

Thank you for choosing Mesa Vent louvre windows. The following guide is provided as advisory information on the installation of our louvre window range.

All have been pre-tested at our factory to ensure proper operation, however if you have any issues please contact our head office as soon as possible.

Transport/Lifting

- Units will arrive packaged in timber crates. Please take care when moving/opening as products may contain glass panels.
- To avoid any damage, please follow the instructions on the packaging where necessary.
- Louvres windows must be transported with the louvre blades in the CLOSED position.
- Louvres must be carried vertically, as below:



- If transporting via mobile vacuum suction unit, for units <80kg at least 4 suction plates must be attached. For units >80kg, additional suction plates will be required. Suction plates must be attached on separate blades, with 2 suction plates on each blade. Please take care to align the system as centrally as possible to avoid any uneven loading, which may cause damage.
- Mesa Vent do not accept any liability for damage caused by the use of vacuum suction units. Please check the instructions and operating procedures of your individual vacuum units and use only with trained and experienced personnel.

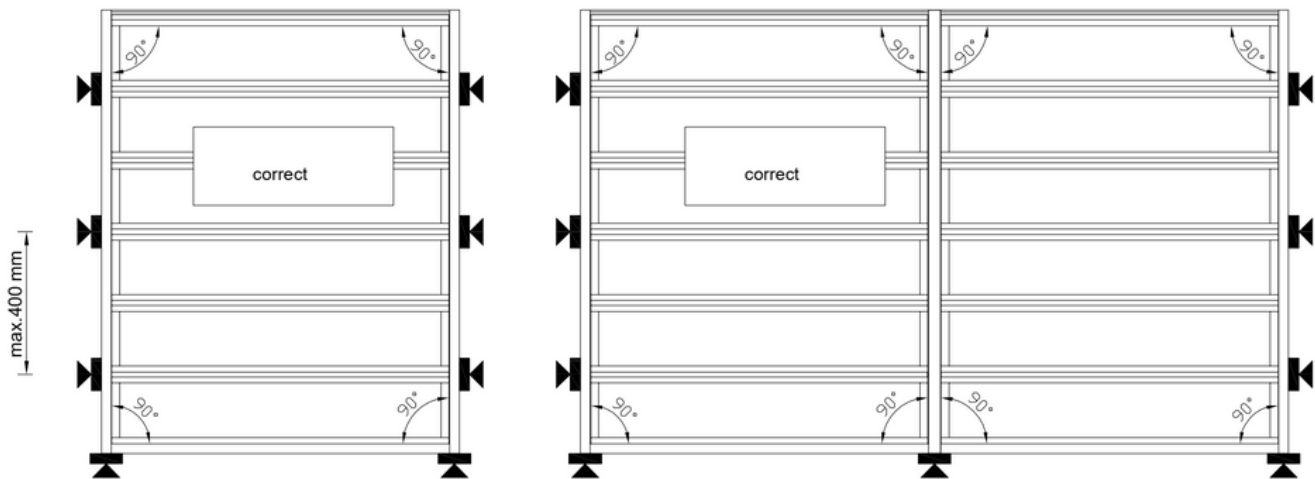


Loose blades

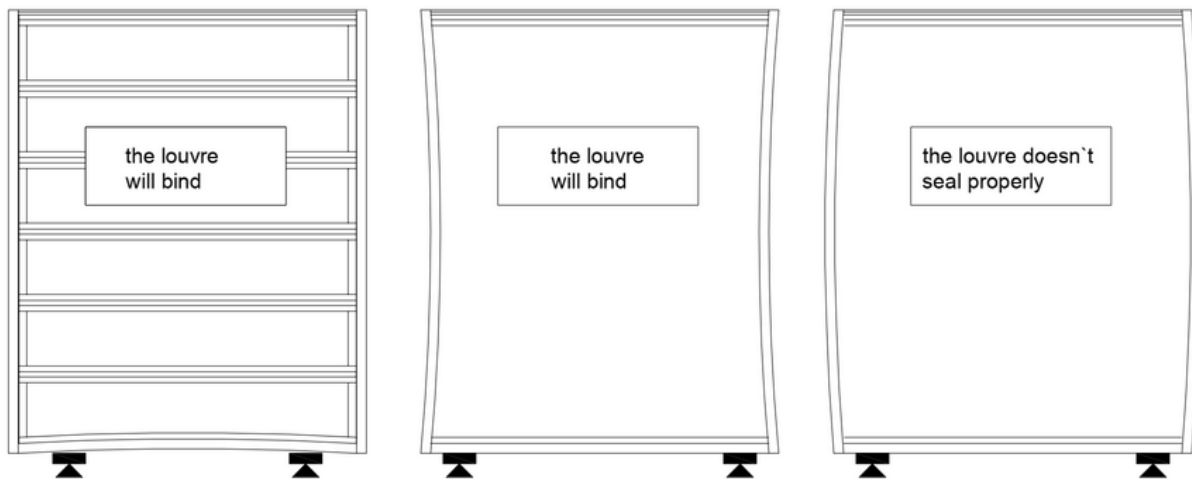
- To facilitate manual handling and transport, any single item with a weight over 80kg will be provided with loose blades for installation on site (by others).
- Please refer to our "Installation of louvre blades" guide available on the website for further information.

