

# RECOMMENDED INSTALLATION PROCEDURE

## LEVEL 3

**Flat Wall Retrofit Aluminum & Vinyl Door with Integral Retro Flange 3 Sides – Installation on Slab Sliding, Bi-Fold, Multi-Slide and Swinging Doors**

**RB 415, RB 975, Retrofit (Retro Flange) Application Products:**

**6" or 9" RainBuster #415 Self-Adhered Flashing Membrane-40mil**

**RainBuster #975 Advanced Polyether Sealant/Adhesive**

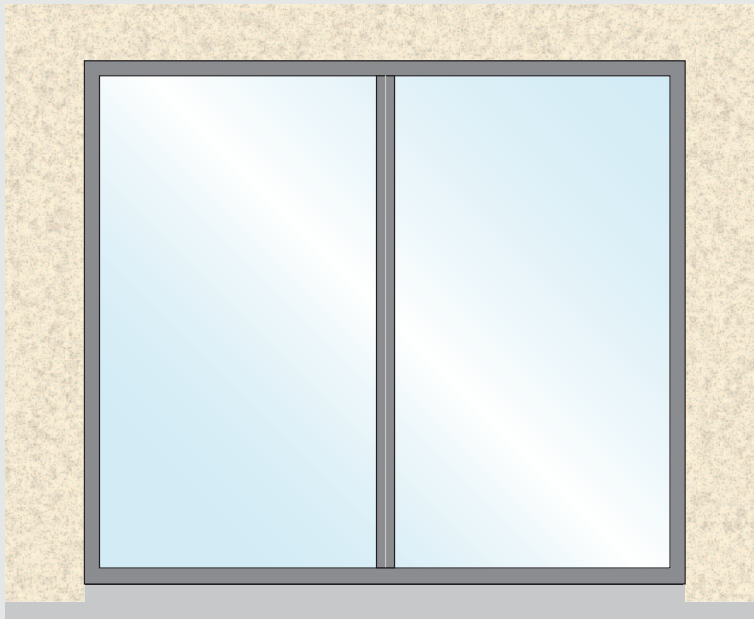
**Approved Low Expanding Foam by Others (non-RainBuster products)**



Contact Top Industrial for Details



**RAIN BUSTER**  
Since 1983

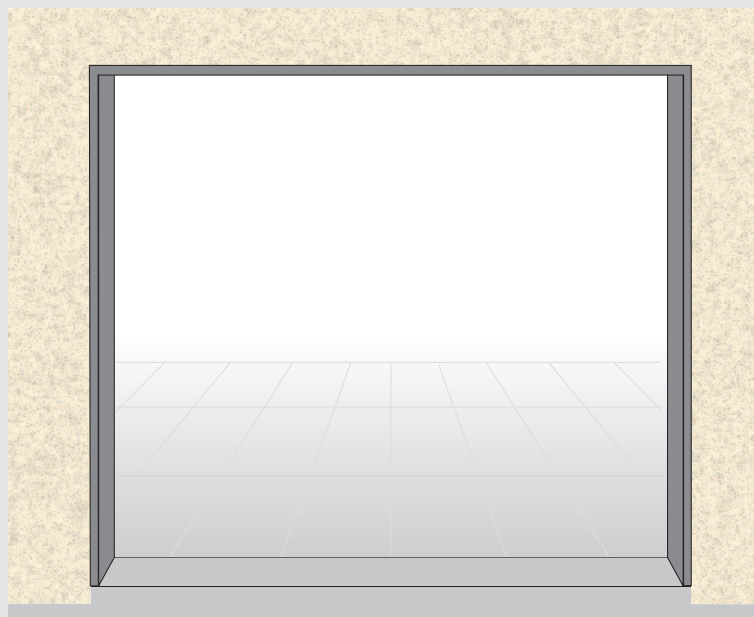


### Preinstallation: Inspect Existing Door for Evidence of Moisture Intrusion

Inspect interior and exterior walls adjacent to the existing door for evidence of moisture intrusion. If evidence of moisture intrusion is present corrective measures must be taken prior to door installation. Alternative door installation methods may be required.

