



Thermal Window Installation Instructions

UNIVERSAL FIN

This window contains one the following factory installed head, sill and jamb fin kits: **Universal Fin**

NOTE: ***see separate installation instructions for windows with Regular or Architectural fins***

- The following instructions apply to the horizontal slider, fixed, single hung and all projected windows configurations.
- Windows with **Universal Fins** are designed to be factory attached to a steel subframe system, or field installed to a steel or wood framed opening. In either case, **the window must be anchored in place before the wall panel is installed.** It is very difficult to install this system by cutting holes in the wall panel after the building is sheeted.
- Note that the actual window dimension is smaller than the nominal size. The actual frame is (nominal window width - 3 13/16") X (nominal window height - 2 3/16"). For example, a 3040 window is actually 32 3/16" x 45 13/16".
- The window system jambs do not have to align in any particular manner with the wall panel ribs or flats. However, an installation where the jambs lie on the wall panel flats may be easier to seal at the jambs. **A wall panel lap must occur within the width of the window.** The only practical installation method is to piece wall panel halves around each side of the window.

Installation steps:

1. Stand up the window factory attached to a steel subframe system, or field install the window to a steel or wood framed opening with appropriate fasteners by others. Ensure the window frame itself is plumb and level. If a steel subframe system is used, follow the distributor's instructions to anchor the window to the floor slab below and the building girt above.
2. Sheet the building. **Cut the wall panels as tight as possible around the window.** This is particularly important at the head where a small joint between the wall panel and the head fin is easier to seal. The attached drawing shows where the wall panel stops in relation to the jambs of the window – any closer and the installer will not be able to seal properly or snap on the jamb covers. **The window Universal Head Fin is notched to allow the wall panel to slide into the window head fin when the window is installed on the flat of the wall panel.** Notching of the wall panel may be required if the **Universal Fins** fall on the rib of the wall panel.
3. Place the wall panel manufacturer's interior closure (by others) between the inside of the wall panel and the head fin at the top of the window, and the exterior foam closure between the outside of the wall panel and the exterior leg of the window sill. The foam closures control air infiltration, especially at the sill, and provide a caulk stop for the window sealant. **At the ends of the window sill, provide sealant between the interior side of the foam closure and the exterior of the hinged flap and between the top of the foam closure and the bottom of the sill fin to prevent water from migrating under the window sill fin from each end.**
4. Secure the window to the wall panel at the head and jambs with self tapping wall panel screws (by others). Use rubber washered TEKs or seal fastener heads accordingly. Screws are put in from the outside of the building. Screws at the head will also hold the foam wall panel closure in place. Screws at the jambs will minimize the gap to seal under the jamb fin covers.
5. Seal between the wall panel and the jamb fin before installing the jamb covers. This is particularly important at the sill corners. Without sealant here, water will end up behind the wall panel. The window system should be sealed such that it will not leak water before the jamb covers are installed.
6. Snap on the two jamb covers. These covers are designed to be very difficult to remove once installed, so make sure all jamb anchorage and sealing is complete before the covers are snapped on. If the window happens to fall on any part of the wall panel rib, the outboard leg of the cover can be cut down with a table saw, or peeled off with pliers or vise-grips. Caulking around the exterior of the jamb covers is optional. It should not be necessary if the sealing in step 5. above is done properly.
7. **Caulk the full width of the wall panel across the top of the window. Water can not be permitted to get behind the wall panel at the head of the window or it may leak to the inside of the building.**
8. **Sealant must also be placed on the inside of the wall panel between the ends of the head fin and the wall panel, and sealant applied over the interior side of the wall panel corner notches cut in 2. above. This provides a secondary seal against the possibility of the head fin and head corners leaking.**

For Support or Service call Global Building Products at 574-296-6868, Monday through Friday, 8am to 5pm EST.