Installation

- All elements (framing/blades) must be precisely aligned, horizontally and vertically, and fixed with glazing blocks to achieve perfect tightness and function.
- It is important that glazing blocks are fixed in the correct points:
 - The blocks for the top and bottom frame profile may only be placed under the area of the side frame.
 - In the event of multi-row elements, blocks must be fixed under the middle mullion.
 - Particular attention must be paid to these installation instructions when planning and designing curtain walling constructions, as in this case the bottom transom must be dimensioned accordingly.



Examples of incorrect installation

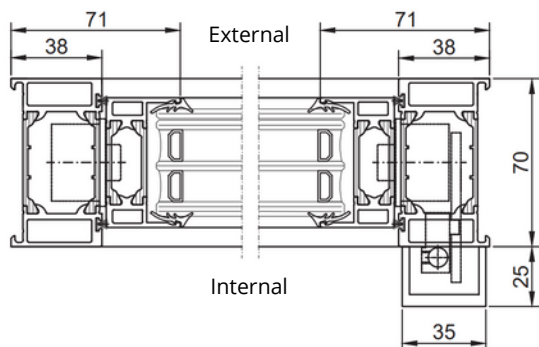


- Incorrect installation can be identified by non-uniform joints between the blades and the side frame profiles.
- If screw-fixing through the vertical frame profiles, only use the pre-drilled holes provided by the manufacturer. The louvre frames contain mechanical parts which may be damaged by attempts to create new fixing holes.
- Anchoring fins can be screwed onto the outsides of the frame profiles for keyed connections. The anchors are fixed by additional screw-fixing with the frame.
- The blades may only be actuated with the motor(s) provided.
- Please ensure that sufficient clearance is achieved between fully opened louvre blades and any surrounding obstacles.
- Forcibly pressing on the blades is not allowed, as this may damage the pivot bearing and mechanics.

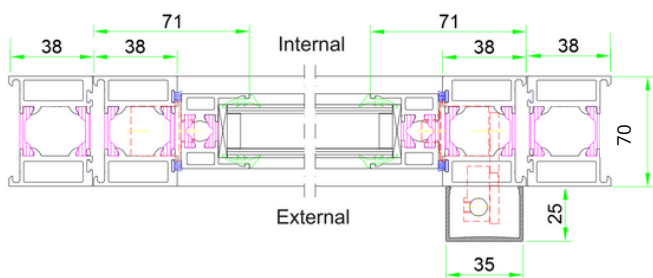
Framing Options

The framing details below are generic. Please refer to your project specific drawings for details of exact fixing types and dimensions. Please contact head office with any queries.

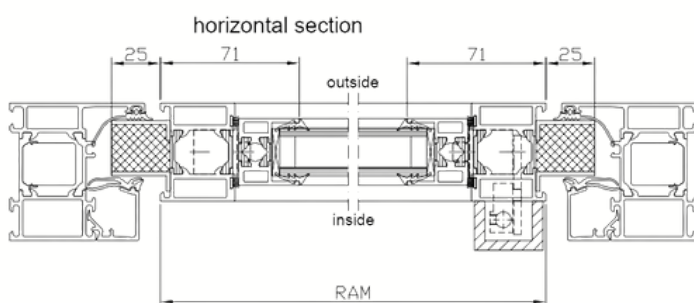
Standard framing



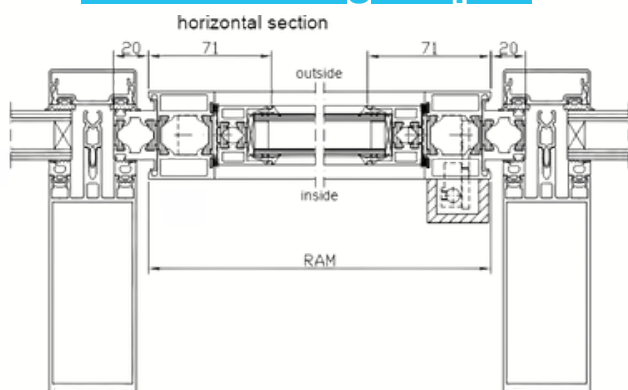
Extended framing (allowing space for internal finish)



Glazing Adapter



Curtain Walling Adapter



Vertical Section (no motor shown)

