

FIBERGLASS DOOR SYSTEM

Installation Instructions

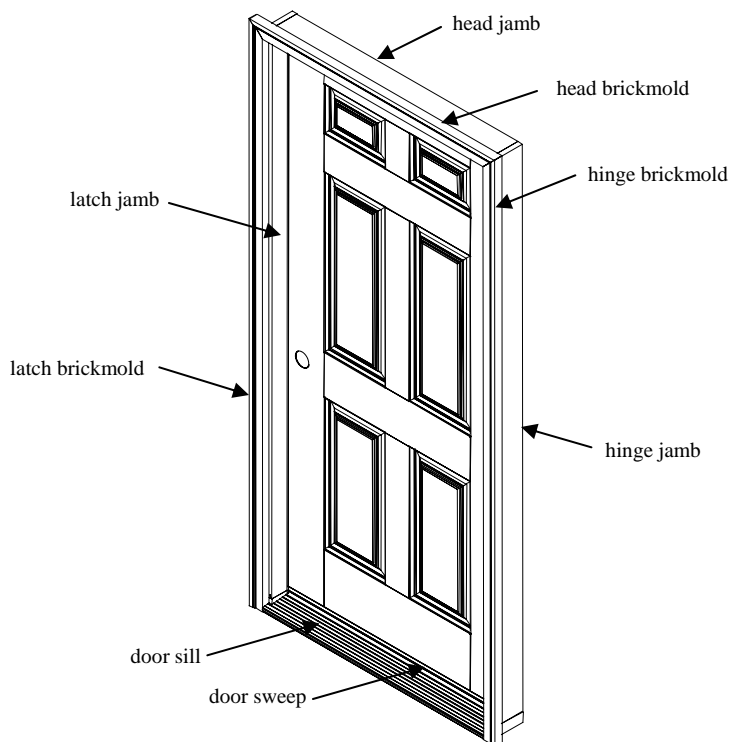
Thank you and congratulations. You have just purchased a premier fiberglass entry door system. If you have purchased an unfinished door system, we recommend that you paint/stain before installation. Refer to the finishing instruction section in this document. Please follow the instructions carefully for proper installation.

CAUTION: Some door units are heavy and may require two people to lift and install. Use proper lifting techniques and follow safe working practices.

Tools and materials needed:

Tape measure, Hammer, Square, Level, Wooden shims, #8 x 3" drywall screws, 10d finish nails, screwdriver, Power drill with Phillips drill bit, Safety glasses, Rubber gloves, Caulking gun with quality exterior sealant, Putty

PARTS OF A DOOR SYSTEM



Before you begin:

1. Do not remove the plastic door plug until instructed to do so. This is used to keep the door system closed and aligned. For the door unit that has handles on the latch and hinge jambs, remove them. If you need to extend the width of the jambs for a thicker wall, you need to purchase a jamb extender kit. Also, cover the door sill to protect against harmful particles or scratches during installation or between long period of building construction and occupation. Note that a contact with wet cement or cement powder will damage the sill finish.

2. Make sure that the new door will properly fit your frame opening. Refer to the literature for the recommended rough opening dimensions. The recommended rough opening is $\frac{3}{4}$ " wider and $\frac{1}{2}$ " higher than the door prehung unit. Resize the opening if needed. Verify that the frame opening is level, square and plumb. Minor out of level conditions can be corrected by using shims but major misalignments need to be corrected before installation.

INSTALLATION:

1 IMPORTANT: Before setting the door unit to the rough opening, apply generous beads of caulk to the underside of the door sill at locations shown in figures 1a or 1b including the plastic jamb adapter and brickmold. Make sure that at least 4 lines of bead seal the full width of the sill. Also apply a continuous and generous of bead of caulk to the back side of brickmolds as shown in figure 1c.

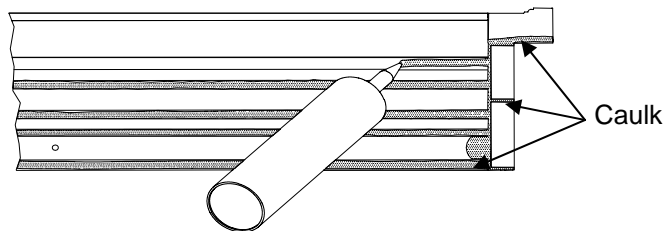


Figure 1a (In-swing)

