

1.0 Summary.

A successful Zola window install has the following objectives:

- anchoring the window securely to the building while keeping the frames perfectly square
- creating an airtight connection from the inner part of the window frame to the airtight layer of the house
- waterproofing the outside of the window
- insulating any space between window and building, and, if desired, overinsulating the frame to increase thermal performance.

1.1 Install details.

Typical install details for common wall types are available on the Zola website, custom install details may have been developed specifically for your building with your architect. If you are planning on using something other than a standard Zola detail or a custom detail that we have created for you, you must submit your detail to Zola for approval prior to installation. Failure to do so may compromise your warranty.

1.2 Sequence of install and preparation.

The sequence of steps to achieve the objectives from the summary will vary depending on which materials you decide to use, as different brands of tapes may be applied to the side or face of frame. Plan your sequence and write it down for all installers to be aware of.

Prepare the rough opening by wrapping it with a water and airtight material that you can safely connect your chosen tapes or foams to. This can be done by Peel and Stick, liquid flashing, or other methods. Verify compatibility between this material and the install tapes.

1.3 Anchoring methods.

Anchoring may be done by one of the following two methods:

- German made window install screws, diameter 7.5mm, slim T25 head. Length will vary depending on your

construction, between 92mm and 132mm. Recommended for operable windows. Pre-drill through the middle of the outer frame. The first screw shall be located no more than 8" from the corner of the window, with a 24" o.c. spacing after that. Shim the window as needed in the opening and take the utmost care not to deform the frame - it must be kept square. Place blocking under each screw.

-Zola Brackets. Zola brackets are provided oversized and key into the grooves on the frame. Use a Boltcutter to shorten brackets for your application. Use 1 1/4" screws to mount bracket to window with at least two screws, and suitable screws to mount the bracket to your wall system. Spacing shall be the same as for the screw method. Place blockings in the rough openings at bracket locations. Brackets are recommended for use in fixed window assemblies where the screw head cannot be hidden by the sash, or in earthquake zones where it is desired to sufficiently decouple building movement from impacting the window frames. The disadvantage of using brackets is the greater potential to inadvertently create a thermal bridge.

1.4 Removal of sash.

To reduce window weight during install you may remove the sash. Pull the pin in the upper hinge down and out. Tilt the window in and lift it off the lower hinge. Reinstallation of sash is the reverse procedure. Sashes and frames are matched, do not switch sashes between frames.

1.5 Water and air tightness.

The goal is to achieve an airtight inner connection, a waterproof but breathable outer connection and a well insulated gap. There are two main strategies to achieve this:

- using an outside tape, an inside tape and spray applied foam in between
- using a three in one membrane to combine it into one step

1.6 Tape and foam method.

The tape and foam method is strongly recommended for contractors without extensive experience in the install of European windows, or where the precision of the r.o. cannot be guaranteed.

Select the tapes you will use in advance of your project. Zola does not include tape in your order. However, you can order Siga Tape through Zola Windows or other providers. Zola typically recommends using a wide Siga tape such as Siga Wigluv 150 to prepare the rough opening and Siga Wigluv 20/40 to go between the unit and the wider tape on the rough opening (in the case of aluminum clad units, please make sure to attach the tape to the frame and not to the cladding).

This has proven to be a reliable and easy to execute install method. Follow the tape manufacturers instructions for attaching their tapes, and take extreme care at corners and at intersections with Zola brackets.

1.7 Liquid flash and caulk method.

An alternative to the tape and foam option is a Prosoco instal system. In this system Fast Flash Prosoco can be used to prepare the rough opening and AirDam can be used to seal the windows and doors.

Note that these systems cannot be combined - that is installers should use either the tape and foam method or the liquid flash and caulk method but should not use one for the rough opening and the other to seal the units.

1.8 Extra notes for aluminum clad windows.

The aluminum cladding on Zola Windows is a rainscreen type cladding. This means the vast majority of water will be shed in front of the cladding, but your watertight connection must be made to the wood or Purenit window frame, NOT the cladding. If you return siding against the cladding, a caulk bead is recommended. However, this does not eliminate the need for a waterproof connection by tape to the frame.