

V-800 Vinyl Terrace Door Installation Instructions



Receiving: Inspect the product upon arrival verifying you have all the necessary items.

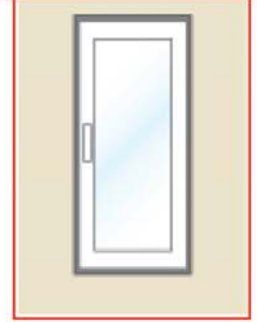
Handling: Handle the doors with care to prevent possible damage. Be sure to move them while in a vertical position only. If damage occurs, the product may not perform to product specifications and the hardware may not operate properly.

Storage: Doors need to be stored out of the weather, in a clean, dry area, off the ground, not in direct sunlight, where they will not be subject to damage. Lean the units against a wall on a flat and level surface, making sure there is adequate spacing between the products for ventilation.

Pre-Installation Inspections: Measure the door openings. Ideally the building rough opening should be 1/2" wider and taller than the door. Measure within 6" of each corner and at the center of the opening, both vertically and horizontally. Verify that the rough opening is square, level, plumb, and true.

Notify contractor to remedy any discrepancies.

For a low-profile sill, you must ensure that there will be room for the door to swing open without interference.



Apply an appropriate CMU sealer (liquid-applied waterproof coating) to all four sides of the masonry opening and returning 10" on the face of the exterior CMU. The installer must treat the masonry opening with a CMU sealer to help prevent the CMU window cavity from absorbing moisture. The CMU sealer must be applied prior to the installation of buck materials.

Note: All WinDoor products must be installed with caulking/sealant applied in accordance with ASTM E 2112 Standard to ensure a weather tight product. WinDoor recommends the use of a high quality polyurethane or silicone sealant that complies with ASTM C 920 Class 25 NS Specification that is compatible with both the fenestration product material and the building substrate.

Tools and Materials Required:



Install the Frame into the Opening

Doors will be shipped with the door panel already installed in the frame. They can be installed with the panel in or out of the frame. Panels can be removed from the frame simply by opening the door 90 degrees and then raising the panel off of the hinges.

If installing the frame only:

1. Put the frame in the opening.
2. Using appropriate shims, level the sill making sure you have proper shim space.
Note: Doors wider than 30" should be supported at a maximum of every 12 inches.
3. Fasten the bottom jamb corners to hold in place.
4. Plumb the frame jambs with a level and fasten one top corner. Check the diagonals to make sure frame is square. Fasten the opposite top corner.
5. Using a straight edge, ensure the frame is straight on all four sides.
6. Install fasteners, per applicable **Current** NOA or Florida Product Approval, into each factory pre-drilled hole.
 - a. Apply sealant into each factory drilled hole prior to installing the fasteners.
 - b. Insert all fasteners through the provided hinged screw covers. **(See Drawing)**
 - c. Install the fastener into the frame.
 - d. Snap screw covers hiding the fasteners as indicated.



See back for more instructions

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- Shims should be used at all fastener locations around frame.
NOTE: These shims should fill the gap without being loose or deforming the frame. Be sure to NOT OVER TIGHTEN SCREW.
- Install the panel by setting it on the hinges when it is perpendicular (90 degrees) to the frame.
- Close and lock the door.

If installing the frame with the panel already in place:

- Put the door in the opening with the panel closed in the frame.
- Using appropriate shims, level the sill making sure you have proper shim space. **Note: Doors wider than 30" should be supported at a maximum of every 12 inches.**
- Plumb the frame jambs with a level.
- Install shims very tightly around the door frame to allow you to open the door and have the frame stay in place.
- Once you have opened the door **VERY CAREFULLY**, support the panel to stabilize it.
- Begin installing fasteners on the hinge side jamb near the top corner to hold in place.
- Continue installing a couple fasteners near the middle and bottom of the hinge side jamb.
- Install fasteners at the top, middle, and bottom in the latch side jamb, making sure it is plumb and perfectly parallel to the hinge side.
- Follow above Steps 5-7 in the "Installing the Frame only" section.
- Close and lock the door.



Handle & Thumb Turn Operating Instructions:

Before operating a door with a Low Profile sill make sure the 5/8" diameter hole is drilled into the sill substrate through the strike plate 3/4" deep to allow for the "Shoot Bolt" to have clearance and not bottom out. DAMAGE WILL BE DONE TO THE LOCKING GEARS IF THIS IS NOT DONE.

To Lock: With the door closed, raise the handle to engage the "Shoot Bolts" into the head and sill. Turn the cylinder knob or key lock to activate the deadbolt, locking the door.

To Unlock & Open: Simply turn the cylinder knob or key lock the opposite direction that was used to lock the system. Open the door by turning the handle down which will disengage the "Shoot Bolts" and enable it to swing open.

Operate the Door: Check to make sure doors close, lock, and that all of the hardware is working properly. The panels are installed and checked for proper operation prior to shipment. When there are operating problems, it is either the result of parts not being correctly installed during the installation process or the frame not being installed level or square. In this event, diagnose the problem and adjust accordingly. (See **Adjustment Instructions**)

Adjustment Instructions: The doors are able to be adjusted up & down and in & out at the hinges.

Gasket Compression Adjustment (+/-1 mm)

Remove the top PVC cover cap by means of a small slotted-head screwdriver. The eccentrically positioned hinge regulator sleeve can be adjusted exactly by means of a 6 mm Allen key. Hinge groove and regulator sleeve groove must be lined up with each other in order to be able to clip on the cover cap. Clip on the PVC cover cap.

Height Adjustment (+5/-1 mm): The height adjustment can be carried out by means of a 6 mm Allen key. Carry out adjustments on the lower hinge (Only retro adjustments on the upper hinge are necessary).

Side Adjustment (+/-5 mm): Remove the lateral PVC cover cap by means of a small slotted head screwdriver. Subsequently the lateral adjustment can be carried out by means of a 4 mm Allen key without loosening the hinge. Clip on the PVC cover cap.

Finishing Detail:

- Install backer rod and exterior perimeter sealants as specified to ensure a watertight condition.
- Insulate around the frame with appropriate low expansion foam.
- Remove protective film from all profiles immediately after installation.

