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## Field Installation Instructions for Vinyl Sliding Glass Doors

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Flush Fin

## Flush Fin



- 1.** Existing Aluminum Sliding Glass Door to be replaced with new Flush Fin Sliding Glass Door.

\*Prior to the removal of existing door, check the measurements of the replacement door to ensure the door will fit. Check for damage on the new door. This will prevent damage to the existing door in case a re-order is necessary.

\*Ensure that all appropriate safety equipment is worn during the removal and installation process.



- 2.** Remove vent frame from the Aluminum door by lowering the wheels using the adjustment screws at each end of the vent panel at the bottom (turning the screw to the right will raise the vent and to the left will lower the vent)

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- 3.** Lift up on the vent frame and swing the bottom out. Once the vent frame is removed take off any sill caps. (if any)



- 4.** Remove any screws that are securing the fixed sash in place. Remove the fixed sash by sliding over, lifting up, and swinging the bottom out.

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5. Using a chisel, cut through the screws that hold the sill to the jambs of the aluminum door. Use a saw to cut through the sill at center. Then remove the sill so the Flush Fin door can sit flush on the sub floor.



6. Once the screws are cut, you may cut the sill at the center point in order to remove the sill as shown. Do not remove the head or jambs of the original frame. **Removing the frame head or jambs may damage the weather resistant barrier.**

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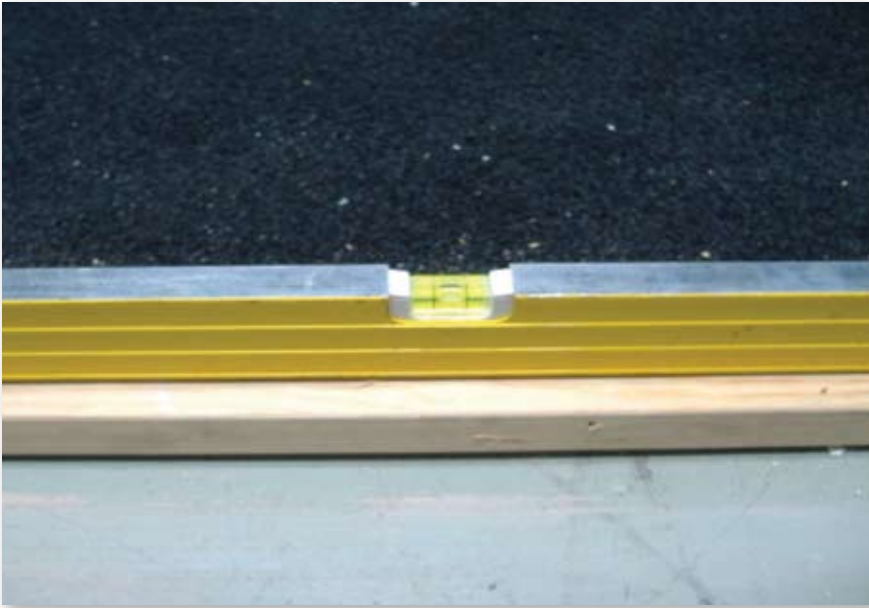


7. If you can not cut the screws, then you may cut the sill of the pre-existing door at the jambs and remove the sill so the Flush Fin door sill will set directly on the sub floor.



8. Check for readiness, obstructions and safety obstacles that may interfere with the installation of the door. Remove debris that will obstruct your path way during the transportation of the product. Test fit the Flush Fin retro door to ensure it is the correct size and can be installed level, plumb, and square. Remove the nail fin if not needed. Check the reveals as well.

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9. Check the sill for level using the longest level that will fit in the opening. Shim or flatten down any humps in the sub floor. Shims are to be made of high impact plastic capable of carrying specified compressive loads. The Horseshoe type is adequate for this application.



10. Using sand paper, scuff the pre-existing frame to ensure sealant can adhere properly.

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11. Apply 2 - 3/8" diameter continuous beads of sealant ( polyurethane sealant ) on the sub floor and continue 6" up the jambs. If shims are needed insure they are imbedded in the sealant.



12. Apply a 3/8" diameter continuous bead of sealant ( polyurethane sealant ) to original perimeter frame where it will come into contact with the Flush Fin of the new door. This is considered the primary seal.