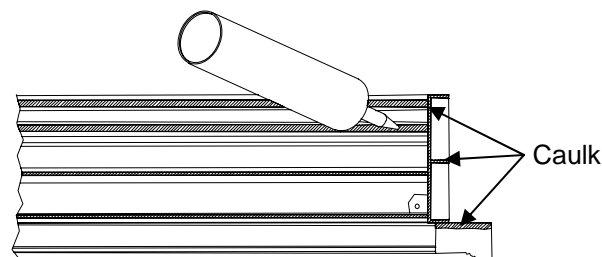


Figure 1b (Out-swing)

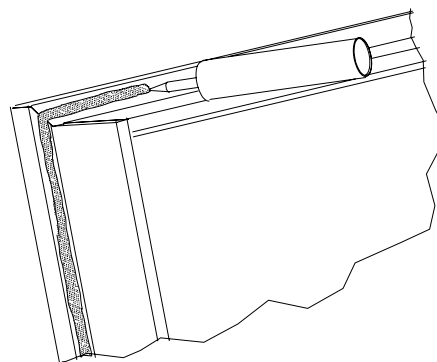


Figure 1c

2 For a single door, remove the bolt from the plastic door plug. From outside, set the door unit into the opening per figure 2a. For a heavier door system, get help when lifting, setting and aligning.

From the inside, place a solid shim directly behind each hinge between the hinge jamb (or approx. same level as hinges on sidelite jamb) and opening frame per figure 2b. Keep the door unit level, square and plumb on all four sides. Remove the plastic door plug completely.

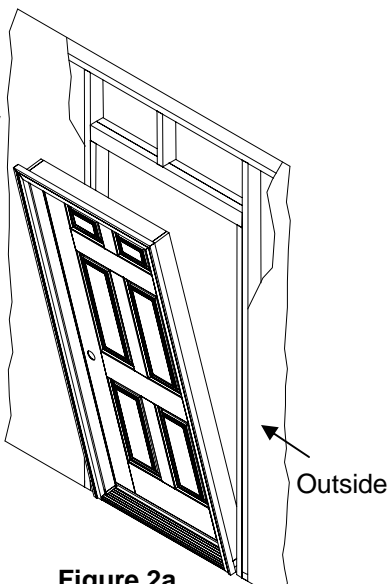


Figure 2a
(shown in-swing door)

Temporarily secure the door unit to the frame with two #8 x 3" drywall screws or two 10d finish nails. Fasten at about 2" below the top hinge and 2" above the bottom hinge through the jamb to the opening frame.

Make sure weatherstrip contact and margin are equal all around. Make further adjustments for level, square and plumb. Use 3 or 4 (8ft door) solid shims between the latch jamb and opening frame per figure 2b. Additional shims may be used to keep the door aligned. Test to ensure proper operation of the door.

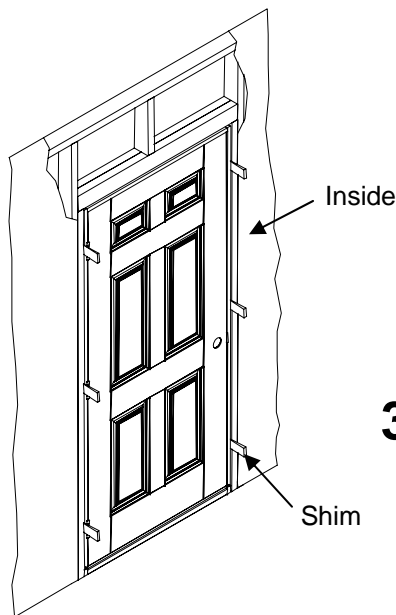


Figure 2b

Permanently fasten 3" drywall screws (not included) through the jambs into the shim and the frame. Do not overtighten the screws. Overtightening may cause jambs to bow. Remove excess shims and temporary fasteners. Do not shim or fasten the head jamb of the single door unit.

Additional Anchoring for Single Door with Sidelites

Shim above mullion per figure 2c. Fasten 3" drywall screws (not included) through head jamb into the shim and the frame. Remove excess shim.

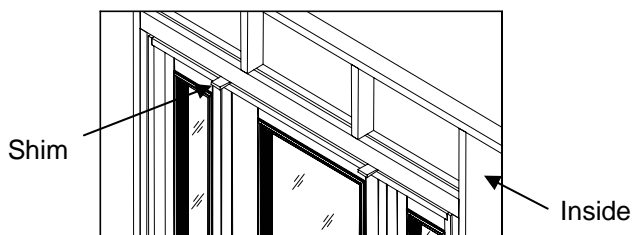


Figure 2c

Additional Anchoring and Drilling for Double Door Units

Permanently fasten 3" drywall screws (not included) through the head jamb into the frame at locations shown in figure 2d. Do not shim.

