January 1, 2017

INSTALLATION INSTRUCTIONS FOR TEUTONIC® SLIDING PATIO DOORS

RECOMMENDATIONS FOR COMMON INSTALLATION OF SLIDING PATIO DOORS.

Installer: DO NOT DISCARD Please leave the Installation Guide with the home owner to file for future reference.

Please read and follow the Installation Instructions completely before installing. If you have any questions about this or any of our products, please call your local Kolbe & Kolbe dealer.

Proper Installation

Proper installation and maintenance of this product is essential to its performance. The following instructions are to be used as guidelines only. Kolbe recommends consulting a local Kolbe supplier or an experienced contractor, architect, or structural engineer since every installation is different. Installation of this product is the sole responsibility of the architect, contractor, building owner, or consumer and Kolbe has no responsibility in this regard.

- 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 for more information.
- 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.
- In light of the Exofol film's low surface tension and dirt repellant characteristics, it is important that proper sealants are chosen and used for sealing the perimeter of the window and door frames to the surrounding building structures. Sealants that have been approved are Dow Corning 758 silicone sealant and Dow Corning 795 silicone sealant.

Job Site Tools for Door Installation

- Safety Glasses
- Cordless or Pneumatic Reversible Driver
- P2 Phillips Head Bits (6 inches long)
- Cordless or Pneumatic Caulk Gun
- Level
- Tape Measure
- Construction Pencils
- Sealant
- Shims
- Phillips screw driver

STEP #1: PREPARE ROUGH OPENING

1. The material/lumber quality and the fasteners must be structurally adequate for design load requirements.
2. Typically, the rough opening should be 1/2" (13mm) wider and 1/2" (13mm) higher than the outside measurement of the door frame.
3. The rough opening must be plumb, square, level and in plane.
4. Individual construction members should not be twisted.
5. The floor beneath the unit must be solid and level for proper unit operation.

STEP #2: PRELIMINARY PREPARATION

Remove the shipping packaging, skid plates or factory applied bracing. Make sure the unit is not damaged and the dimensions are appropriate for the rough opening. Check that you have all necessary hardware.

CAUTION: Before applying sealant, make sure the area to be sealed is clean, dry, and frost-free. Use color-matching or transparent sealant.

STEP #3: SEALANT AND FLASHING

Kolbe recommends following ASTM E 2112-01 guidelines for sealing and flashing exterior doors.
Maintain a gap of at least 1/4" (6mm) between the door frame and the rough opening structure. Create a proper seal between the door and the building exterior. For more details, see our pamphlets *Sealant Information* and *Flashing Information*. These publications are available from your Kolbe Window and Door supplier or visit our website to download a copy.

See Fig. 3 Run two 3/8” (10mm) beads of sealant across the width of the subfloor and up each side, a minimum of 12” allowing the sealant to pool in the corners. Run the first bead 1-3/8” (35mm) in from the exterior face of the wall and the second bead 2” in from the first bead.

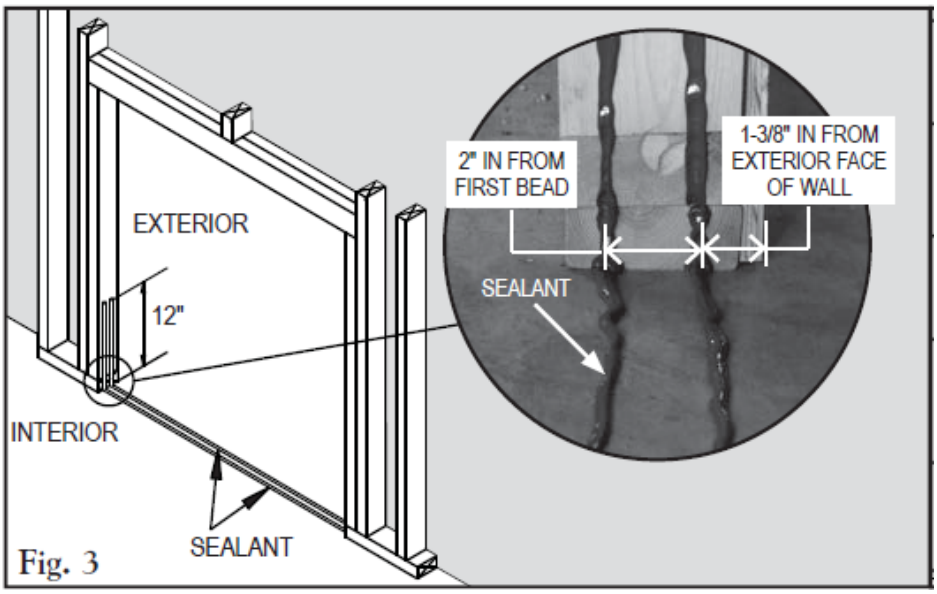


Fig. 3

From the exterior, tilt the unit, sill first into the rough opening. Center the unit in the opening.

