

V130 Field Glazed Fixed Window

Installation Instructions



Receiving:

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

Handling:

Handle the windows with care to prevent possible damage. Be sure to move them while in a vertical position. When these problems occur, the product may not perform to project specification.

Storage:

Windows need to be stored out of the weather, in a clean, dry area, off the ground, not in direct sunlight, and not subject to damage. Slightly lean the units against a wall on a flat, level area, making sure there is adequate spacing between the products for ventilation.

Pre-Installation Inspections:

Measure the window openings. Ideally the building rough opening should be ½" wider and taller than the window. 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.

Apply 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 for the purpose of sealing the CMU window cavity from absorbing water. This application will be put on before the installation of the buck materials.

Note: All WinDoor products must be installed with sealants applied in such a way as 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 Specifications.

Tools and Materials Required:

- Level
- Nylon, plastic, or composite shims
- Caulk Gun
- Sealant for perimeter
- Screw gun
- Tape measure
- Rubber Mallet
- Screws (see Step 1 for details)



See Back for more details

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Rough Opening:

As a rule, 1/4" shim space is allowed around the window frame.

Note: WinDoor recommends the use of a sill pan & end dam under each window installation.

Step 1: Install the Frame into the Opening

There are 2 anchoring options:

Through the frame (flush, fin, and flange) and using strap anchors.

A. Through the Frame:

- a. Using appropriate shims, level the sill making sure you have proper shim space.
- b. Fasten the bottom frame corners to hold in place.
- c. Plumb the frame jambs with a level and fasten the top two corners.
- d. Using a straight edge, ensure the frame is straight on all four sides.
- e. Install fasteners into each factory pre-punched hole.
 - i. **Wood Substrate:** #14 X 3 1/2" Cut Thread Wood Screw with a minimum embedment of 1 3/4". (flat head screw only)
 - ii. **Masonry Substrate:** 1/4" X 3 1/2" Tapcon with a minimum embedment of 1 1/4" (flat head screw only)
 - iii. **Metal Structure:** #14 X 3" SMS or Self Drilling Screw
- f. Shims should be used at these fastener locations:

Note: These shims should fill the gap without being loose or deforming the frame. Be sure to not screw too tight!

B. Using Strap Anchors

- a. Prior to putting frame in opening, swing out the strap anchors that are attached to the frame. These should point to the interior. **See Drawing**
- b. Run a fastener through each strap anchor. Make sure to use the closest hole to the window frame for maximum strength.
 - i. **Wood Substrate:** #12 X 1 3/4" Wood Screw Minimum
 - ii. **Masonry Substrate:** 1/4" X 1 1/2" Tapcon Minimum
 - iii. **Metal Structure:** #12 X 1" SMS or Self Drilling Screw

Step 2: Install Glass into Frame and Seal

- A. Using the provided sealant, run a large bead around the perimeter of the window frame against the exterior fixed glazing leg, as shown in drawing.
- B. Put provided setting blocks into place along the bottom to properly support the glass.
- C. Install and center the glass in the window frame.
- D. Put the remaining setting blocks into place around the frame where necessary to have the glass supported tightly on all 4 sides.
- E. Again using the provided sealant, "backfill" between the glass and the window frame, ensuring you have no voids.
- F. Install the interior glass stops into the channel around the frame.

Step 3: Finishing Detail

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

