

## Installation Instructions for Replacement Windows (Page 1 of 2)

### Tools Required:

- Power Drill
- Caulking Gun
- Measuring Tape
- Pencil
- Square
- Hammer

### Materials Required:

- Shims
- Caulking
- Screws
- Window and Door Foam
- PVC Trim Coil

**Please Note: All the above materials can be purchased from Thermo Seal and are generally In-Stock.**

**REMEMBER: ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.**

**IMPORTANT:** Always lift vinyl windows at jambs for added safety and prevention of component damage. Do not drag. Stack no more than five windows against each other. Store windows in a near vertical position; never lay flat. Remove stretch wrap; store in a cool, shaded area. Un-installed wrapped windows may warp in extreme heat or direct sunlight.

**CAUTION:** Always use appropriate assistance to lift and place large units so as to avoid possible personal injury or product damage.

**IMPORTANT:** Thermo Seal will not be responsible for finishing imperfections. Thermo Seal will not be responsible for damage from unapproved finishes or cleaning chemicals, which may cause adverse reactions to window or door materials. If in doubt, contact your local Thermo Seal Sales Representative. Unapproved product modifications will void all warranties. Application of after-market window films can cause glass breakage due to thermal stresses. Application of such films will void all glass warranties.

Seek advice from sealant manufacturer, EIFS manufacturer and EIFS designer when installing any product that penetrates an EIFS structure.

Check your local building codes before installation. Local building code requirements replace these recommended installation instructions. Improper installation and care may void warranty.

**CAUTION:** Caustic or abrasive cleaners, silicone-based solvents, petroleum- or silicone-based lubricants, or insecticides on or near frame or sash surfaces may damage or discolor the PVC.

#### WARNINGS:

- Thermo Seal window and door insect screens are intended only for insect control. They are not designed as a safety barrier or to restrain children.
- Drilling through window frame or sash for security system installation will decrease window performance.
- Safety glass must be specifically ordered. Broken glass can fragment and cause injury. Many laws and building codes require safety glass to be used under certain conditions.
- The manufacturer assumes no responsibility for failure, damage or injury resulting from inadequate or improper installation, inappropriate product care, or use in applications that exceed product rating.

See the product warranty for additional conditions and limitations.

**Important:** If you are replacing windows in any house built prior to 1978, you may be required to use Lead Safe practices during installation because of the possibility of lead paint. Please visit this website for more details—[www.epa.gov/lead](http://www.epa.gov/lead).

Install these windows into an existing wood frame, an opening with frame and sash removed, or into existing metal frames from either inside or outside the home. Installations into the rough framing are more easily done from the home's exterior. **Weep holes direct moisture out of the window frame and must be placed at the sill on the exterior of the opening.**

1. Be sure replacement window dimensions are correct before removing old frames or sashes.
2. Place the window in the opening for a test fit.
3. Check the opening for square and repair any defects before proceeding. The sill of the rough opening must be in continuous level condition to provide support the entire length of the vinyl window. Level using a continuous shim or level the sill plate itself. Use wood blocking with existing metal frames.

4. Using a minimal expanding Window and Door foam, place a bead along the length of the sill. (in the head expander, if one is used). Insulate old balance pockets in the existing wood frame.

**IMPORTANT: Only use an approved spray-in foam (or purchase from Thermo Seal) to avoid problems caused by foam over-expanding.**

5. Apply a thin bead of sealant to the exposed edge of the exterior blind stop (interior trim, if installation is from exterior).
6. Place the new replacement window into the rough opening. Raise the head of the window into the head. Lower the window onto the sill against the stool and center the window. Check and adjust the window for level and square using a diagonal measurement from the top corners to the opposite bottom corners.
7. Place the interior of the new replacement window against the sill end of the interior stool. If installation is from the exterior, firmly press the window into the sealant on the exposed surface of the exterior blind stop interior trim.
8. Using one of the #8 x 3, non-corrosion type pan head screws, (available upon request) fasten one of the upper corners of the jamb to the opening through one of the pre-drilled holes in the frame jamb. Hold the window tightly against the stop while fastening. Shim at each fastener location. Screws must penetrate sub-framing by 1" or greater.
9. Check the window jambs for plumb, the sill for level and the unit

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for square.

**10.** Close an operable sash against the jamb, leaving a small gap. This reveal between the sash and jamb should be even. (Illustration 1A & 1B)

**11.** Hold the window tightly against the stop (or trim) and secure the frame jambs by placing screws in each of the pre-drilled holes in the jambs. Shim at each fastener location. (For larger windows, secure the head by installing screws into the inner head sash track with one screw at the meeting stile.) Do not over-tighten screws, as doing so may cause the jambs to bow.

**IMPORTANT: Do not screw through the sill; use trim or structural adhesive to secure.**

**12.** Carefully spray a bead of foam between the window and opening. Immediately finish with the interior and/or exterior trim to avoid foam expanding into the trim area or wait until foam has cured and then cut off excess and apply trim.

**13.** If the installation was from the interior, the interior trim was removed. Apply a continuous bead of sealant to the perimeter where the interior trim belongs and re-install or replace it.

**14.** With a continuous bead, seal around the exterior perimeter of the replacement window frame where it meets the existing frame.

**IMPORTANT: Adjust sill angle to fit. To install, snap the sill angle into the groove under the screen pocket. Apply sealant to the bottom and side edges of the sill angle trim. (Illustration 2)**

**15.** Cap the exterior of the old existing frame with PVC coated aluminum (Highly recommended but not required). Do not block weep holes.

**16.** Install Balance Pocket covers by raising and tilting in bottom sash. These covers will snap into the inside pocket of the frame and will start at the top against the head of the window. (See illustration 3A & 3B)

**Disposal:** Please dispose of your old windows in a safe and responsible manner. Feel free to call us for more details.

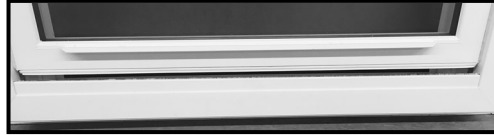


Illustration: 1A



Illustration: 1B



Illustration: 2



Illustration: 3A



Illustration: 3B



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