

Installation Guidelines

For applying sill pan flashing system

Installer:

- **Read these instructions completely before starting any installation.** Failure to install and maintain our product according to these instructions will void any warranty, written or implied.
- These instructions are consistent with ASTM 2112 “Standard Practice for Installation of Exterior Windows, Doors, and Skylights” into common wall constructions. Contact your architect or construction professional for installation into other building designs or constructions methods.
- The installer is responsible for consulting the contractor, structural engineer, architect, or consumer, for proper installation according to local codes and/or ordinances.



Warning:

- Proper eye and hearing protection must always be worn when installing, removing or performing adjustments to Quaker window and door products.
- Use power tools properly! To avoid personal injury, always follow manufacturers’ instructions for safe operation of power tools.
- If broken, glass can fragment causing injury. All Quaker products are available with safety glass. In many areas, local building codes require safety glass in certain locations and/or applications. Unless Quaker’s stipulations dictate safety glass or safety glass is specifically ordered, Quaker windows are not provided with safety glass. Before installing, Quaker recommends consulting local building codes for more definitive information.

Caution:

- Lead-based paint may be present in older homes, and the removal of windows may cause this paint to be disturbed. In order to minimize exposure to lead-based paint dust, please consult www.epa.gov/lead.
- Care must be taken to properly recycle or dispose of old materials. Any recyclable materials should be separated from non-recyclable or hazardous materials. Please consult with local or state authorities regarding proper disposal of non-recyclable or hazardous materials.
- Some codes require the use of pressure treated lumber to line rough openings. Corrosion resistant materials, such as stainless steel or hot-dip galvanized steel, must be used for fasteners and anchors having direct contact with pressure treated lumber.

Important:

- Quaker reserves the right to change the information contained in these guidelines without notice.
- Maintain a minimum of ¼” between the exterior window frame and any trim, siding or masonry to allow for expansion.
- Window nailing flanges and drip caps (integral or applied) do not take the place of window flashing. All windows and doors must be properly flashed and sealed around the perimeter.
- Use of Quaker products in barrier EIFS systems (synthetic stucco) is not recommended.
- Do not drill through window sill to install alarm wires.
- If using muriatic acid or brick wash cleaning solutions, please follow the manufacturer’s instructions found on the product label or on the manufacturer’s website.

Handling and Storage:

- Do not store units outside, or in a hot environment.
- When carrying window, always keep it in a vertical position. **Do not carry flat**, doing so could result in damage to the unit.
- Stack units as straight as possible to avoid bowing. **Do not lay flat!**

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Quakers sill pan flashing system is recommend for all nail fin mulled units other than wood units.

These instructions are for installing Quaker's sill pan flashing system with all vinyl, M600 & H600 series products. Contact your Quaker window and door supplier for more information. Please visit our website at www.quakerwindows.com or call at 1-800-347-0438 for additional literature and information.

Tools required by installer:

- Safety Glasses



- Utility knife



- Hacksaw



- Caulk Gun



- Tape measure



Materials required by installer:

- Silicone Sealant
 - 100% silicone ASTM C920 compliant
 - Neutral cure (modified oxime) only
 - Some sub-states made need to be primed before sealing. Consult the sealant supplier.
- Shims
 - Made of cedar or synthetic material
- Flashing
 - Self-adhesive flexible flashing that complies with ASTM-D779 and AAMA 711
- PVC cement

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Step 1: Inspect unit and sill pan flashing system before installation

- A. Match up the sill pan flashing system with the correct window unit. Flashing will be labeled to match sales order & line number of the window unit.
- B. Remove all shipping packaging material (blocks, pads, protectors, stretch wrap) and dispose/recycle properly.
- C. Inspect unit for any damage or defects, and make sure the unit operates properly.
- D. Verify that the window unit is the correct size and configuration.
- E. Contact the nearest Quaker distributor if there is a problem. Provide the sales order number on the warranty sticker (see <http://quakerwindows.com/wp-content/uploads/2013/04/Warranty-sticker-locations01-30-2015.pdf> for sticker locations).

Step 2: Prepare rough opening

- A. The opening should be prepared per Quakers standard nail fin installations guides. (Fig. 1)

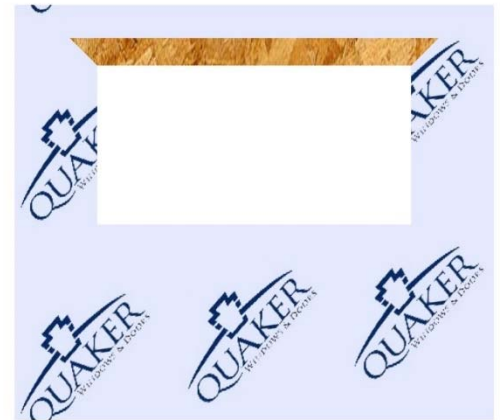


Fig. 1

Step 3: Sill pan flashing

- A. Shim and level the sill as needed. (Fig. 2 & 3)
 - Make sure to shim both windows at mullions. (Fig. 4)
 - Sill **must** be level for proper installation.

