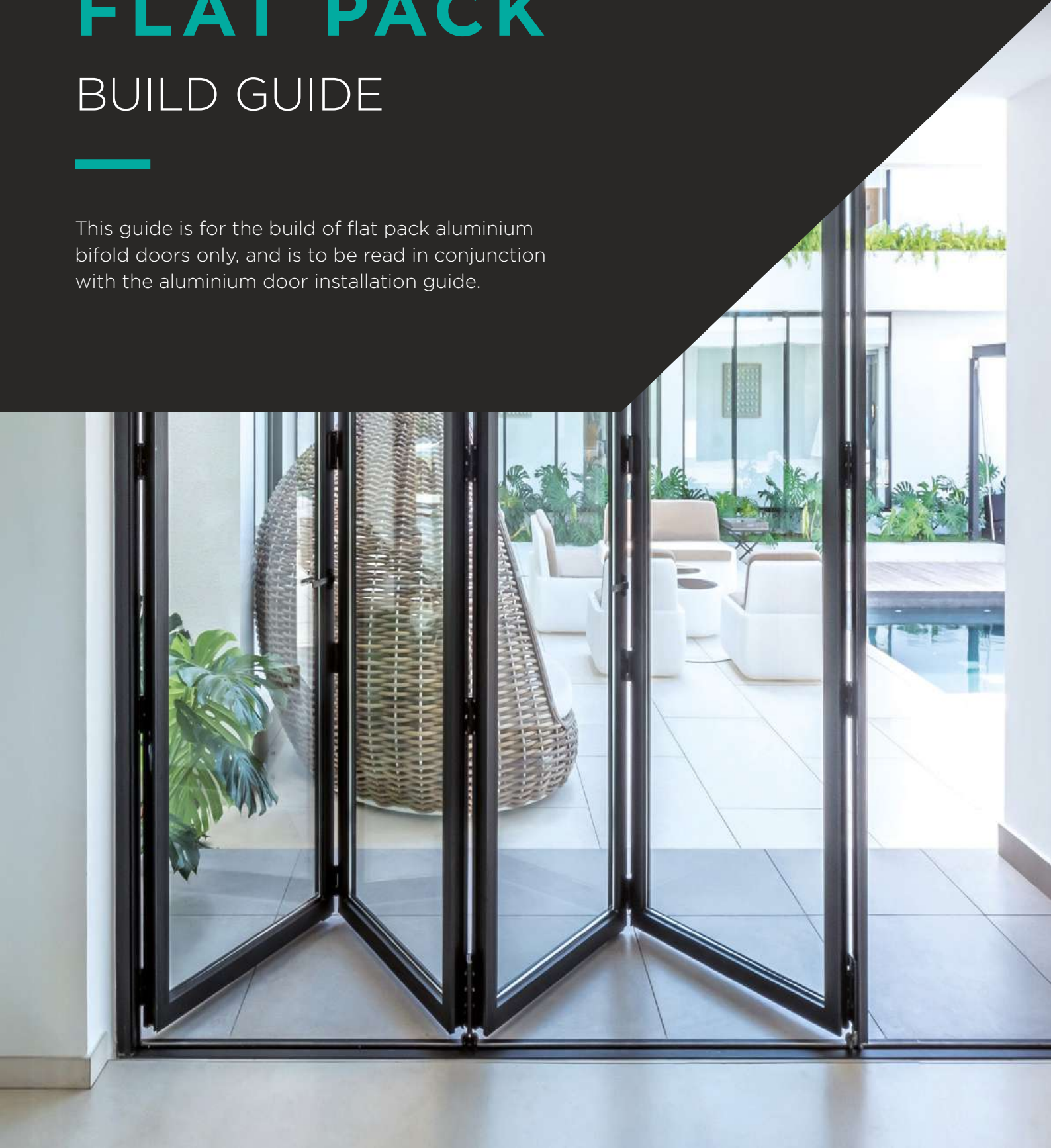
QUAD

FLAT PACK

BUILD GUIDE

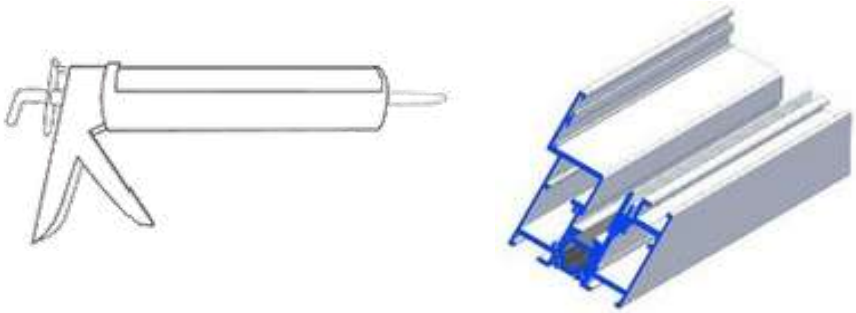
This guide is for the build of flat pack aluminium bifold doors only, and is to be read in conjunction with the aluminium door installation guide.