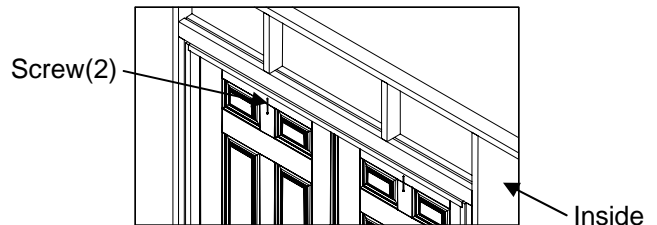


Figure 2d

Use the flushbolts at the inactive door to mark and drill 9/16" holes through the head jamb and the sill. Insert the grommet to the hole at head jamb and fasten grommet with screw per Figure 2e. For in-swing sill, insert the grommet into the hole at threshold. For out-swing sill, grommet is not needed but may require drilling into substrate to clear the flushbolt. Make sure that the flushbolts secure the inactive door when locked and that the active door locks properly when closed.

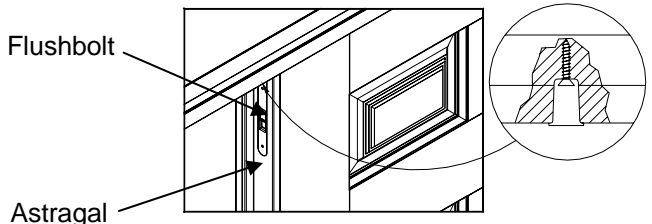


Figure 2e

3 Install 2 screws at the location shown in Figure 3 on the top hinge and 1 each on the lower 2 or 3 (8ft door) hinges (screws included in installation kit).

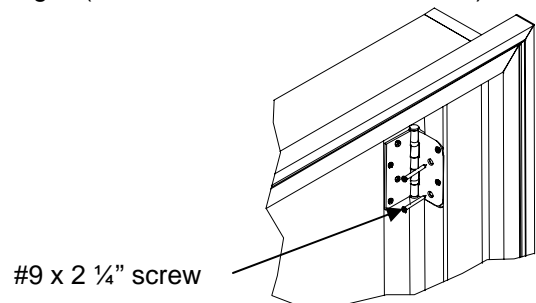


Figure 3

4 For an in-swing door with adjustable threshold, adjust the threshold as shown in Fig. 4 so that there is even contact between the door sweep and the threshold. To test, put a sheet of paper between door sweep and threshold, close the door and pull. The correct adjustment would have slight tension, but if the paper tears, the tension is too high.

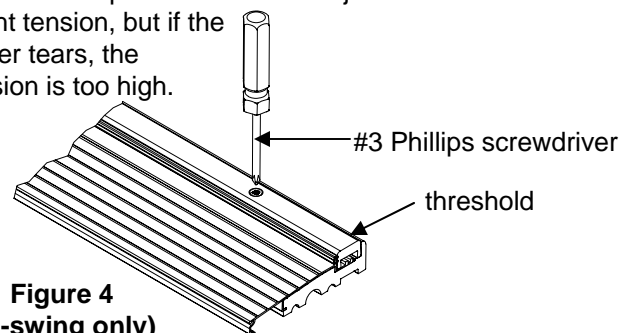
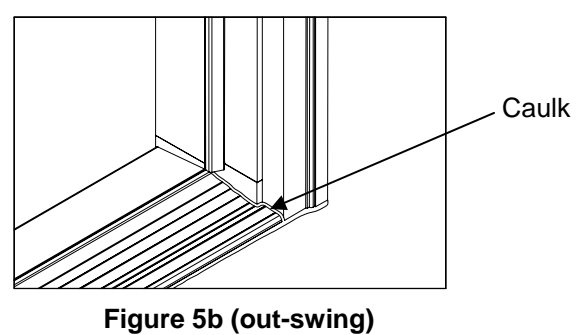
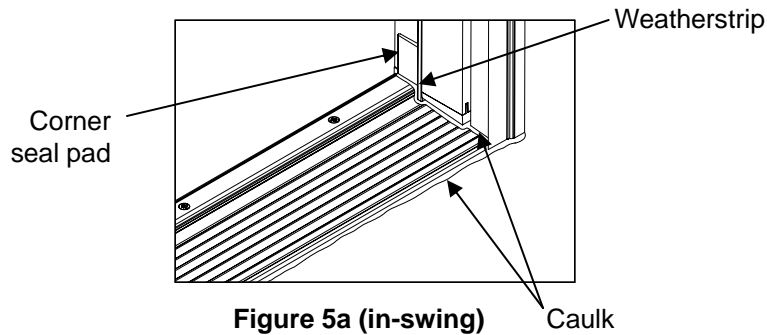


Figure 4
(In-swing only)

- 5 IMPORTANT:** For in-swing doors, install two corner seal pads (included in the installation kit) at each of the jamb bottom per figure 5a. The corner seal pad should be tucked underneath the weatherstrip. Caulk at the intersection of the jambs, brickmolds, threshold and floor. For out-swing doors, also caulk at the intersection of the jambs, brickmolds, threshold and floor per figure 5b.