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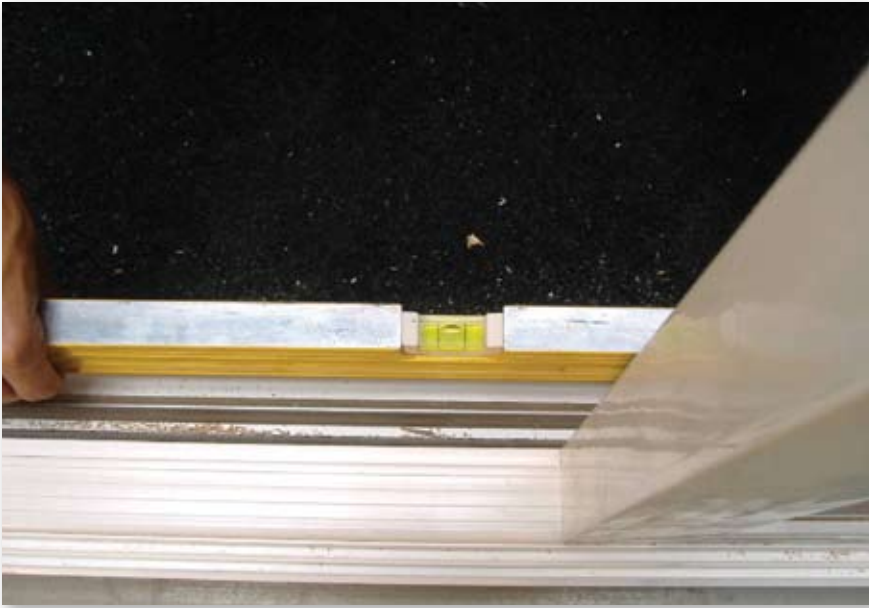
- 13.** Apply a 3/8" diameter continuous bead of sealant (polyurethane sealant) near the back side of the outside edge of the Flush Fin. This is considered a secondary seal.



- 14.** From the exterior lift the Flush Fin door and set in to the opening.



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- 15.** Check the sill for level using the longest level that will fit in the opening.



- 16.** Check the jambs for plumb using the tallest level that will fit in the opening. Be sure to double check for square by cross measuring the door frame. Shim door frame accordingly.



17. Once the Flush Fin door is level, plumb, and square fasten it in place. Use non-corrosive screws long enough to screw through both the Flush Fin door and the pre-existing door frame head and jambs, where you have placed filler blocks. Anchor in to the surrounding wall framing at least 1 1/4". Pre-drilling holes for fasteners may be helpful. (Do not place screws through the sill as they may cause damage to the weep system) Installation screws shall not be closer than 3 inches and no more than 10 inches from the corners of the door and should be spaced a maximum of 16 inches apart on center (do not over tighten the screws as they may warp or bend the Flush Fin door frame) shims are recommended at each fastener.

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- 18.** Install the supplied handle on the vent frame.



- 19.** Install the vent frame into the perimeter frame by placing the top in first and then sliding the bottom in with the door in the open position.

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- 20.** Remove the adjustment hole plugs on the bottom interior face of the vent frame and adjust the wheels on the vent frame. Lift up on the vent frame to take the weight off the rollers when adjusting to prevent stripping. Turn to the right to rise and the left to lower. Reveals on both sides of the vent frame should be straight. Reinstall the plugs.



- 21.** The strike plate comes preset from the manufacture with a screw behind the silver cover to allow for minor adjustments. Once the vent frame and strike are lined up and lockable, properly set the strike plate in place using non-corrosive screws long enough to fasten in to the framing. (1 1/4" penetration) Place a shim at the locking point with each fastener.

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FILL ANY GAPS BETWEEN THE EXISTING FRAME AND THE NEW FRAME WITH BACKER ROD OR USE APPROPRIATE INSULATION MATERIAL.

**22.** Be sure to check the operation of the door. Check to see that all steps have been completed and are done properly. Trim Interior as needed.



APPLY A POLYURETHANE SEALANT AS PART OF THE SECONDARY SEAL TO THE EDGE OF THE EXTERIOR FLUSH FIN AND THE STUCCO OR SIDING. THIS IS TO CONTINUE AROUND THE ENTIRE FRAME.

CHECK THAT THE DOOR SILL IS TOTALLY SEALED TO SUB FLOOR. IF INSTALLED ON CONCRETE, USE A BACK BEAD OF SEALANT (INTERIOR BACK OF SILL) IF NECESSARY. BE SURE FRONT EDGE OF SILL IS SUPPORTED WITH THE APPROPRIATE MATERIAL (IE: STUCCO, TRIM, ETC...).

### Special Notes:

- \*Verify that the permanent AAMA label is still in place.
- \*Install Screen Door if purchased with door. ( see Screen Door Installation Instructions ).
- \*Walk the surrounding area and ensure all trash is picked up and disposed of properly.
- \*Educate customer on proper operation.