FRAME ASSEMBLY AND INSTALLATION

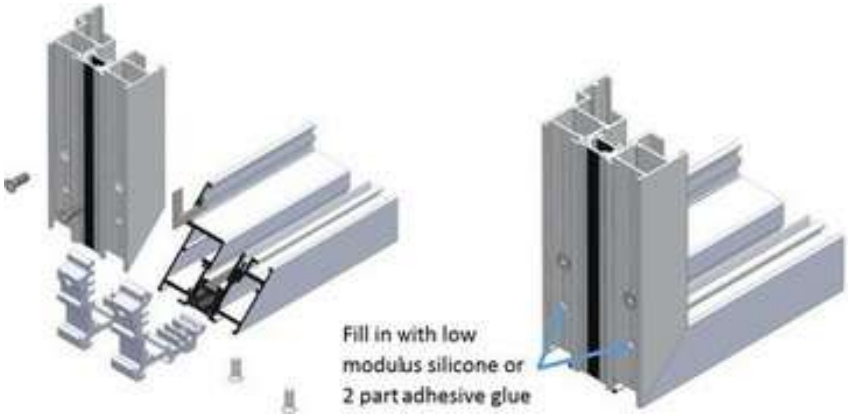
Outer frame assembly

• Apply low modulus silicone at all outer frame connection joints and between the frame components.

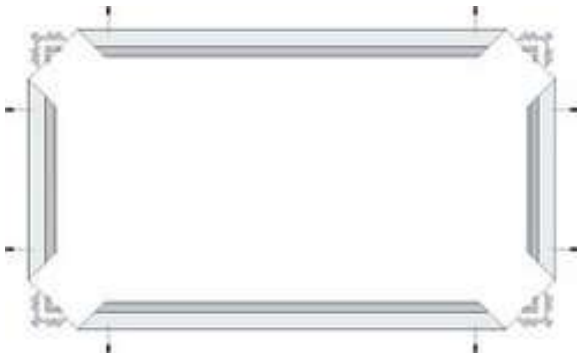


TOOL REQUIREMENT: - 4mm allen key is required.

• Connect the outer frame corners using outer cleats and M6x16 machine screws as shown below.
• Align the frame by adjusting the screws, if necessary. Any silicone excess should be wiped off at this stage.

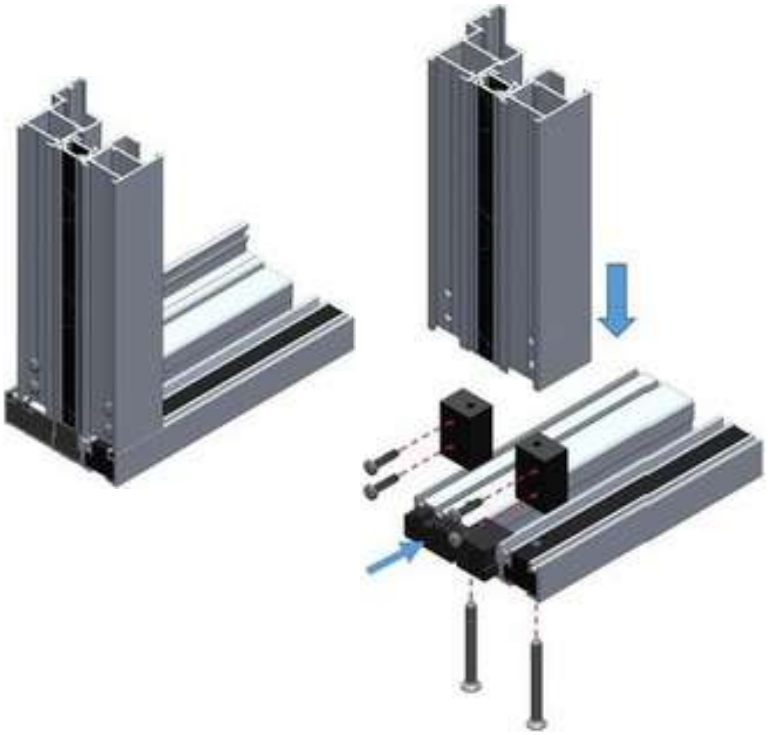


• Repeat same process to all four outer frame corners.