FINISHING INSTRUCTIONS

Staining an unfinished Feather River Door Company® fiberglass door is easy as finishing a wood door. Our patented texturing on the fiberglass doors yields superior stain or paint adhesion. Therefore sanding is not required to achieve an excellent stain or paint appearance. In fact, the fiberglass door surface should not be sanded.

Remove the door from the frame and place door in a flat level surface off the floor. Sidelites need to be finished while attached to the frame. Before applying a stain or paint, wipe the fiberglass door, sidelite and door light frame with mineral spirits to remove any dirt, oil or debris. **Caution:** Paint or stain in a well ventilated area. Keep combustible paint, stain and topcoat away from heat and flame. Keep out of reach of children.

Note: Do not stain or paint the weatherstrip, glass, door sill, any other vinyl or metal parts. Remove or mask parts as needed, but do not remove the door sweep. Select a high quality water-based stain from Minwax® or Behr® or a high quality gel stain from Minwax® or Olympic®. If you prefer an oil-based finish, select a high quality stain from Ace®, Minwax® or Zar®.

Apply an even amount of stain with a brush or lint-free cloth in the direction of the grain as shown in figure 6. Work the stain onto the surface. Using a clean rag, quickly remove excess finish. Do not wipe with excessive pressure, wipe lightly. Follow the stain application recommendations of the finish brand.

After stain has dried for at least 24 hours, apply 3 coats of a high quality exterior grade polyurethane topcoat (recommend satin or low gloss) in the direction shown in figure 6. **Important:** Use topcoat with ultraviolet (UV) inhibitor. Follow the brand's recommended drying time between coats.

Generally the textured fiberglass doors are meant to be stained, although they can be painted as well. However, the smooth skin doors can only be painted. We recommend painting the smooth skin door within 6 months after the door is purchased with quality acrylic latex exterior paint. Paint the door in the direction shown in figure 6. Apply at least 2 coats of paint. Follow the brand's recommended drying time between coats

Both the pre-finished and unfinished fiberglass doors come with factory finished prime coat on the jambs, brickmolds and other wood components, unless un-primed clear prehung unit is purchased. We recommend staining clear jambs, brickmolds and other wood components. If paint is desired, apply a coat of primer before painting. However, for the factory primed jambs, brickmolds and other wood components, we recommend painting over the prime coat. Use quality exterior acrylic latex paint when painting over a primed surface. Use wood filler to putty the nail marks on the wood components before staining or painting. Wood components must be stained or painted within 2 weeks of installation.

CARE AND MAINTENANCE

Over time, harsh weathering will degrade even a good fiberglass door finish. We recommend reapplying a UV topcoat over the existing topcoat every 3-4 years. We do not recommend stripping the finish. More severe exposure conditions may require more frequent maintenance. Repaint painted doors, jambs and brickmolds as soon as deterioration occurs. Replace weatherstrip, door sweep or sealant when deterioration is apparent.

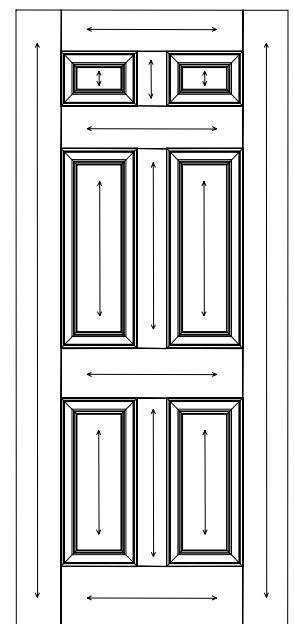


Figure 6

FEATHER RIVER DOOR COMPANY®
by Trinity Glass International, Inc.
Limited Lifetime Warranty for Fiberglass Doors

Warranty Coverage

All fiberglass doors by Trinity Glass International, Inc. (hereinafter Trinity) are covered under this limited lifetime warranty, to be free from defects in material and workmanship that would render the door unfit for its designed use, subject to the conditions and restrictions contained herein. THIS WARRANTY DOES NOT COVER ANY DEFECT OR DAMAGE CAUSED BY THE CUSTOMER IN THE INSTALLATION OF THE DOOR AND/OR ANY ACT(S) PERFORMED TO THE DOOR NOT IN STRICT COMPLIANCE WITH TRINITY'S INSTRUCTIONS AND RECOMMENDATIONS, AND ANY OTHER EXCLUSIONS AS CONTAINED HEREIN. THIS WARRANTY SHALL BE INVALID IF AND WHEN ANY ORIGINAL TRINITY COMPONENTS ARE REPLACED.

