



WRS Basic Installation Guide

Aluminium Sliding Doors

This guide covers the basic installation of WRS Aluminium Sliding Doors, including assembly of the outer frame and panel installation.

Required Tools

- **Spirit Level:** Essential for ensuring the rough opening, sill, and frame are plumb and level.
- **Tape Measure:** Used for measuring the rough opening and ensuring diagonal measurements are equal for a square frame.
- **Power Drill & Driver:** Necessary for pre-drilling holes and securing frame screws.
- **Screwdrivers (Phillips & Flathead):** Required for corner assembly and final roller adjustments.
- **Hammer or Rubber Mallet:** For making delicate adjustments to the frame or tapping packers into place.

Installation Materials

- **Fasteners:** Galvanized screws for securing the frame to the building structure.
- **Plastic Packers:** Used behind fixing points and under the sill to level and support the frame.
- **Silicone / Sika Sealant:** For sealing the back of the sill to your floor ensuring the frame is weatherproof and watertight.

Safety & Assistance

- **A "Helping Buddy":** Lifting the assembled outer frame and heavy door panels safely requires at least two people.
- **PPE:** Safety glasses and gloves are recommended when handling glass and power tools.

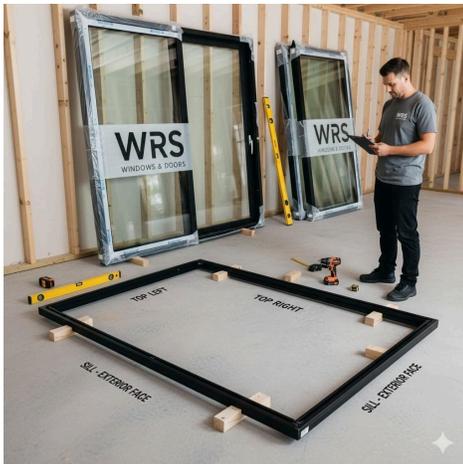
A. Pre-Installation Preparation

1. **Unpack and Inspect:** Carefully unwrap all components. Check for any transit damage and familiarise yourself with the labeled parts (Top Left, Top Right, etc.).
2. **Measure Rough Opening:** Ensure your wall opening is level, plumb, and square. The rough opening should be approximately 10 to 20mm wider and 20 to 30mm higher than your door frame for easier installation and adjustment.



B. Outer Frame Assembly (Unassembled Frames)

1. **Lay Out Frame:** Lay all outer frame components (head, sill, jambs) flat on a clean, level surface. Match the labeled corners (e.g., Top Left, Top Right).



2. **Screw Corners:** Insert 2-3 screws (pre-located in the screw flutes) into each corner to securely join the frame sections. Ensure all joints are tight and flush.



C. Outer Frame Installation

1. **Prepare Sill:** Install appropriate sill flashing or waterproofing if required to the base of the rough opening. Place plastic packers on the sill to ensure a level and supported base.



2. **Position Frame:** With assistance, lift the assembled outer frame into the rough opening. Ensure the exterior face (with drainage holes) is oriented correctly.
3. **Level & Plumb:** Use a spirit level to ensure the frame is perfectly level (sill), plumb (jamb), and square (diagonal measurements are equal). Use plastic packers behind fixing points as needed.



4. **Secure Frame:** Fix the frame to the building structure using appropriate fasteners (e.g., galvanised screws). Start 100-150mm from corners, then at maximum 450mm centres along the jambs. Avoid fixing too tightly at the head.

D. Panel Installation

1. **Remove Thresholds:** Unclip the top and bottom thresholds from the head and sill. This allows for easy lifting of the panels.
2. **Lift Fixed Panel:** Starting with the fixed panel, carefully lift and position it into the outer frame. Lift the panels in from the inside of the opening by leaning the panel on a 30 degree pitch and lifting the top first into the channel and then swinging the bottom in to place and lowering into the sill channel.

E. Final Adjustments & Troubleshooting

1. **Level Panels with Roller Adjustment:** Once the door panels are lifted into place, they must be leveled to ensure smooth operation.
2. **Level Panels with Roller Adjustment:** Once the door panels are lifted into place, they must be leveled to ensure smooth operation.
3. **Locate Adjustment Screws:** Find the adjustment holes located on the bottom side of each panel.
4. **Adjust Height:** Use a screwdriver to turn the internal roller screws, raising or lowering each side until the panel sits perfectly level and glides easily.



2. Align Lock and Striker

If the door does not lock smoothly, the vertical alignment is likely off.

3. **Wheel Adjustment:** Adjust the bottom rollers up or down to bring the lock latch into alignment with the striker.
4. **Striker Adjustment:** If further refinement is needed, the lock striker on the door jamb can also be adjusted up or down to accommodate the latch.





Disclaimer

The information provided in this **WRS Basic Installation Guide** is intended for general informational purposes only. By proceeding with the installation of **WRS Aluminium Sliding Doors**, you acknowledge and agree to the following:

1. Professional Installation Recommended

While this guide outlines the basic assembly and installation process, **WRS Windows & Doors** strongly recommends that all products be installed by a qualified licensed builder or professional installer. Improper installation may result in poor product performance, property damage, or personal injury.

2. Safety and Assistance

- **Two-Person Lift:** Due to the significant weight of the assembled outer frame and glass door panels, a **"Helping Buddy"** is required. Never attempt to lift or position these components alone.
- **Personal Protective Equipment (PPE):** Users should always wear appropriate **PPE**, including safety glasses and gloves, particularly when handling glass or operating power tools.

3. Compliance and Structural Integrity

- **Local Codes:** It is the responsibility of the installer to ensure that the installation complies with all local building codes, Australian Standards, and waterproofing requirements.
- **Building Structure:** Ensure the **rough opening** is structurally sound, level, and plumb before beginning. WRS is not responsible for damage caused by inadequate structural support or incorrect measurements.

4. Tools and Materials

Failure to use the **required tools** (such as a spirit level, power drill, and specialized sealants) or failure to use correct **fasteners and packers** may compromise the weatherproofing and operational integrity of the door system.

5. Limitation of Liability

Brax Group SYD Pty Ltd and **WRS Windows & Doors** shall not be held liable for any incidental or consequential damages, injuries, or product failures resulting from:

- Misinterpretation of these instructions.
- Modification of the product components.
- Failure to follow specific safety warnings (e.g., over-tightening fasteners at the head)