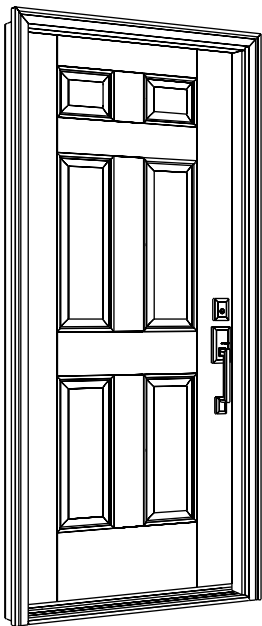


# INSTALLATION GUIDE



*A door unit is only as good as the installation. Please carefully read and follow the step-by-step installation instructions. Proper installation will prevent costly call backs.*

**THERMA  TRU<sup>®</sup>**  
**DOORS**

THE DOOR SYSTEM YOU CAN BELIEVE IN

## COMMON INSTALLATION ERRORS

If you think you have a problem, check the system thoroughly.  
First impressions can be deceiving.

**Problem:** Air and/or light leakage at top or bottom of jamb.

**Causes:** Weatherstrip is torn or damaged, or it has been painted.

**Action**

**Required:** Replace weatherstrip.

**Cause:** Bottom corner seal pads missing or removed.

**Action**

**Required:** Replace pads, sealing properly. See section V.8.

**Cause:** Door loose in frame, with excessive in-out movement when latched.

**Action**

**Required:** Adjust proprietary strike plate for a tighter fit. See Section V.5.

**Cause:** Door not meeting weatherstrip evenly when it closes, hitting the top or bottom first.

**Action**

**Required:** Re-align, re-shim, re-adjust and re-nail lockside jamb so door meets the weatherstrip evenly from top to bottom. See Section IV. 1-4.

## COMMON INSTALLATION ERRORS

**Problem:** Water leakage around or under sill.

**Cause:** Door not meeting weatherstrip evenly when it closes, hitting the top or bottom first.

**Action**

**Required:** Re-align, re-shim, re-adjust and re-nail lockside jamb so door meets the weatherstrip evenly from top to bottom. See Section IV. 1-4. For double door unit, see Section VI.

**Cause:** Damaged or painted weatherstrip

**Action**

**Required:** Replace weatherstrip.

**Cause:** Improper/insufficient sealant and/or sealant breakdown between sill and subfloor.

**Action**

**Required:** Reseal under sill. See Section I.3 and I.5.

**Cause:** Excessive hump in sill, sill humped or depressed beyond the range of the door bottom's sealing capacity.

**Action**

**Required:** Anchor sill to draw straight – see Section VI.2. Replace any wrinkled or torn door bottom. See Section I.3-5 for proper installation procedures.

## COMMON INSTALLATION ERRORS

**Problem: Water leakage around or under sill (cont'd)**

**Cause:** Humped sill.

**Action**

**Required:** Shim jamb legs up to allow sill to straighten, re-seal under sill and anchor sill in place. See Section I.3-5 and VI.2. For double door units, see Section VI.

**Cause:** Damaged sill saddle causing door bottom bulb seal to bunch up and wrinkle when the unit closes.

**Action**

**Required:** Replace the saddle and screw down.

**Cause:** Door sagging out of square in frame.

**Action**

**Required:** Make sure *LONG* hinge screws provided are properly installed in the top hinge through the jamb to the stud. See Section V.2.

**Cause:** Jamb out of alignment.

**Action**

**Required:** If jamb is twisted along length of the members, straighten it by reshimming to eliminate the twist and maintain an even head margin and re-nail. See Section III.1-2.

**Cause:** Jamb out of square to door.

**Action**

**Required:** Usually caused by plumb frame members sitting on unlevel floor/sill area. Free lowest jamb leg and shim it up to level the sill and maintain an even head margin.