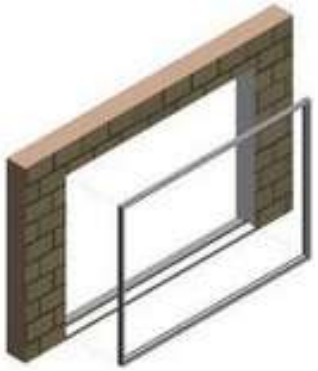
Low threshold assembly

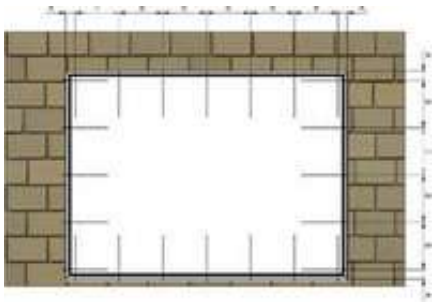
- Apply low modulus silicone to all frame connection joints and between the frame components.
- Use low threshold fixing kit to join the corner as shown below.
- Align the frame by adjusting the screws, if necessary.
- Any silicone excess should be wiped off at this stage.
- Ensure no water can escape from the low threshold past the jambs.



Outer frame installation

- Insert the frame into prepared structural opening and pack as necessary to ensure that the frame is held plumb and square inside the opening.
- If cill installed, run a silicone bead along the subsill rebate to ensure weather tight joint and seal the ends
- Pack out all fixing points to ensure tight and supported fixings.
- Secure frame using suitable fixing screws and plugs.
- A = Anchor distance from corner of frame approximately 150mm.
  B = Anchor spacing generally at maximum 500 mm.
- Ensure the top and bottom frame remain plumb and square over the complete length.

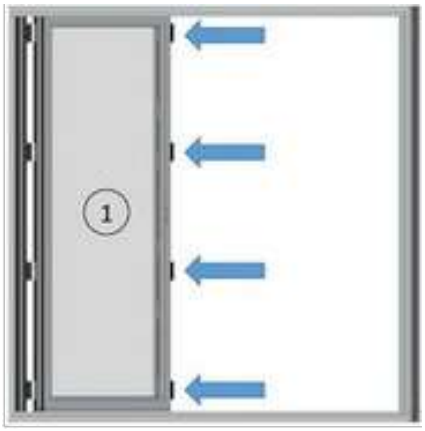




DOOR LEAF INSTALLATION

General installation recommendations

- Before installing any door panels check for all the components. Make sure there is no missing components.
- Look for the panel glass beads to determine the interior side.
- Look for the panel drainage holes to determine the bottom side.

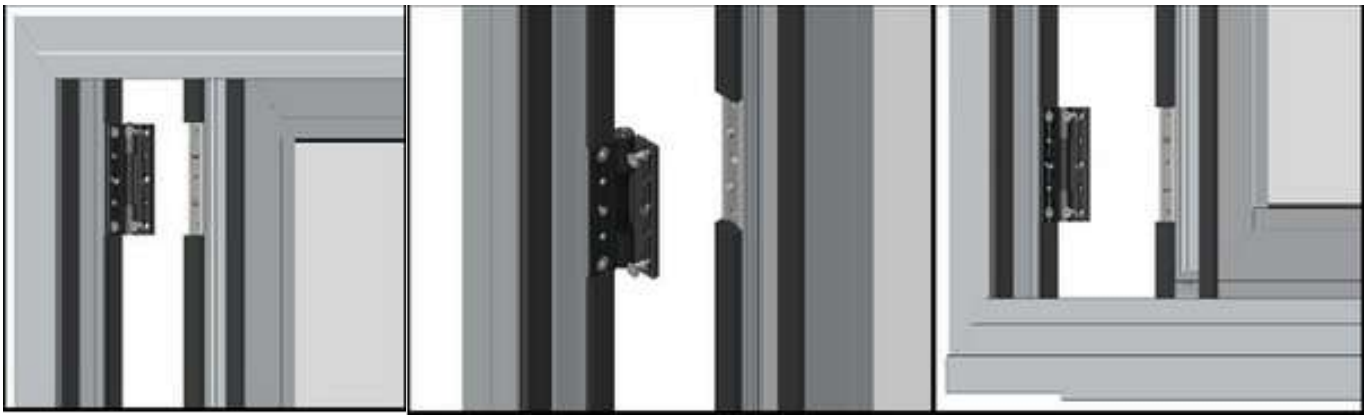


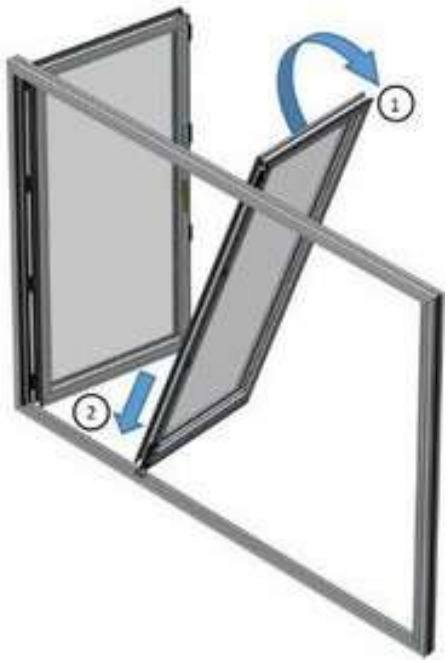
Panel No.1 Installation

- Align the side of panel No.1 that has clamping plates on with hinges attached to outer frame
- Locate the hinge leaf over the clamping plate and secure with M5x10mm machine screws using top and bottom countersunk hinge holes.