See Fig. 4. To check that the unit is square, measure both diagonals from the interior, the measurements must be within 1/16” (2mm) of each other. The height of the frame at the center must be the same as the height at each end. The margins around the door should be even. Add shims if necessary to square the unit in the opening.

See Fig. 4. Shims and screws should be placed along the head and sill at 6” (152mm) from the corners/ends and every 10” (254mm) between. At the jambs, shims and screws should be placed at 6” from the corner/s ends and every 18” on center between.

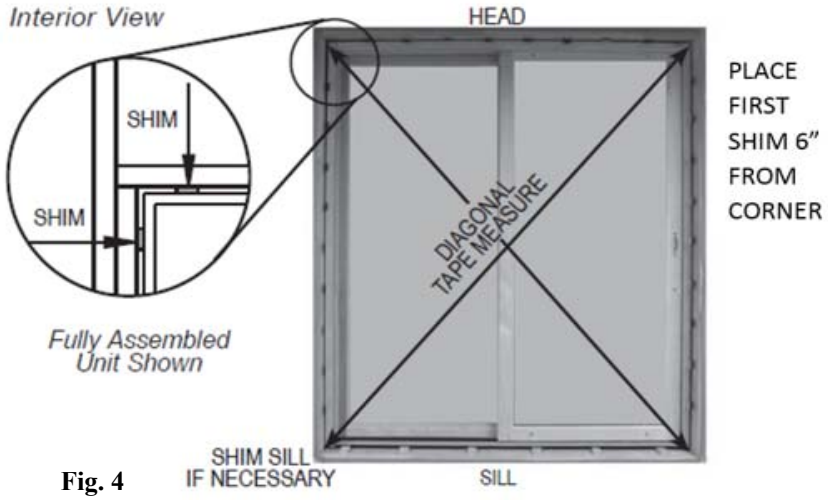


Fig. 4

See Fig. 5. The active panel side jamb must be screwed through the frame inside the active panel pocket. Mark the screw locations on the tower of the active jamb and pre-drill pilot holes through the frame using a 9/64” (4mm) drill bit. Use a #10 x 3-1/2” (89mm) pan head screws (provided by others) at each pre-drilled location of 6” from the corners and 18”o.c.

Note** When installing keepers on the active jamb a 3-1/2” screw is used through the keeper and jamb into the opening. Screws supplied in installation kit.