Verify existing sliding glass door is plumb, level, and square.

Verify that retrofit door will fit into rough opening and that retro flange will cover the existing door frame.



### Step 1. Prepare Opening for Retrofit Door

- 1.A Remove the existing operable and fixed panels including the hardware and any other accessories (secondary locks, closers, etc.) that may protrude into the rough opening.
- 1.B Remove the existing door threshold taking care to not damage or disturb the existing door frame. Remove any fasteners, dirt, sealant, or debris from the slab. If the existing door frame is damaged while removing the door threshold corrective measures must be taken prior to installation. Alternative door installation methods may be required.
- 1.C Ensure that the exterior face of the existing door frame is clean, dry, and free of protrusions that will interfere with the retrofit door installation.

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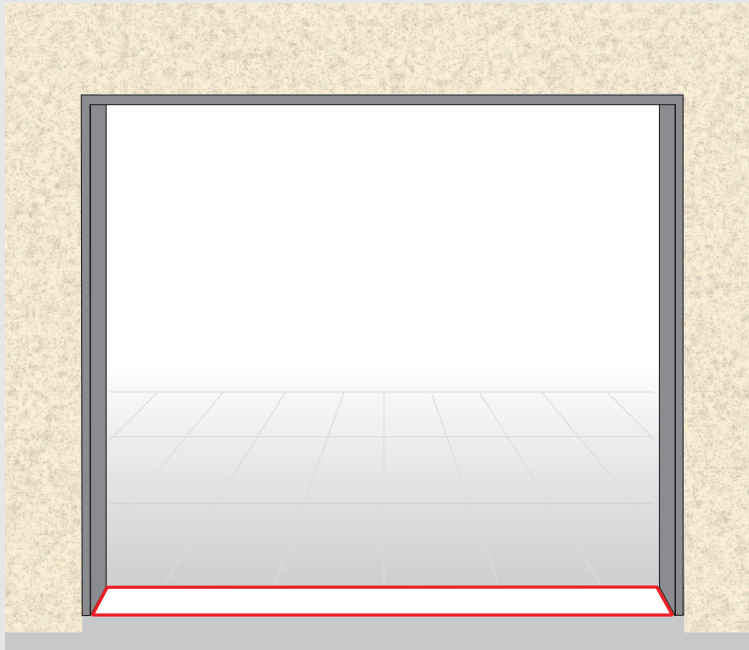
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Part of the...  
**RainBuster®**  
**LEAK-FREE**  
SYSTEM



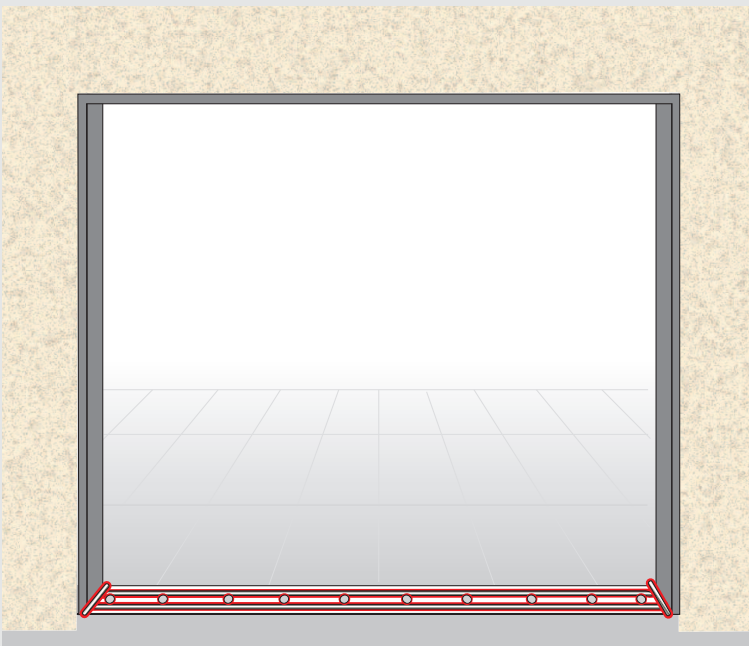
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### Step 2. Install Self-Adhered Flashing on Slab