TOOL REQUIREMENT: - 3mm Allen key is required.

⚠ **NOTE:** Do not use 4.2x25mm self drilling screws at this point.

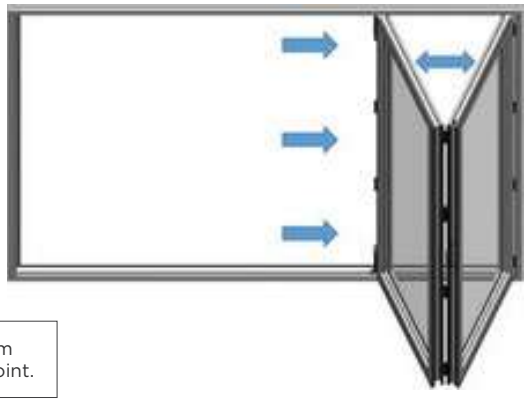




Panel No.2 Installation

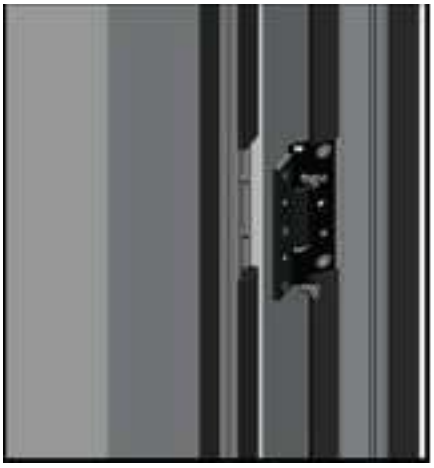
- Slightly lean panel No.2 and fit the bottom roller guides into middle channel of the bottom track.
- Align the top guides of panel No.2 and fit them into middle channel at the top.
- Slide panel No.2 to align clamping plates with hinges attached to the first panel.
- Keep both doors on an angle for better access to hinges.

• Locate the hinge leaf over the fixing plate and secure with M5x10mm machine screws at top and bottom holes.

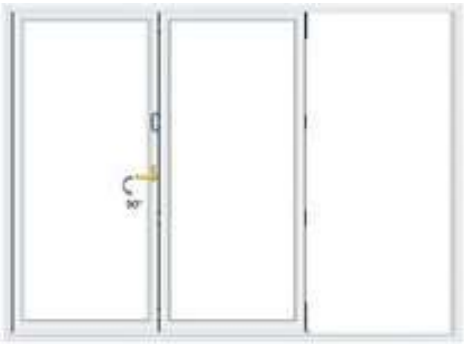


TOOL REQUIREMENT: - 3mm Allen key is required.

NOTE: Do not use 4.2x25mm self drilling screws at this point.



Panel No.3 Installation



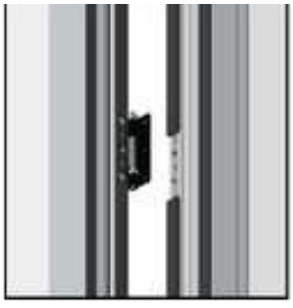
• Lock first two panel doors together before installing door No.3.

• Align panel No.3 clamping plates with hinges attached to second panel

• Locate the hinge leaf over the fixing plate and secure with M5x10mm machine screws at top and bottom position.

TOOL REQUIREMENT: - 3mm Allen key is required.

NOTE: Do not use 4.2x25mm self drilling screws at this point.



Sliding post installation

Only if a building a corner bifold.

- Open the sliding post attached to the door panel as shown below.
- Slightly lean the panel with sliding post and fit the bottom roller guides into middle channel of the bottom track.
- Align the top guides of panel with sliding post and fit them into middle channel at the top.
- Slide the panel to align clamping plates with hinges attached to the first panel.
- Keep both doors on an angle for better access to hinges.
- Locate the hinge leaf over the fixing plate and secure with M5x10mm machine screws at top and bottom holes.

TOOL REQUIREMENT:
3mm Allen key is required.

⚠ **NOTE:** Do not use 4.2x25mm self drilling screws at this point.

Now your frame and doors are built up,
you can refer to the installation guide

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