Installation Tools and Materials

Installation will require the following tools and materials:

- Level: 3 & 5
- Tape measure
- Masonry string
- Caulking/Sealant: (a) polymer based sealant, such as Bostik Pro-MS 50; (b) polymer based sealant; or (c) 100% silicone sealant.
- Caulking gun
- Shims (material type compliant with applicable building code requirements)
- All 3-1/2” exterior grade screws or alternate size compliant with applicable building code requirements
- B/P: Priming aid exterior grade
- P/Phillips screwdriver
- Driver with P/Phillips bit
- Simple Solution Corner Pads

Note: Other tools and materials may be required to ensure proper opening conditions or applicable building code requirements.

General Notes

- Ensure that the installer understands the hazards of handling material with lead paint. Where applicable, an interior or exterior paint should be used. 
- Construction waste should be disposed of properly.
- This instruction applies to both inswing and outswing doors. 
- This instruction assumes that an appropriate weather-resistant barrier is applied to the rough opening and the walls. 
- The rough opening should be flashed according to local building code requirements.

Preparing the Rough Opening

- Check both sides of the rough opening and the walls. 
- Ensure that the rough opening is square to the subfloor or height plate as shown.
- Ensure that the subfloor is clean, dry, level and solid.

Installation Checklist

- Correct
- Incorrect
- Not Applicable

Door System Installation Instructions

Clean, dry, level, and solid (2)
Three beads of caulk under the Sill (2)
Ensure consistent margins (5)
Adjust the Sill Cap or Door Bottom (8)
Position Unit in Rough Opening (2)
Prepare the Rough Opening (2)
Caulking the Rough Opening (2)
Checking the Sill Pan (2)
Installing the Door Unit (2)
Installing Optional Extra Sill Pan (2)
Final Check (2)

Installation Checklist:

- Clean, dry, and level, solid (2)
- Three beads of caulk under the Sill (2)
- Ensure consistent margins (5)
- Adjust the Sill Cap or Door Bottom (8)
- Install Simple Solution® Corner Pads (2)
- Caulk corner of Sill and Jamb (9)
- Position & Install Astragal (French Units) (2)
- Caulk and flush unit perimeter (2)

Installing the Door Unit

- Placement of Endura Approved Sill Pan (2)
- Perform after door unit is anchored into rough opening.
- Apply a continuous 1/2” bead of sealant at the ends to completely seal the lower part of the door jamb.
- Apply a continuous 1/2” bead of sealant at the ends to completely seal the lower part of the door jamb.
- Ensure that the rough opening is square to the subfloor or height plate as shown.
- Ensure that the rough opening is square to the subfloor or height plate as shown.

Caulking the Rough Opening

- Place four heavy beads (1/2”) of sealant on the sill or height plate as shown.
- Ensure that the rough opening is square to the subfloor or height plate as shown.
- Ensure that the rough opening is square to the subfloor or height plate as shown.

Installing Optional Extra Sill Pan

- Place and secure Endura approved Sill Pan according to manufacturer instructions.
- Ensure that the rough opening is square to the subfloor or height plate as shown.
- Ensure that the rough opening is square to the subfloor or height plate as shown.

Final Check

- Ensure that the rough opening is square to the subfloor or height plate as shown.
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Shim and Secure Hinge Jamb

Temporarily install Simple Solution® Pad but do not remove softaining: tough paper yet (see Step 9 for final positioning).

Check hinge jamb for plumb in both directions with a level.

Place shims behind jamb hinges. Adjust shims to take up space between jamb and rough opening.

Note: In some cases, the rough opening is proud and allows the door jamb to be placed against the mull. Shims on this side will not be required.

Check jamb for plumb in both directions with a level.

Adjust shims to take up space between jamb and rough opening.

Adjust the hinge configuration between door panel and jamb.

Adjust the frame so it flush with the face of the door.

Check the weatherstrip for even compression all around the door.

Set each jamb fastener and request the location indicated by (X) to maintain proper hinge and adjustable sweep.

Remove excess shim.

Screw closest to weatherstrip.

Note:

*For Z Articulating Cap, only the header mark is required.

*Does not apply to Z Articulating Cap.

Caulk joint between sill and pan when using a sill pan.

Apply a bead of caulk where the extender meets the sill deck.

Caulk and replace hardware if necessary. 

Caulk around the interaction of the aluminum sill deck and the jamb.

Caulk the intersection of the top of the sill and the door jamb. 

Caulk around the interaction of the mull and the door jamb.

Caulk at the joint of brickmould and jamb/header.

Caulk around the entire unit on weather-exposed panel and jamb.

Caulk and secure opposite jamb securing lockset hardware.

Verify proper installation of Simple Solution® Corner Pads. To install Simple Solution Corner Pads, remove paper backing to expose adhesive and press firmly into place. For margins less than 5/32", apply the corner pad with the side of the pad equal to than 5/32", apply the corner pad with the side of the pad.

Apply a bead of caulk where the extender meets the sill deck.

For Z-Articulating Caps, Pads not required according to applicable building code requirements.

Note: Make sure the hinge jamb is not bowed. Adjust or apply additional shims as necessary.

Note:

*For Z Articulating Cap, only the header mark is required.

*Does not apply to Z Articulating Cap.

Caulk and replace hardware if necessary. 

Caulk around the interaction of the aluminum sill deck and the jamb.

Caulk the intersection of the top of the sill and the door jamb. 

Caulk around the interaction of the mull and the door jamb.

Caulk at the joint of brickmould and jamb/header.

Caulk around the entire unit on weather-exposed panel and jamb.

Caulk and secure opposite jamb securing lockset hardware.

Verify proper installation of Simple Solution® Corner Pads. To install Simple Solution Corner Pads, remove paper backing to expose adhesive and press firmly into place. For margins less than 5/32", apply the corner pad with the side of the pad equal to than 5/32", apply the corner pad with the side of the pad.

Apply a bead of caulk where the extender meets the sill deck.

For Z-Articulating Caps, Pads not required according to applicable building code requirements.

Note: Make sure the hinge jamb is not bowed. Adjust or apply additional shims as necessary.

Note:

*For Z Articulating Cap, only the header mark is required.

*Does not apply to Z Articulating Cap.