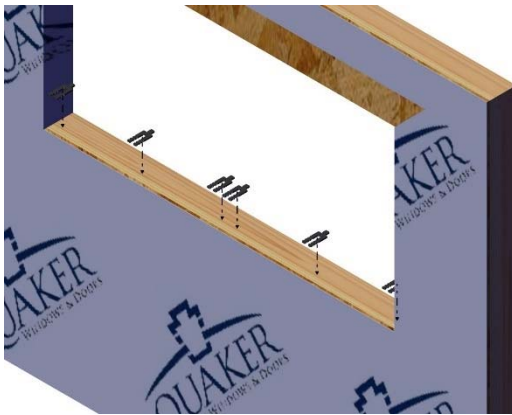


Fig. 2

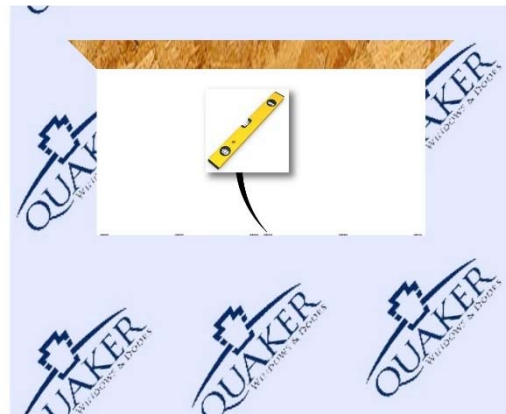


Fig. 3



Fig. 4

Installation Guidelines For applying sill pan flashing system

Step 4: Sill pan flashing corner installation

- A. Apply a beads of sealant on each the back and bottom smooth (non-stepped) sides of the corners. (Fig. 5)
- B. Install the corner molds into both corners making sure they are tight against the rough opening and shimmed sill. (Fig. 6)

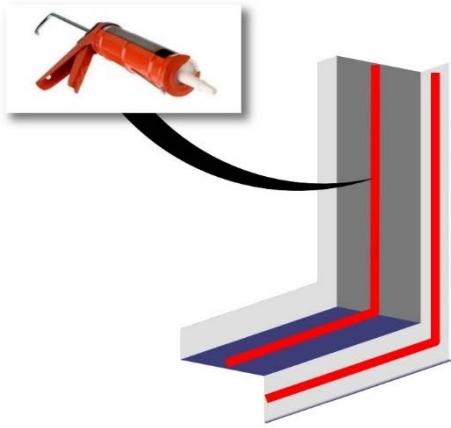


Fig. 5



Fig. 6

Step 5: Sill pan flashing center installation

- A. Measure and cut the center sill flashing section. (Fig. 7)
 - Cut the side that has the 4" notch so you have at least 2" of overlap on each side.
 - Dry test fit to make sure everything will fit together with the proper flush overlaps before step B.
- B. Apply a continuous beads of sealant on the sill and exterior wall face between the corners. (Fig. 8)
- C. Clean the ends before applying PVC cement to both ends of the center and both corners. (Fig. 9)
- D. Set center flashing section in place pressing firmly to allow cement to bond. (Fig. 10)

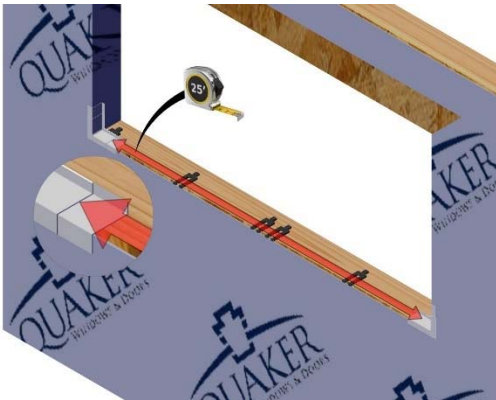


Fig. 7

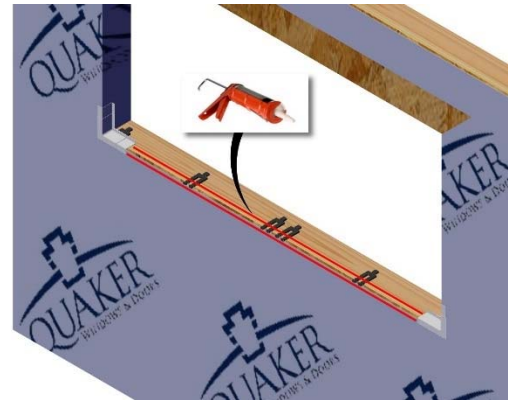


Fig. 8

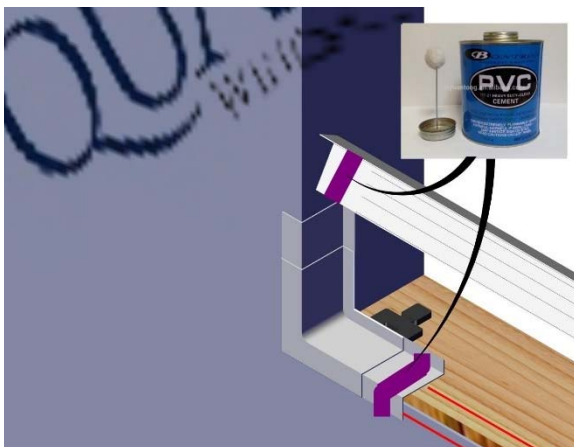


Fig. 9



Fig. 10

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Step 6: Sill pan flashing sloped section installation