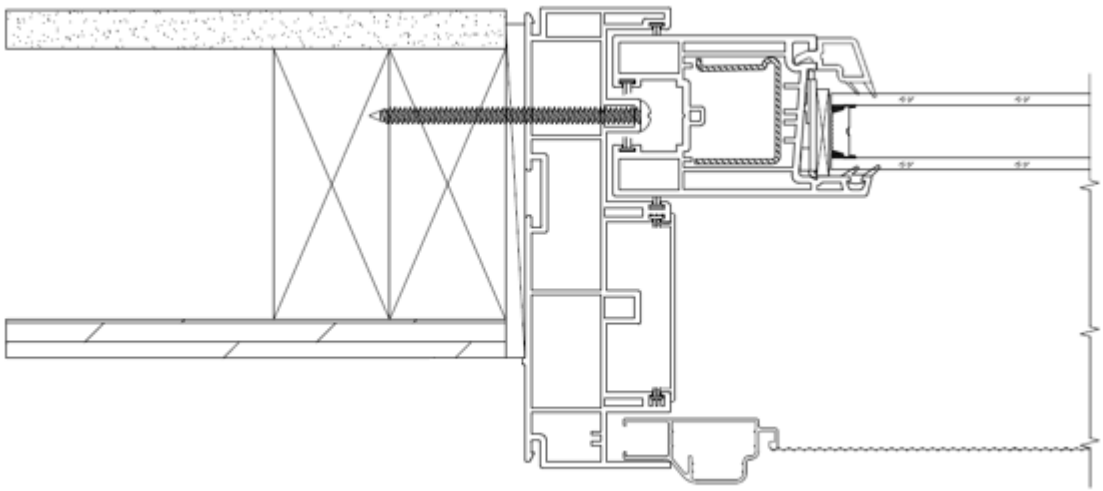
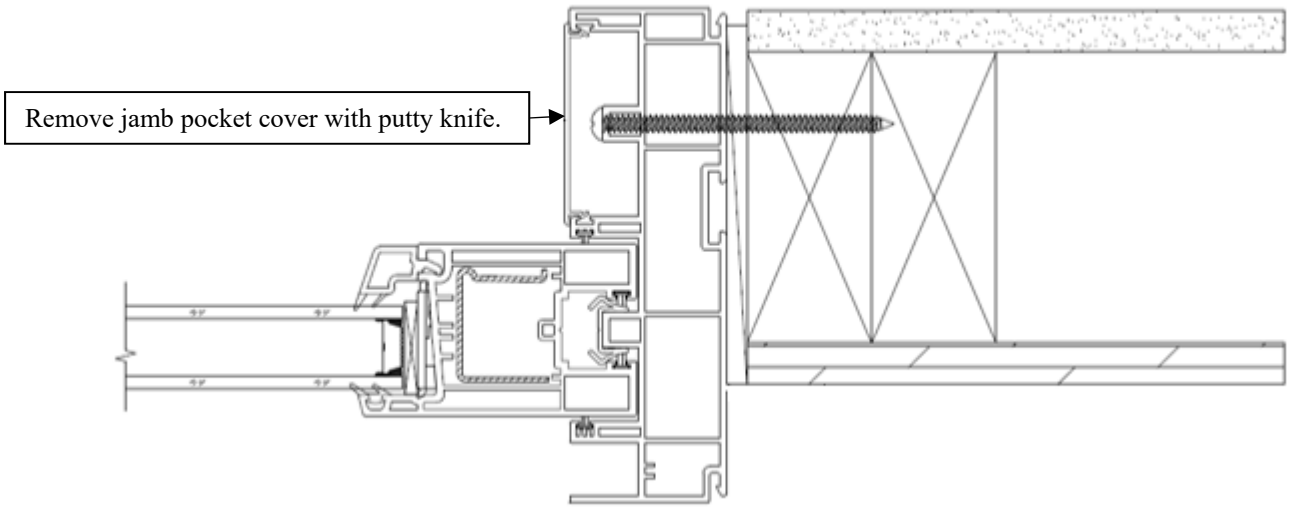


Fig. 5

See Fig. 6. The fixed panel side jamb must be screwed through the frame inside the active panel pocket. Remove the interior jamb pocket cover with a putty knife. Mark the screw locations on the tower of the active jamb and pre-drill pilot holes through the frame using a 9/64” (4mm) drill bit. Use a #10 x 3-1/2” (89mm) pan head screws (provided by others) at each pre-drilled location of 6” from the corners and 18”o.c.



See Fig. 7. The head of the door must be screwed in the same active pocket and tower as the two side jambs. Mark the screw locations on the tower and pre-drill pilot holes through the frame using a 9/64” (4mm) drill bit. Use a #10 x 3-1/2” (89mm) pan head screws (provided by others) at each pre-drilled location of 6” from the corners and 10”o.c.

See Fig. 8. The sill of the door must be screwed in the same active pocket. Mark the screw locations and pre-drill pilot holes through the frame using a 9/64” (4mm) drill bit. Use a #10 x 3-1/2” (89mm) pan head screws (provided by others) at each pre-drilled location of 6” from the corners and 10”o.c. before screwing the sill down place silicone in each pre-drilled location prior to installing the screws.