This limited lifetime warranty extends only to the original purchaser (Customer) of the doors, and applicable only to doors installed in owner occupied dwellings and is not transferable. The warranty period begins on the date of purchase by the Customer.

Warranty Claim Procedures:

In the event of a defect covered under this warranty, Customer must comply with the following claim procedures:

1. All warranty claims must be presented in writing of the claimed deficiency.
2. Customer's written claim must include the following information:
 - a. Nature or adequate description of defect(s).
 - b. Identification of product including size, design, type, and product number (if available).
 - c. Date of purchase.
 - d. Proof of purchase.
3. Upon Trinity's request, Customer must permit Trinity (or its representative) to inspect the claimed defective door. Trinity shall have 30 days from receipt of Customer's written claim to exercise this option to inspect.

Exclusive Remedies

Upon receipt of a valid claim, Trinity shall have the option to either repair the product or provide a replacement product of like kind and design. In any event, no remedy shall exceed the Customer's purchase price of the door. Further, in lieu of repair or replacement, Trinity reserves the right to refund the Customer's purchase price as follows: 100% of the purchase price for years 1-5; 75% of the purchase price for years 6-10; 50% of the purchase price for years 11-19; and 25% of the purchase price for years 20 and beyond.

THE CUSTOMER HEREBY UNDERSTANDS AND AGREES THAT CUSTOMER'S SOLE AND EXCLUSIVE REMEDY FOR TRINITY'S NONCOMPLIANCE OF THIS LIMITED LIFETIME WARRANTY SHALL BE AS PROVIDED HEREIN, AND THE

CUSTOMER FURTHER UNDERSTANDS AND AGREES THAT NO OTHER REMEDY INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES SHALL BE AVAILABLE TO CUSTOMER. IN NO EVENT SHALL TRINITY BE RESPONSIBLE FOR SHIPPING, LABOR, FINISHING EXPENSES, REMOVAL OF ORIGINAL PRODUCT, INSTALLATION OF PRODUCT, EXPENSES, OR OTHER CHARGES, COSTS OR CLAIMS INCURRED BY CUSTOMER.

Exceptions from Coverage

The following, but not limited to, are examples specifically not covered and/or which shall void this limited lifetime warranty, and shall otherwise not be considered defects in material or workmanship as applied to this limited warranty:

1. Defect or damage arising from shipment or transportation.
2. Defect or damage due to improper handling, installation, cleaning, maintenance, finishing, improper glazing, acts of God, intentional human acts, fire, misuse, abuse, or circumstances beyond the control of Trinity.
3. Doors installed in non-owner occupied dwellings are warranted for 10 years from the date of purchase.
4. Attempts to repair product by someone other than Trinity or an authorized representative of Trinity.
5. Broken glass.
6. Defect or damage resulting from Customer's failure to perform normal care and maintenance of product.
7. Labor, shipping, or other charges incurred or claimed by Customer.
8. Product used outside the continental U.S.
9. Any discoloration or irregularity in glass that is not visible from farther away than six feet.
10. Doors whose basic structure has been altered.

Decorative glass and wood component parts are warranted to be free from deficiencies in material and workmanship for 10 years from the date of purchase or manufacture. Any deficiencies and workmanship on finishes (Pre-finished doors and sidelites only) are warranted for 2 years.

Trinity makes no other warranty, including a warranty of merchantability or fitness for a particular purpose, with respect to the product or replacement except to the extent provided herein. Invalidation of any one or more of the provisions of this limited warranty shall in no way affect any of the provisions in this limited warranty which remain in full force and effect. Any and all legal actions for any and every breach of this warranty shall be instituted and maintained in any court of competent jurisdiction in the County of Pierce, State of Washington. Trinity reserves the right to modify the terms and conditions of this warranty without prior notice. Please direct all questions about this warranty: 800-375-8120.

Trinity Glass International, Inc. * P.O. Box 39379 * Tacoma, WA * 98439