**Product: 6" or 9" RainBuster #415 Self-Adhered Flashing Membrane-40mil**

- 2.A Flashing Length = Rough Opening Width; Flashing Width = Threshold Depth - 1/4" Interior edge of flashing should be flush with interior face of threshold. Exterior edge of flashing should be located 1/4" back from the exterior face of the threshold.
- 2.B Adhere flashing across slab surface ensuring separation between threshold and slab. Surface should be clean, dry, and free of protrusions prior to installation of self-adhered flashing. Self-adhered flashing should not be visible after threshold installation.
- 2.C Using a J-Roller, apply pressure while rolling entire surface of flashing to ensure adequate adhesion.



### Step 3. Apply Sealant to Self-Adhered Flashing Membrane at Slab

**Product: RainBuster #975 Advanced Polyether Sealant/Adhesive**

- 3.A Apply (2) 3/8" continuous beads of sealant to the surface of the flashing, across the entire rough opening.
- 3.B Sealant beads should be located to ensure continuous sealant/door sill contact at the interior and exterior of the door sill when the door is set into the opening.
- 3.C If fasteners are required at the door threshold, transfer the locations of the predrilled holes (future fastener installation) in the door threshold to the self-adhered flashing membrane at slab. Apply a 1/2"-5/8" bead of sealant at predrilled hole locations. Tool flat.
- 3.D Apply 3/8"-1/2" bead of sealant at slab/jamb joints ensuring corners are sealed. Sealant should be applied across entire slab/jamb joint (interior to exterior). Tool joint to promote adhesion.
- 3.E Sealant must be applied no longer than 20 minutes prior to installation of the door.

June 2018

Drawings Not to Scale

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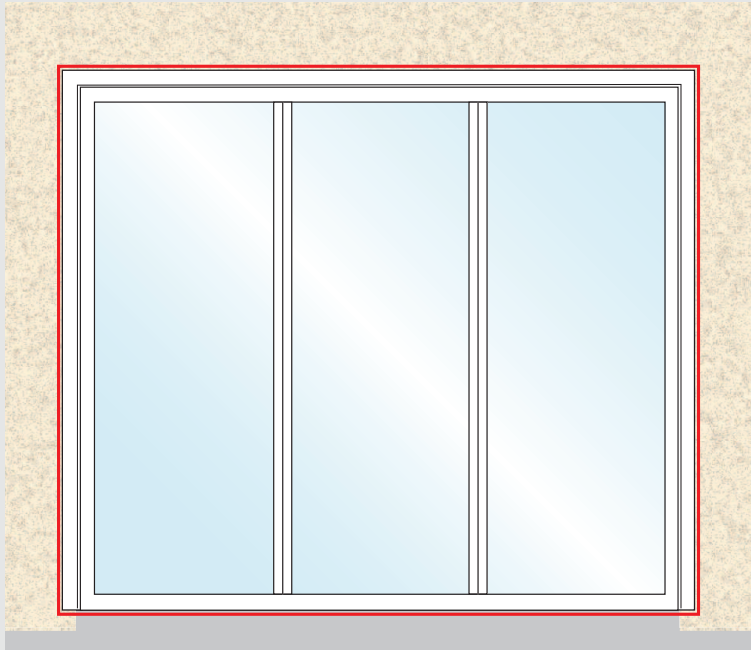
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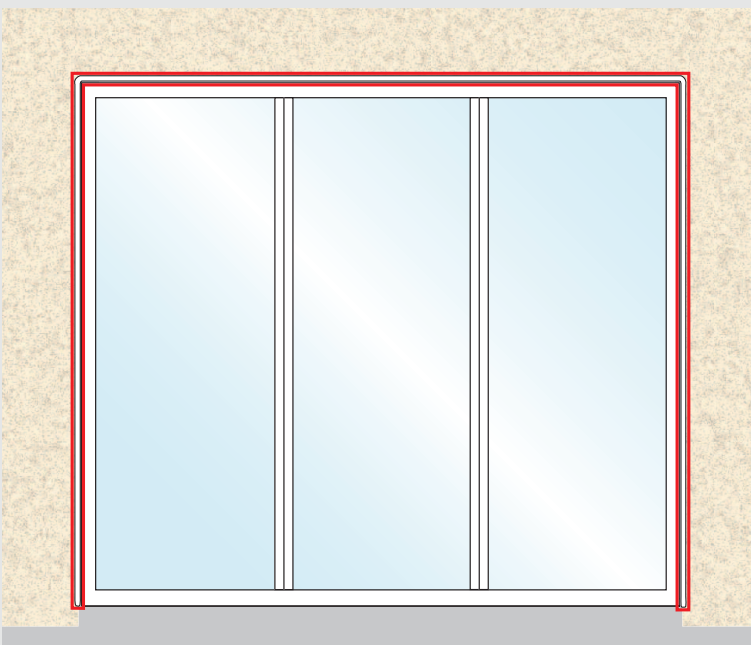
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### Step 4. Install Retrofit Door