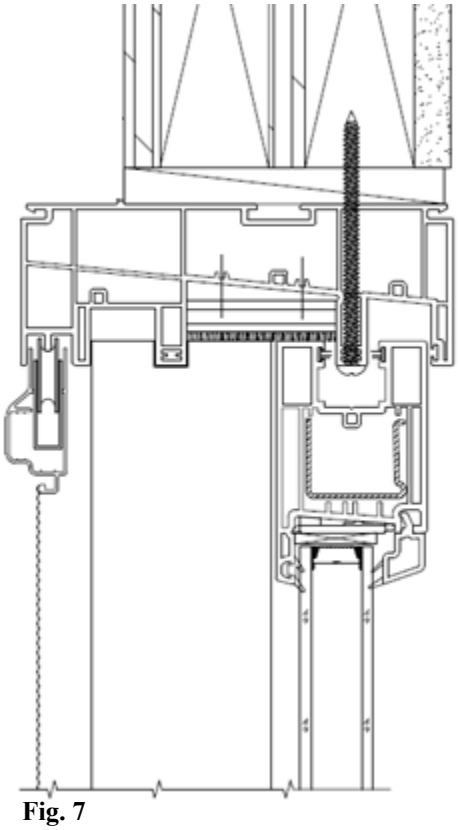


Fig. 7

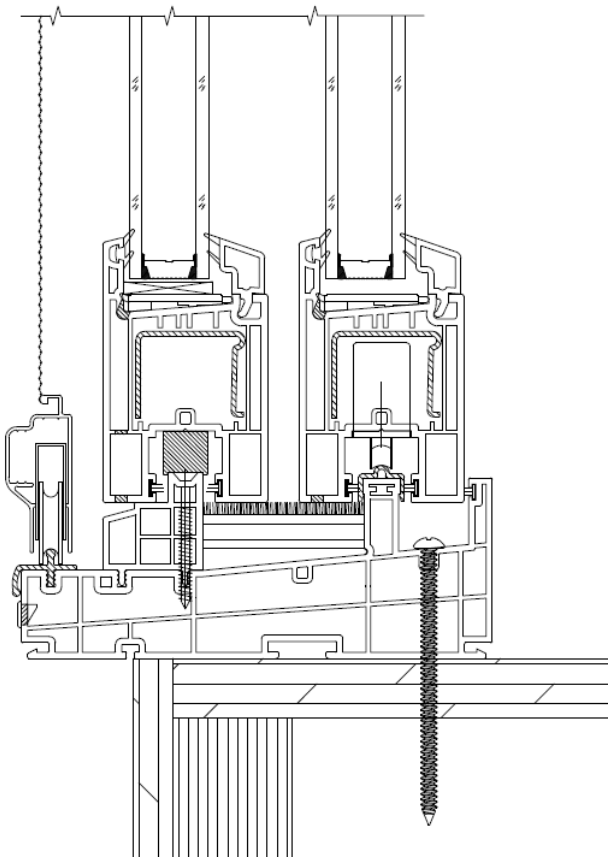


Fig. 8

Sidelite units

For a sidelite the process is the same except the sidelite requires a 3/8” pilot hole to be drilled on the interior side. Drill holes in the frame. Apply sealant to each screw hole to prevent penetration of water. Cover the hole with a 3/8” color matched cap. Secure the sidelite sill to the subfloor using the #10 x 1-1/2” (38mm) pan head screws.

See Fig. 9. The panel rollers may need to be adjusted for the unit to function properly. Slide the active panel open slightly. Check for a consistent margin from top to bottom. To adjust the margin, insert a standard Philips head screwdriver into the hole at the bottom of the panel, clockwise = up, and counter clockwise = down. This will raise or lower one corner of the panel. When the door is adjusted properly place a plug in the hole on the active panel.

Fig. 9

STEP #4: COMPLETE THE EXTERIOR

Kolbe recommends installing backer rod and silicone around the perimeter of the door. A drip cap is also required to be used the entire length of the door and silicone is to be used to ensure the drip cap is sealed to the head of the door.

STEP #5: COMPLETE THE INTERIOR

Kolbe recommends installing fiberglass insulation in the gap between the door frame and the rough opening. Using a putty knife, loosely fill the entire depth of the gap with insulation. Apply interior casing and secure with finishing nails.

Install the optional foot bold/secondary security lock and screen per their directions.

Install the handle set per their directions.

STEP #6: MAINTENANCE TIPS AND PROCEDURES

Inspect your Kolbe products periodically/yearly to see if the exterior sealants and/or finishes have any gaps, cracks, or signs of damage and deterioration. Caulk any cracks immediately with a high-quality sealant to maintain the seal integrity and to prevent air and water infiltration.

CLEANING

A yearly cleaning with a mild unscented soap and sweet water (tap) solution is recommended for the panel and frames; rinse well. Clean glass with standard glass cleaner, keeping it from running onto the panel and weather-strip.

CAUTION: Do not pressure wash. Do not use any kind of abrasive. Abrasives can cause permanent damage to the PVC and finish.

HARDWARE

Check all fasteners, making sure all hardware is properly secured. All operating components can be greased or oiled once a year. Security strikers made of steel require continuous greasing to avoid unnecessary abrasion.

INSULATED GLASS

Broken or fogged IG units that require re-glazing or replacement should be referred to your Kolbe distributor.

THANK YOU
FOR PURCHASING KOLBE PRODUCTS.