

INSTALLATION GUIDE

At Ash & Ivy, every iron door is handcrafted, pre-hung, and preassembled for a straightforward installation process. Each door unit arrives with hinges, glass panels, mounting tabs, and accessories already installed, allowing for precision alignment and simplified setup.

Because iron doors are significantly heavier than traditional wood or fiberglass doors, proper leveling and installation technique are essential to ensure smooth operation and long-term durability.

Estimated Installation Time: 2–4 hours

Recommended Experience: Professional installer or experienced DIYer familiar with iron or steel door installations

Warranty Compliance Requirement: To maintain warranty coverage, the roof **must be pre-loaded on the structure for 7–10 consecutive days prior to installation**. Failure to pre-load within this window voids warranty coverage for movement- or settlement-related defects. “Loaded” means placing the permanent roofing materials (or an equivalent uniformly distributed ballast) across the roof area to replicate the final dead load. Materials must be **evenly distributed**—no excessive point loads.

Step-by-Step Installation Instructions

Step 1: Unpackaging Your Door

Your Ash & Ivy door ships in two separate components — the door slab and the door jamb/frame — to simplify handling and prevent damage during transit.

Door Slab Packaging Includes:

- Reinforced wooden crate
- Protective cardboard layers
- Foam wrap, corrugated paper, and plastic covering

To Unpack:

1. Carefully remove wooden crossbeams and outer cardboard.
2. Use a box cutter or utility knife to cut through foam wrap only along the side, lifting the packaging away from the door while cutting to avoid accidental scratches.
3. Avoid direct contact with the iron surface or glass using sharp tools.

Frame Packaging:

- The door jamb/frame is wrapped in cardboard and foam.
- Cut carefully along exterior seams — avoid cutting into the finish.
- If scratches occur, contact Ash & Ivy for touch-up paint.

Once both components are unpacked and inspected for shipping damage, proceed to the installation phase.

Step 2: Verify Rough Opening Dimensions

Confirm that the rough opening is $\frac{1}{2}$ " to 1" larger than the outer dimensions of the door frame on all sides. This tolerance allows for adjustment, insulation, and final leveling.

Step 3: Inspect Framing Integrity

Ensure the surrounding wall framing is solid, plumb, and free of movement.

Loose or flexible framing can cause misalignment, hinge stress, and improper sealing after installation.

Step 4: Check Finished Floor Height & Threshold Alignment

1. Confirm that the threshold area is flat and level.
2. Adjust the height if necessary so the door sweep clears the finished floor surface or planned rugs.
3. Ensure sufficient clearance for the door swing and weatherstripping compression.

Step 5: Position and Level the Door Frame

1. Apply a continuous bead of high-quality exterior caulk or sealant beneath the threshold to prevent moisture intrusion.
2. Set the jamb (frame) into the rough opening.
3. Confirm the threshold rests flat on the subfloor and that no debris is trapped beneath.
4. Using a level, ensure both sides and the top are perfectly plumb and square.
 - If necessary, insert wood or composite shims under or behind the frame to achieve perfect alignment.
5. For enhanced stability, install horizontal blocking in the wall cavity — three blocks per side — aligned with the frame's mounting points.

Important: The frame must be perfectly level and plumb. Misalignment will cause the door to bind or close improperly.

Step 6: Mark and Prepare Mounting Points

1. With the frame positioned, mark the bolt hole locations on the studs through the mounting tabs.
2. For doors with sidelights, mark where the mounting tabs contact the wall.
3. If necessary, cut back drywall behind the tabs to allow for a flush installation and proper casing fit later.
4. Pre-drill pilot holes to prevent stud splitting when inserting bolts.

Step 7: Secure the Jamb

1. Use 5" structural bolts through each mounting tab into the framing.
2. At this stage, only secure the top bolt on each side.
 - This allows minor adjustment during door alignment before final tightening.
3. Verify the frame remains plumb and square after securing the top bolts.

Do Not Fully Tighten All Bolts Yet. Final alignment will be completed after hanging the door slab.

Step 8: Hang the Door Slab

1. Apply a light coat of silicone spray lubricant to the hinges on both the jamb and door.
2. With at least two or three installers, lift the door slab into position.
3. Align hinge barrels and pins, hanging the door in a fully open (90° or greater) position for easiest alignment.
4. Use air shims or padded wedges beneath the door to fine-tune positioning.
5. Slowly close the door to test fit and clearance.
6. If gaps or misalignment occur, gently shift the jamb laterally before securing remaining bolts.
7. Once the door operates smoothly and closes flush against the weatherstripping, tighten all bolts firmly.

Step 9: Troubleshooting Alignment

If the door does not close properly:

1. Remove lower bolts and slightly adjust the jamb.
2. Keep only the top bolts installed to allow controlled movement.
3. Rehang and test until the door closes evenly with consistent reveals.
4. Once alignment is perfect, secure all bolts.

Note: Multiple adjustments may be necessary to achieve optimal fit. Take your time — precise alignment ensures decades of performance.

Step 10: Install Hardware

1. Attach handles, locksets, and any additional accessories per manufacturer instructions.

2. Some handle styles may require drilling additional holes.
3. After installation, test the lock and latch.
 - Initial closing resistance is normal due to new weatherstripping compression.
 - Operation will ease after several weeks of use.

Final Recommendations

- Use only non-abrasive cleaners and soft cloths to maintain your finish.
- Keep hinges lubricated with silicone spray for smooth operation.
- Do not overtighten hardware or bolts after installation is complete.
- For best results, professional installation by an experienced iron door specialist is strongly recommended.

Ash & Ivy Iron Doors

Timeless Craftsmanship. Uncompromising Quality.

For additional support, touch-up kits, or professional installation referrals, please contact support@ashandivydoors.com.