

Seven D Industries, L.P.

New Construction Vinyl Window Installation Instructions

General

Proper installation is essential for the maximum performance of this window. Please read these instructions completely before starting installation of window. These instructions detail the recommended window installation method of Seven D Industries, L.P. New Construction Window Products. Failure to follow these instructions may result in window performance loss and/or void the product warranty.

The window installation instructions account for house wrap being installed on the structure and the rough openings have been cut out. Alternate installation methods maybe acceptable, determining the acceptability of an alternate installation method is the responsibility of the housing builder.

Appropriate personal protective equipment shall be worn at all times during the installation process. Utilize proper lifting techniques, as window product will be heavy. Failure to do so may result in personal injury. These instructions are not intended to address all potential safety issues related to window installation, it is the housing builders responsibility to establish safety procedures and provide a safe working environment.

It is the housing builders responsibility to insure that all products and methods used in their housing conform to all applicable building codes and regulations. Seven D Industries, L.P. does not warrant that the products and instructions provided comply with all applicable building codes and regulations.

Window products shall be delivered to site in a protective shrink-wrap. Store in a clean, well ventilated area away from direct sunlight. Support twin and triple units at multiple locations to prevent bowing which may result in permanent damage to window unit.

Care should be taken when handling products, as it is possible to damage the window through improper handling of the product. When handling window products always use both hands, one each on opposite sides of window unit.

The installed window must be protected from debris caused by other trades as this debris may damage the product and/or effect the proper operation of the window.

Rough Opening Preparation

Verify new construction window will fit into rough opening before beginning installation. Rough opening dimensions should be about ½" larger than window dimensions in both width and height. Check sill plate for level and the opening is plumb and square. Shim as required providing a level surface for the new construction window to be set on should the sill plate be out of level.

Wood frame walls shall be clean, dry, sound and well nailed and/or glued, free of voids and without offsets at joints. Ensure all nail heads are driven flush with all surfaces in the opening and within three inches (3") of the opening.

Inspect exterior face of wall at the rough opening, making sure surface is dry and contaminate free. The surface must be flat and free of voids and imperfections to provide a good flat bonding surface for silicone sealant.

Cut a piece of flexible flashing 12" longer than the rough opening width. Position the flashing on the face of wall at sill end of rough opening, aligning edge of flashing with sill plate with excess spaced equally each side of rough opening. Adhere flashing to wall construction.

At head of rough opening, make a 12", 45-degree diagonal cut into house wrap at each corner of jamb and head. Fold house wrap upward and secure for installation of window unit.

Window Inspection and Preparation

Remove protective wrapping from window and carefully inspect for damage due to mishandling of product. If product is damaged in any way, contact Seven D Industries, L.P. for instructions.

Inspect nail fin for distortion and/or damage to the extent they will not seat flat against exterior face of wall. If damaged or distorted, straighten nail fin to insure contact with exterior wall surface. If sections of nail fin are broken out, contact Seven D Industries, L.P. for instructions.

Windows must be in the closed and locked position during the installation process to ensure proper weatherstrip clearances are maintained for maximum performance of the window.

Apply a liberal bead of 100% silicone caulk continuously along the outside surface of the rough opening. Bead should be positioned a maximum 1/2" from perimeter of rough opening and large enough to form weather tight seal with window nail fin.

Window Installation

Position the new construction window into rough opening centering within the opening and pressing frame against wall, secure window sufficiently at the head to check for proper operation and locking.

Window must be plum, level, square and true to plane. Adjust and shim as required to insure proper operation of new construction window product.

NOTE: DO NOT SHIM WINDOW HEAD! Allow for rough opening to sag with out interference of window operation. Screws must penetrate a minimum of 1-1/4" into wall stud. Screw length is determined by adding exterior wall material thickness to minimum screw length. (Example: material thickness 1/2", 1-1/4" + 1/2" = 1-3/4" use 1-3/4" screw length).

Do not over drive screw into nail fin as to deform nail fin and compromise seal between window and exterior wall. Use caution in cold temperatures, as vinyl will become brittle and subject to cracking very easily.

Starting at one of the top corners of the new construction window unit. Install a #8 head screw of sufficient length to penetrate a minimum of 1 1/4" into substrate through hole provided in nailing fin anchoring the window to new construction wall. Repeat procedure at other upper corner.

Recheck window for level, plumb, square and true to plane, adjust if necessary.

Anchor bottom corners of window to new construction wall. Recheck window for level, plumb, square and true to plane, adjust if necessary.

Starting at any corner, continue installation procedure by installing a #8 head screw of sufficient length to penetrate a minimum of 1 1/4" into substrate in every other hole around the perimeter of window unit. When DP50 rating is specified, screws must be installed into every hole.

Additional Installation Procedures

Cut two pieces of self-adhesive flexible flashing approximately six inches longer than window height. Position flashing with end approximately 3" above head of window, and edge aligned with window jamb, adhesive surface towards house wrap. Adhere to house wrap and window, repeat process on other jamb.

Cut head flashing approximately 14" longer the window width (18" longer if using 9" width flashing). Install across head of window in same manner as jamb aligning edge of head flashing with outside edge of jamb flashing. Release house wrap and drape down over flashing. Tape over diagonal cut at each corner to avoid water penetration through house wrap.

Ensure windows operate correctly, free from binding or other defects.

Fill cavity between window and rough opening with fiberglass insulation. Do not overfill, as overfill will cause binding of sash during operation. Do not use foam fill, as foam fill will expand and bow frame when cured. Recheck operation of window.

Caulk around perimeter of window after exterior wall finish is applied. This step is not required for windows with an integral j-channel.

Clean all window surfaces to remove soil with a solution without abrasive cleaners or containing corrosive solvents.

Leave window unit in a closed and locked position.