- A. Measure between the two corner molds and cut the sloped section 1" less to allow for the curves in the corners. (Fig. 11)
- B. Install sloped section making sure the ribs on the bottom lock into the ribs on the center sections. (Fig. 12)

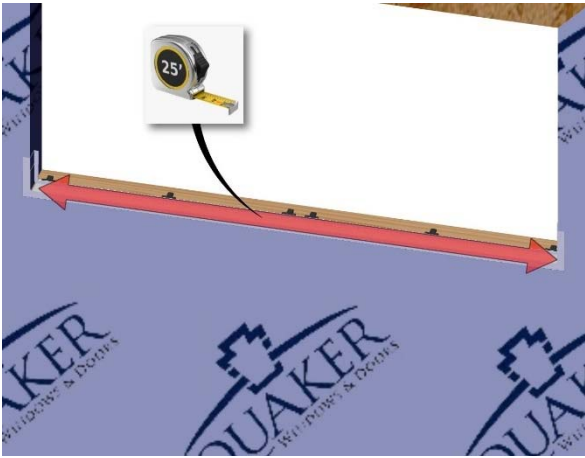


Fig. 11

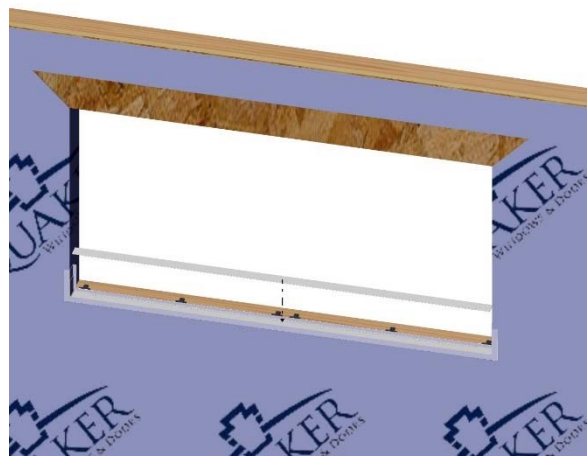


Fig. 12

Step 7: Window installation & interior sealant

- A. Install the window per Quakers standard nail fin instruction guidelines (step 4). (Fig. 13)
- B. Apply a bead of sealant to fill the gap between the sill pan flashing system and the window unit. (Fig.14)
 - Make sure to seal all the way up both ends of the corner mold against the window also.
- C. Insulate around the entire perimeter of the window. (Fig. 15)



Fig. 13

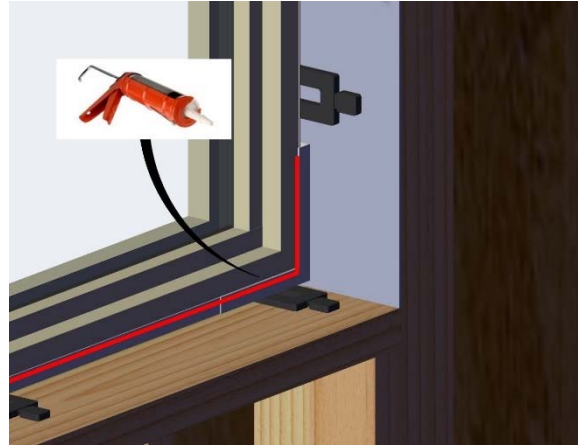


Fig. 14

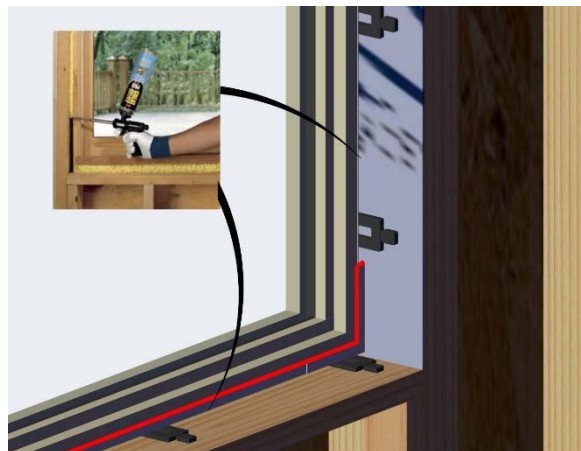


Fig. 15