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INSTALLING QUALITY
INSTILLING CONFIDENCE

Exterior Door Installation
SITE PREPARATION

Before beginning exterior door installation be sure that the weather resistive barrier (WRB) has been installed according to WRB manufacturer’s instructions. Tape and repair any tears or holes in WRB.

Ensure that rough opening meets the required dimensions for door size as per door manufacturer’s instructions.

Assemble necessary materials for installation.

The DAP® QUICK KIT™ contains all the necessary materials for installing one exterior entry door, ensuring you have high quality products to get the job done correctly and prevent any faulty installations. Each kit includes components that meet manufacturer specifications: DAP® DYNAFLEX® 800 Sealant, DAP® DRAFTSTOP® 812 Window and Door Foam, DAP® LT Poly Flash 711, Jamsill Guard® Sill Pan, aluminum head flash (drip cap), composite shims and rustproof screws.

STEP 1

Prepare Rough Opening

- If a weather resistive barrier (WRB) is present, cut WRB across sill and 1 1/2” to 2” past jambs. (FIG 1)
- Cut WRB at head across top of framing and diagonally outward past jamb 6” to create flap. Fold flap up and temporarily tape above rough opening (RO) head. (FIG 1b)
- Cut and remove the WRB 1 1/2” to 2” past jambs to allow for direct sealing of brick mold to allow for proper integration of WRB to the opening using flashing tape.
**STEP 2**

**Install DAP® Jamsill Guard® Sill Pan**

- Measure and dry fit sill pan before assembly.
- Place left and right sill pan corners tight against framing.
- Measure center section and cut if necessary to maintain 2” overlap onto recessed pan corners. Center section must fit within recessed area of corners.
- Apply DAP® Rapid Fuse or PVC cement to the recessed areas of the corner pieces and where they overlap with the center section.
- Assemble pieces and hold or clamp together to ensure a complete bond. (Fig. 2)
- Remove pan and apply a 3/8” bead of DYNAFLEX® 800 where the pan will contact the framing and sill. (Fig. 2b)
- Install assembled sill pan into sealant bed, plumb and level across entire RO.
- Apply DAP® LT Poly Flash 711 to jamb RO integrating the WRB with the RO and sill pan. (Fig 2c)
- Apply a 3/8” bead of DYNAFLEX® 800 along glue joints and along interior back dam to prevent air infiltration. (FIG 2d)

**Note:** Doors larger than 40" width, the center section will come in multiple pieces which overlap to form a continuous pan.

- Dry fit the pan in the rough opening making sure you have a least 2” overlap at each joint. Cut center section to fit if necessary.
- Apply DAP® Rapid Fuse or PVC cement to all overlapped areas of the recessed pieces and assemble sill pan. Hold or clamp pieces together long enough to ensure a good bond.
- Apply a 3/8” bead of DYNAFLEX® 800 along glue joints and along interior back dam to prevent air infiltration. (FIG 2d)
**STEP 3**

**Install Door Into Rough Opening**

- Before setting door into the RO, apply 1/4” to 3/8” bead of DYNAFLEX® 800 to the back side of the perimeter brick molding to seal brick molding to door frame. Be sure to seal the miter joint at jamb and head.
- Apply a second 1/4” to 3/8” bead of DYNAFLEX® 800 to back of brick molding as shown in FIG 3.
- From outside, set threshold of door unit into the opening and tilt into place by pressing jamb and head brick molding to exterior wall sheathing.
- From the inside, place a solid shim directly behind each hinge and shim on the opposite side of the door. Be sure to keep door unit level, square and true.
- Shim and secure door into rough opening per door manufacturer’s instructions. Adjust for alignment and smooth operation as required.

**STEP 4**

**Install Aluminum Head Flashing (Drip Cap)**

- Measure the exterior width of the door, including any brick mold and add 1”, cut the head flashing (drip cap) to that measurement.
- Make two horizontal 1/2” cuts along the bend of the up turned and down turned legs. (FIG 4a)
- Bend the horizontal piece down to create an end cap. (FIG 4b)
- Cut away the remaining piece of the down turned leg.
- Flip head flash over and apply 3/8” bead of DYNAFLEX® 800 to back of head flashing (drip cap) and seal end cap joints. (FIG 4c)
- Install above door. If WRB is present, be sure to install head flash under WRB in a weather board fashion. (FIG 4d)
- Apply DAP® LT Poly Flash™ 711 to head flashing.

Rotate or flip head flash to access underside of drip cap.

Apply DAP® DYNAFLEX® 800 to back of drip cap and seal the ends

Apply DAP® DYNAFLEX® 800 Sealant to back of the head flashing drip cap and seal the ends of drip cap

FIG 4c

Install Head Flashing

Install DAP® LT Poly Flash 711 over Head Flashing

Fold down WRB and Tape

FIG 4d – Install Head Flashing above door
Step 5

Seal Against Air and Water Infiltration

- To prevent air and water infiltration, apply DAP® DYNAFLEX® 800 between the back of the sill pan and the back of the jam (FIG 5).
- Seal between the door frame and rough opening with DAP® DRAFTSTOP® 812 Low Pressure Polyurethane foam (FIG 6).