## COMMON INSTALLATION ERRORS

**Problem: Water leakage around door/system perimeters.**

**Cause:** Door is not meeting weatherstrip evenly when it closes, hitting the top or bottom first.

**Action**

**Required:** Re-align, re-shim, re-adjust and re-nail lockside jamb so door meets the weatherstrip evenly from top to bottom. See Section IV.1-4. For double door units, see Section VI.

**Cause:** Improper/incomplete seal and/or sealant breakdown around or on top of the unit.

**Action**

**Required:** Properly flash and/or seal around brickmould. See Section V.11.

**Cause:** Improper/incomplete seal and/or sealant breakdown around fixed unit sidelites where they meet the jamb.

**Action**

**Required:** Re-seal to restore system integrity.

## COMMON INSTALLATION ERRORS

**Problem:** Door will not open or close properly.

**Cause:** Door not meeting weatherstrip evenly when it closes. Hitting the top or bottom first.

**Action**

**Required:** Re-align, re-shim, re-adjust and re-nail lockside jamb so the door meets the weatherstrip evenly from top to bottom. See Section IV.1-4.  
For double door units, see Section VI.

**Cause:** Adjustable strike plate not properly aligned.

**Action**

**Required:** Realign adjustable security strike plate.  
See Section V. 5.

**Cause:** Door sagging out of square in frame (uneven head margin).

**Action**

**Required:** Make sure *LONG* hinge screws provided are properly installed in the top hinge through the jamb to the stud.  
See Section V. 2.

**Cause:** Frame out of square (uneven sill/door bottom margin).

**Action**

**Required:** Usually a result of plumb frame members sitting on unlevel floor/sill area. Free the lowest jamb leg and shim it up to level the sill and maintain an even head margin. For double door units, see Section VI.

## COMMON INSTALLATION ERRORS

**Problem:** Water leakage around doorlites.

**Cause:** Loose doorlites.

**Action**

**Required:** Tighten doorlite screws. See Section V.10.

**Cause:** Door face-to-doorlite frame seal breakdown.

**Action**

**Required:** Seal around doorlite perimeter and/or paint or repaint the perimeter to form a paint seal.

**Cause:** Glass-to-doorlite frame seal breakdown.

**Action**

**Required:** Replace doorlite.

## COMMON INSTALLATION ERRORS

**Problem: Water leakage around or under sill (cont'd)**

**Cause:** Humped sill.

**Action**

**Required:** Shim jamb legs up to allow sill to straighten, re-seal under sill and anchor sill in place. See Section I.3-5 and VI.2. For double door units, see Section VI.

**Cause:** Damaged sill saddle causing door bottom bulb seal to bunch up and wrinkle when the unit closes.

**Action**

**Required:** Replace the saddle and screw down.

**Cause:** Door sagging out of square in frame.

**Action**

**Required:** Make sure *LONG* hinge screws provided are properly installed in the top hinge through the jamb to the stud. See Section V.2.

**Cause:** Jamb out of alignment.

**Action**

**Required:** If jamb is twisted along length of the members, straighten it by reshimming to eliminate the twist and maintain an even head margin and re-nail. See Section III.1-2.

**Cause:** Jamb out of square to door.

**Action**

**Required:** Usually caused by plumb frame members sitting on unlevel floor/sill area. Free lowest jamb leg and shim it up to level the sill and maintain an even head margin.

## COMMON INSTALLATION ERRORS

**Problem: Water leakage around door/system perimeters.**

**Cause:** Door is not meeting weatherstrip evenly when it closes, hitting the top or bottom first.

**Action**

**Required:** Re-align, re-shim, re-adjust and re-nail lockside jamb so door meets the weatherstrip evenly from top to bottom. See Section IV.1-4. For double door units, see Section VI.

**Cause:** Improper/incomplete seal and/or sealant breakdown around or on top of the unit.

**Action**

**Required:** Properly flash and/or seal around brickmould. See Section V.11.

**Cause:** Improper/incomplete seal and/or sealant breakdown around fixed unit sidelites where they meet the jamb.

**Action**

**Required:** Re-seal to restore system integrity.