HEIZEY
汉哲门窗

CASEMENT WINDOW

Installation Steps

01 Goods Arrival and Unpacking Preparation

Upon receipt of the complete window product,place ithorizontallyon the ground platform and open the packaging to inspect:

1.Whether the frame has any dents or damage;
2.Whether any accessories are missing or omitted;
3.Whether the overall frame size matches the required dimensions.

Note: Avoid using sharp metal objects when opening thepackage toprevent damage to the surface coating of the entire frame.

02 Re-measurement

Use standard measuring tools (tape measure, ruler, etc.) tore-measure the opening and verify the measurement results against the drawing data to confirm consistency.

Note: If the data matches, proceed with the normal construction process. If not, stop construction immediately, identify the cause, and resolve the issue before continuing.

03 Cleaning of the Opening

Use professional cleaning tools to clean the opening, ensuring the surface is free of foreign material; any remaining sand or dust must be less than 8 mesh in size.

04 Horizontal Alignment of the Window Frame in the Opening

Use airbags to adjust the horizontal and vertical positions of the door and window. The steps are as follows:

1.Place the airbag at the bottom of the door and window frame, ensuring firm and flat contact;

2.Inflate the airbag with a pump, paying attention not to overinflate and cause rupture;

3.Once inflated to a certain extent, begin adjusting the position of the door or window frame—control the airbag volume to adjust both horizontal and vertical alignment;

4.Use a level or measuring tool to check accuracy;

5.After adjustment, deflate the airbag slightly to allow a gap between frame and wall for subsequent fixing and adjustment;

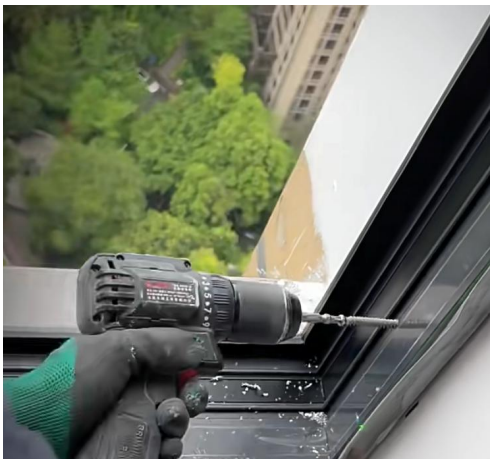
6. Once installation is complete, fully deflate and neatly collect the airbag for future use.

05 Securing the Frame with Screws

Use professional screws (or expansion bolts) to securely fix the frame at the opening:

1.Professional screw method:
① Precisely determine the screw position and drill holes with an electric drill;
② Place the screw into the pre-drilled hole and tighten with a wrench or screwdriver until it is firmly secured to the window/door frame.

2. Expansion bolt method:
① Drill pre-set holes on the frame with a drilling machine;
② Insert the expansion bolt into the hole without immediately tightening;
③ Gradually tighten the bolt with a wrench or screwdriver until it expands and fits tightly against the hole wall;
④ Continue tightening until fully secured.



06 Foam Sealant

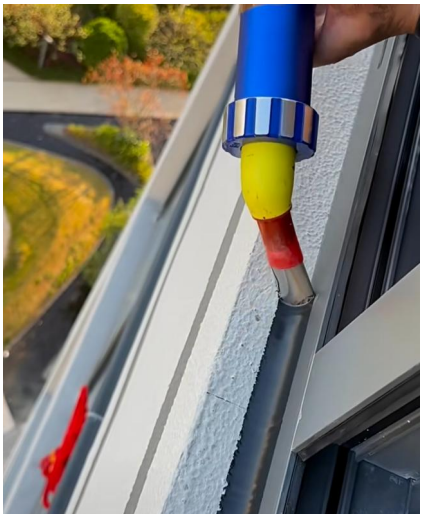
Finishing Use foam sealant to fill the gap between frame and opening:

1.Before the foam solidifies, gently press it into the gap by hand;
2.Before curing, trim excess foam with a sharp bladefor a neat appearance;
3. Retain a sealant thickness of about 2mm, and gently wipe the sealed area with a damp cloth or tissue to increase adhesion;
4.Smoothly press along the foamed section until the surface is even and flawless.

07 Exterior Wall Sealant Application

Apply silicone or polyurethane sealant to the exterior wall frame as follows:

1.Cut sealant strips according to measured gap size, keeping them straight;
2.Wipe the window frame surface with alcohol or other cleaners to remove dust and debris;
3.Place the sealant strip in the gap between the wall and frame, hold it in position, and trim excess with scissors;
4.Evenly apply sealant to the strip–the thickness should be appropriate, not too thick or thin;
5.Fold and press the strip firmly onto the window frame, working from both sides;
6.Continue along the frame until fully sealed;
7. Clean up any excess sealant for a neat finish.



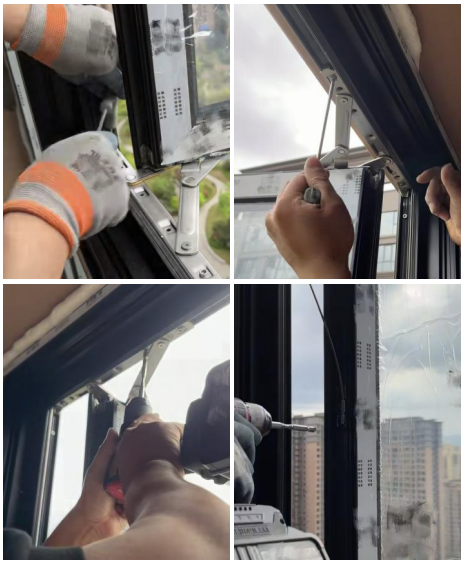
08 Glass Installation and Fixing

Install the glass into the assembled window with attention to the following:

1.Place spacer blocks made of corrosion-resistant, high-strength materials such as nylon or PVC at the base of the glass to prevent direct contact with the frame, evenly distributing the glass weight;
2.Support blocks should be at least 50mm long, with thickness according to groove gap design, preferably 5-7mm, and conform to the minimum edge clearance of insulating glass requirements; location blocks should be at least 25mm long;
3.Position the glass pads to straddle any thermal barriers and rest on both sides of the aluminum profiles; if there is a thermal barrier protrusion, design the block to avoid it and prevent direct force on the thermal barrier;
4. The number of pads can reference screw spacing, but avoid blocking drainage holes; to properly support glass weight, place side blocks so that the window or glass center of gravity is either evenly distributed or positioned over the hardware bearing side (hinge or pivot).

09 Installation of Window Sash

When installing the window sash, first reinforce the friction stay with screws, then proceed to install the operable sash.



10 Adjustment of Window Sash

Check whether the window sash can open/close smoothly and whether there are any abnormal noises.

11 Installation of Locks and Hardware

Install hardware accessories, such as handles and locks, on the window sash. During installation, pay attention to corresponding slots to avoid installing components in the wrong direction.

12 Adjustment of Locks

Inspect and evaluate all window locks:

1. Check for surface defects;
2. Verify proper installation;
3. Confirm normal closing;
4. Confirm normal opening.

13 Final Self-Inspection

Conduct another inspection of the entire window:

1. Check for aesthetic appearance;
2. Ensure detailed adjustments are in place;
3. Confirm the frame is securely fixed;
4. Ensure smooth handle operation;
5. Confirm the locks close/open normally.

14 Site Cleanup

After construction is complete, carry out site cleaning.