AAMA guidelines and should be adapted to the specific requirements of the door manufacturer and your local building codes.



General Care and Maintenance

Avoid Painting: Do not paint vinyl profiles, hardware parts, or weather strips.

Gentle Cleaning: Clean vinyl parts with mild soap and a soft cloth. Avoid abrasive or ammonia cleaners.

Hardware Lubrication: Regularly lubricate all hardware parts to ensure smooth operation.

Weather Strip Replacement: Replace any worn-out or damaged weather strips promptly.

Preventing Condensation

Heat Source: Ensure a heat source is located in front of the door to prevent condensation.

Air Circulation: Avoid obstructing air circulation around the window.

Humidity Control: Maintain a relative humidity level as recommended based on the outside temperature.

Recommended Relative Humidity Based on Outside Temperature

Outside Temperature	Recommended Maximum Relative Humidity
-20°F	15%
-10°F	20%
0°F	25%
10°F	30%
20°F	35%
30°F	40%