**Product: RainBuster #975 Advanced Polyether Sealant/Adhesive**

- 4.A Apply a 3/8" continuous bead of sealant to the back-side of the retro flange at the jambs and head. Apply sealant, ensuring a continuous seal between the retro flange and the existing door frame.
- 4.B Sealant must be applied no longer than 20 minutes prior to installation of the door.
- 4.C Install door using manufacturer approved/provided fasteners, attach door through the predrilled holes in the frame at the sill, jambs, and head ensuring door is securely fastened and plump, level, and square. When shims are required, apply sealant around all four sides of the shim, ensuring continuous seal.



### Step 5. Apply Secondary Bead of Sealant

**Product: RainBuster #975 Advanced Polyether Sealant/Adhesive**

- 5.A Apply a 3/8" secondary bead of sealant to the edge of the door flange at the jambs and head.
- 5.B Tool sealant into retro flange/stucco/siding joint ensuring continuous seal.

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### Step 6. Apply Low Expanding Foam Insulation at Interior of Door

**Product: Low expanding foam insulation by others (non-RainBuster products)**

- 6.A Apply low expanding foam insulation between existing door frame and new door frame at interior of door. Follow low expanding foam insulation manufacturer's application recommendations. Foam insulation must meet AAMA 812 standard to avoid frame distortion.
- 6.B Allow foam insulation to cure prior to installing finish trim.
- 6.C Trim cured foam insulation as needed to accommodate interior finish trim installation.

### Step 7. Install Finish Trim at Interior of Door

**Product: Vinyl or wood trim by others (non-RainBuster products)**

- 7.A Install finish trim to cover existing door frame and foam finishing installation.

*Drawings Not to Scale*



**Installation Recommendations:** It's recommended that backing (OSB, plywood, dimensional lumber) be installed to support flashing at all window and door openings. Installation substrates should be clean and free from substances and protrusions that could adversely affect adhesion and or compromise flashing/membrane performance. When an installation requires adhering RainBuster #415 Self-Adhered Flashing Membrane directly to the substrate (OSB, plywood, fiberglass faced gypsum board, masonry, and concrete) an adhesion test is recommended to ensure sufficient adhesion is achieved. Adhesion may be improved by rolling the membrane with a J-roller. In some cases priming the surface with an approved primer may be required to achieve sufficient adhesion. In 3-coat stucco applications, it's recommended that all flashing be covered by the Weather Resistive Barrier (WRB). After the WRB has been properly integrated (weather board/ship lap fashion) with the window and door flashing systems an additional piece of WRB should be installed over the sill flashing acting as a bond breaker.